

Table S2. List of all the studies used for the analysis carried out in the present work (1578 studies). Note: NA (Not Applicable) shows studies that did not include keywords and doi. Na N. also indicates Not available authors.

Code	Authors	Year	Document title	Keywords	Total citation	Source	Doi
1430	El-Ashry M; Wanless H	1968	Photo interpretation of shoreline changes between Capes Hatteras and Fear North Carolina	NA	16	Marine Geology	10.1016/0025-3227(68)90001-7
1429	Herbich J; Hales Z	1971	Remote sensing techniques used in determining changes in coast-lines	NA	1	Proceedings of The Annual offshore Technology Conference	10.4043/1448-ms
1428	Partheniades E; Purpura J	1972	Coastline changes near a tidal inlet	NA	3	Proc. 13th Coastal Engng. Conf. (Vancouver)	NA
1425	Gatto L	1978	Shoreline changes along the outer shore of cape cod from long point to Monomoy point	NA	0	Crrel Rep	NA
1426	Hayden B; Dolan R; Felder W	1978	Spatial and temporal analyses of shoreline variations	NA	13	Coastal Engineering	10.1016/0378-3839(78)90031-5
1427	Dolan R; Hayden B; Heywood J	1978	Analysis of coastal erosion and storm surge hazards	NA	14	Coastal Engineering	10.1016/0378-3839(78)90004-2
1424	Leatherman S	1979	Migration of assateague island maryland by inlet and overwash processes	NA	109	Geology	10.1130/0091-7613(1979)7<104:MOAIMB>2.0.CO;2
1453	Dolan R; Hayden B; Rea C; Heywood J	1979	Shoreline erosion rates along the middle atlantic coast of the United States	NA	37	Geology	10.1130/0091-7613(1979)7<602:SERATM>2.0.CO;2

1454	Krabill W	1979	Application of the airborne oceanographic Lidar to shoreline mapping	NA	2	Proceedings American Congress on Surveying and Mapping, 39th Annual Meeting, March 18 - March 24, 1979, Washington D.C.	NA
1423	Dolan R; Hayden B; May P; May S	1980	Reliability of shoreline change measurements from aerial photographs	NA	170	Shore and Beach	NA
1452	Everts C; Wilson D	1981	Base map analysis of coastal changes using aerial photography shoreline change	NA	0	U.S. Army Coastal Engineering Research Center, Technical Paper	NA
1451	Aubrey D; Goud M	1983	Coastal sediment transport popponeset beach ma	NA	0		10.1575/1912/6924
1450	Jantunen H; Raitala J	1984	Locating shoreline changes in the porttipahta Finland water reservoir by using multitemporal Landsat data	NA	12	Photogrammetria	10.1016/0031-8663(84)90009-7
1418	Garrow H	1985	Quantification of shoreline rhythmicity	NA	0	In: Proc. Int. Nineteenth Coastal Engineering Conf. (Houston, U.S.A.: Sep. 3-7, 1984), B.L. Edge (Ed.)	NA
1419	Prabhakara R P; Natr M; Raju D	1985	Assessment of the role of remote sensing techniques in monitoring shoreline changes: a case study of the Kerala coast	NA	21	International Journal of Remote Sensing	10.1080/01431168508948477

1420	Nayak S; Sahai B	1985	Coastal morphology: a case study of the Gulf of khambhat Cambay	NA	40	International Journal of Remote Sensing	10.1080/01431168508948478
1421	Kana T; Williams M; Stevens D	1985	Managing shoreline changes in the presence of nearshore shoal migration and attachment	NA	13	Coastal Zone: Proceedings of The Symposium on Coastal and Ocean Management	NA
1449	Na N	1985	Aerial photography applications in the study of coastal erosion and pollution 1974 may 1985 citations from oceanic abstracts	NA	0	Na	NA
1447	Na N	1986	Aerial photography applications in the study of coastal erosion and pollution 1974 May 1986 citations from oceanic abstracts	NA	0	Na	NA
1448	Na N	1986	Coast of California storm and tidal waves study southern California coastal photography and beach profile index	NA	0	Na	NA
1417	Mikhaylov V; Gubin V	1988	Mapping the dynamics of landscapes near Belorussian reservoirs from remote sensing imagery	NA	0	Mapping Sciences and Remote Sensing	10.1080/07493878.1988.10641700
1446	Frihy O	1988	Nile delta shoreline changes aerial photographic study of a 28year period	NA	60	Journal of Coastal Research	NA
1413	Luu D	1989	Shoreline changes in Vietnam using remote sensing techniques	NA	0	Digest - International Geoscience and Remote Sensing Symposium (IGARSS)	NA

1414	Foster E; Savage R	1989	Methods of historical shoreline analysis	NA	13	Coastal Zone: Proceedings of The Symposium on Coastal and Ocean Management	NA
1415	Nuriddinov O	1989	Use of remote sensing in the study of the changing shoreline of Sarykamysk lake	NA	1	Mapping Sciences and Remote Sensing	10.1080/07493878.1989.10641746
1416	Eliot I; Clarke D	1989	Temporal and spatial bias in the estimation of shoreline rate of change statistics from beach survey information	Australia; Erosion; Shoreland Management	31	Coastal Management	10.1080/08920758909362081
1445	Quellenec R	1989	The Corine coastal erosion project identification of coastal erosion problems and data base on the littoral environment of eleven European countries	NA	0	Na	NA
1412	Blodget H; Taylor P; Roark J	1990	Landsat MSS monitoring of Nile delta shoreline changes	NA	0	Digest - International Geoscience and Remote Sensing Symposium (IGARSS)	NA
1444	Smith G; Zarillo G	1990	Calculating long term shoreline recession rates using aerial photographic and beach profiling techniques	NA	102	Journal of Coastal Research	NA
1406	Blodget H; Taylor P; Roark J	1991	Shoreline changes along the Rosetta-Nile Promontory: monitoring with satellite observations	NA	69	Marine Geology	10.1016/0025-3227(91)90083-G
1407	Mcbride R; Hiland M; Penland S; Williams S; Byrnes M; Westphal K; Jaffe B; Sallenger J A	1991	Mapping barrier island changes in Louisiana techniques accuracy and results	NA	20	Coastal Sediments '91	NA
1408	Demirpolat S; Tanner W	1991	Keys to high accuracy mapping of shoreline changes	NA	3	Coastal Sediments '91	NA

1409	Morton R	1991	Accurate shoreline mapping past, present and future	NA	62	Coastal Sediments '91	NA
1410	Byrnes M; McBride R; Highland M	1991	Accuracy standards and development of a national shoreline change data base	NA	18	Coastal Sediments '91	NA
1411	Rosenfeld C; Peterson C; Pettit D; Jackson P; Kimerling A	1991	Littoral cell information system for the Pacific northwest USA	NA	2	Coastal Sediments '91; Volume 2	NA
1442	Na N	1991	Technical papers ACSMASPRS annual convention Baltimore 1991 volume 5 photogrammetry and primary data acquisition	NA	0	Technical Papers ACSM-ASPRS Annual Convention, Baltimore, 1991. Volume 5: Photogrammetry and Primary Data Acquisition	NA
1443	Lo C; Rogers R	1991	Quantitative shoreline change determination using a micro-computer based analytical photogrammetric approach	NA	0	Technical Papers ACSM-ASPRS Annual Convention, Baltimore, 1991. Vol. 5: Photogrammetry and Primary Data Acquisition	NA
2208	Blodget H; Taylor P; Roark J	1991	Shoreline changes along the Rosetta Nile Promontory monitoring with satellite observations	NA	60	Marine Geology	10.1016/0025-3227(91)90083-G
2209	Crowell M; Leatherman S; Buckley M	1991	Historical shoreline change error analysis and mapping accuracy	Erosion Mapping; Historical Shoreline Change; Map Accuracy; Erosion Rates	300	Journal of Coastal Research	NA
1405	Hershner C; Posenau J; Smithson J; Kimball S	1992	High resolution shoreline mapping in estuarine environments	NA	0	Proceedings of Spie - The International Society For Optical Engineering	NA

1441	Shoshany M; Degani A	1992	Shoreline detection by digital image processing of aerial photography	NA	51	Journal of Coastal Research	NA
2207	Shoshany M; Degani A	1992	Shoreline detection by digital image processing of aerial photography	Aerial Photography; Image Processing; Shoreline Change	33	Journal of Coastal Research	NA
1403	Madalon J L; Kendall T	1993	Dependence of shoreline change on channel dredge material disposal practices Humboldt Bay, ca: a case study	NA	2	Coastal Zone: Proceedings of The Symposium on Coastal and Ocean Management	NA
1404	Crowell M; Buckley M	1993	Calculating erosion rates using long term data to increase data confidence	NA	5	Coastal Zone: Proceedings of The Symposium on Coastal and Ocean Management	NA
1439	Morton R; Leach M; Paine J; Cardoza M	1993	Monitoring beach changes using GPS-surveying techniques	NA	116	Journal of Coastal Research	NA
1440	Fenster M; Dolan R	1993	Historical shoreline trends along the outer banks North Carolina processes and responses	NA	32	Journal of Coastal Research	NA
1402	Frihy O; Nasr S; El H M; El R M	1994	Remote sensing of beach erosion along the Rosetta promontary northwestern Nile delta Egypt	NA	53	International Journal of Remote Sensing	10.1080/01431169408954197
1436	Thieler E; Danforth W	1994	Historical shoreline mapping i improving techniques and reducing positioning errors	NA	177	Journal of Coastal Research	NA
1437	Thieler E; Danforth W	1994	Historical shoreline mapping ii application of the digital shoreline mapping and analysis systems DSMS/DSAS to shoreline change mapping in Puerto Rico	NA	108	Journal of Coastal Research	NA
1438	Johnston C; Sales J	1994	Using GIS to predict erosion hazard along lake superior	NA	2	Urisa Journal	NA

2205	Thieler E; Danforth W	1994	Historical shoreline mapping i improving techniques and re- ducing positioning errors	Aerial Photography; Cartography; Coastal Erosion; Photogram- metry; Shoreline Change	156	Journal of Coastal Research	NA
2206	Thieler E; Danforth W	1994	Historical shoreline mapping ii application of the digital shore- line mapping and analysis sys- tems DSMS/ DSAS to shoreline change mapping in Puerto Rico	Aerial Photography; Cartography; Coastal Erosion; Geographic Information Systems; Photogrammetry; Shoreline Change	91	Journal of Coastal Research	NA
1400	Fisher J; Overton M	1995	Interpretation of shoreline posi- tion from aerial photographs	NA	15	Proceedings of The Coastal Engineer- ing Conference	10.1061/9780784400890.145
1401	Chen A; Chen C; Chen K	1995	Investigation of shoreline change and migration along Waisandingzou barrier island central western Taiwan	NA	3	International Geo- science and Re- mote Sensing Sym- posium (IGARSS)	NA
1433	Thieler E; Rodriguez R; Carlo M	1995	Beach erosion and coastal development at rincon Puerto Rico	NA	5	Shore & Beach	NA
1434	Williams J R; Ferrigno J; Swithinbank C; Lucchitta B; Seekins B	1995	Coastal change and glaciological maps of Antarctica	NA	25	Annals of Glaciology	10.3189/s0260305500015950
1435	Uda T; Yoshida T; Nishijima T; Fujikawa Y	1995	Beach changes around former river mouths associated with the construction of a flood way of the Yasu river in lake biwa	NA	0	Transactions - Japanese Geomorphological Union	NA
1398	Shoshany M; Golik A; Degani A; Lavee H; Gvirtzman G	1996	New evidence for sand transport direction along the coastline of Israel	Aerial Photography; Coastline Change; Image Processing	28	Journal of Coastal Research	NA
1399	Daniels R; Daniels R	1996	An innovative method of model integration to forecast spatial patterns of shoreline change: A case study of Nags head North Carolina	Climate Change; Coastal Zone Management; Model Integration; Sea Level Rise; Shoreline Mapping	4	Professional Geographer	10.1111/j.0033- 0124.1996.00195.x

2216	Wemmelmann E; Wiegardt S	1996	A system for monitoring shoreline change with GIS sunken meadow spit Wellfleet Bay wildlife sanctuary Cape Cod Massachusetts	NA	0	Proceedings of The Thirtieth Meeting of The Geoscience Information Society: Crossing The Bridge to The Future: Managing Geoscience Information In The Next Decade	NA
1393	Davidson M; Huntley D; Holman R; George K	1997	Evaluation of large-scale km intertidal beach morphology on a macrotidal beach using video images	NA	33	Coastal Dynamics - Proceedings of The International Conference	NA
1394	Kaminsky G; Ruggiero P; Gelfenbaum G; Peterson C	1997	Long term coastal evolution and regional dynamics of a us Pacific northwest littoral cell	NA	10	Coastal Dynamics - Proceedings of The International Conference	NA
1395	Jiménez J; Sánchez-Arcilla A; Bou J; Ortiz M	1997	Analysing short term shoreline changes along the ebro delta Spain using aerial photographs	Aerial Photography; Coastal Erosion; Ebro Delta; Shoreline Changes	48	Journal of Coastal Research	NA
1396	Mcbride R; Byrnes M	1997	Regional variations in shore response along barrier island systems of the Mississippi river delta plain historical change and future prediction	Barrier Island Evolution; Barrier Shorelines; Coastal Erosion; Coastal Restoration; Geomorphic Response; Gulf of Mexico; Louisiana; Mississippi River Delta	50	Journal of Coastal Research	NA

1397	Overton M; Fisher J	1997	Shoreline analysis using digital photogrammetry	NA	9	Proceedings of The Coastal Engineering Conference	10.1061/9780784402429.289
1384	Martinez-Benjamin J; Medeiros C; Chic O; Bezerra M; Redondo J	1998	Incidence of SAR images on the study of ne Brazilian coast and shelf waters	Coastal Dynamics and Morphology; Remote Sensing; SAR Images	1	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.332726
1385	Allison M	1998	Historical changes in the gangesbrahmaputra delta front	Bangladesh; Coastal Subsidence; Deltaic Sedimentation; Ganges-Brahmaputra Delta; India; Shoreline Change	135	Journal of Coastal Research	NA
1386	Gorman L; Morang A; Larson R	1998	Monitoring the coastal environment part IV mapping shoreline changes and bathymetric analysis	Bathymetric Mapping; Cartographic Software; Depth of Closure; Geospatial Methods; Grid Models; Shoreline Change; Triangular Irregular Network Models	78	Journal of Coastal Research	NA
1387	Shao G; Young D; Porter J; Hayden B	1998	An integration of remote sensing and GIS to examine the responses of shrub thicket distributions to shoreline changes on Virginia barrier islands	Landscape Dynamics; Modelling; Spatial Change; Virginia Coast Reserve	18	Journal of Coastal Research	NA
1388	Sreekala S; Baba M; Muralikrishna M	1998	Shoreline changes of Kerala coast using irs data and aerial photographs	NA	14	Indian Journal of Marine Sciences	NA
1389	Sanderson P; Eliot L; Fuller M	1998	Historical development of a foredune plain at desperate Bay western Australia	Beach Ridges; Coastal Accretion; Shoreline Movement; Tombolo	13	Journal of Coastal Research	NA
1390	Chen L; Rau J	1998	Detection of shoreline changes for tideland areas using multitemporal satellite images	NA	120	International Journal of Remote Sensing	10.1080/014311698214055

1391	Frihy O; Dewidar K; Nasr S; El R M	1998	Change detection of the northeastern Nile delta of Egypt shoreline changes spit evolution margin changes of Manzala lagoon and its islands	NA	60	International Journal of Remote Sensing	10.1080/014311698215054
1392	Ferrigno J; Williams J R; Rosanova C; Lucchitta B; Swithinbank C	1998	Analysis of coastal change in Marie Byrd land and Ellsworth land west Antarctica using Landsat imagery	NA	24	Annals of Glaciology	10.3189/1998aog27-1-33-40
1381	Cetin H; Yilmaz B; Demirkol C	1999	Engineering and environmental effects of coastline changes in Turkey northeastern Mediterranean	Coastline Change; Dams; Engineering Geology; Environmental Geology; Paleogeography; Remote Sensing	17	Environmental and Engineering Geoscience	10.2113/gseegeosci.v.3.315
1382	Williams H	1999	Sandspit erosion following interruption of longshore sediment transport shamrock island Texas	Aerial Photographs; Erosion; GIS; Longshore Sediment Transport; Sand Spit	1	Environmental Geology	10.1007/s002540050372
1383	Barbosa M; Singhroy V; Saint-Jean R	1999	Mapping coastal erosion in southern Paraiba Brazil from Radarsat-1	NA	10	Canadian Journal of Remote Sensing	10.1080/07038992.1999.10874730
2194	Foote M; Horn D	1999	Swash zone velocity and volumetric measurement using a simple video technique	NA	0	Coastal Sediments '99, Vols 1-3	NA
1374	Leatherman S	2000	Beach erosion studies on tropical islands	Beach Erosion; Islands; Tropical Regions	0	Proceedings of 1st International Symposium on Carbonate Sand Beaches - Carbonate Beaches 2000	10.1061/40640(305)18
1376	Moore L	2000	Shoreline mapping techniques	Aerial Photography; Cartography; Coastal Mapping; Erosion Rates; Photogrammetry; Shoreline Change	374	Journal of Coastal Research	NA

1377	Trigo-Teixeira A; Matos J; Pimentel C; Pinheiro J	2000	A map of land at risk on the Portuguese coast	NA	2	Periodicum Biologorum	NA
1378	Marghany M; Hobma T	2000	Operationalization of SAR polarized data for assessment of coastal erosion	Canny Algorithm; Coastal Erosion; Operationalization; Polarised SAR Data	0	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1379	Gangadhara B H; Subrahmanya K	2000	Shoreline changes and evolution of the coastal zone in southern Karnataka India an analysis based on multitemporal data	Coastal Zone; Erosion; Multi-Spectral Data; Multi-Temporal; Remote Sensing	6	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1380	Hapke C; Richmond B	2000	Monitoring beach morphology changes using small format aerial photography and digital softcopy photogrammetry	Beach Evolution; Beach Morphology; Digital Terrain Models; Photogrammetry; Small Format Aerial Photography	45	Environmental Geosciences	10.1046/j.1526-0984.2000.71001.x
1366	Kumada T; KoBayashi A; Masuda K	2001	Study on erosion process of artificial beach	NA	0	Proceedings of The International Conference on offshore Mechanics and Arctic Engineering - Omae	NA

1367	Vidal S; Graham D; Sault M	2001	Detecting shoreline feature change within ports using high resolution satellite imagery noaa's coast and shoreline change analysis program	NA	0	Earth System Monitor	NA
1368	Bo G; Dellepiane S; De L R	2001	Coastline extraction in remotely sensed images by means of texture features analysis	Coastal Monitoring; Fuzzy Logic; Shoreline Detection; Spatial Contextual Information; Texture Features	10	International Geoscience and Remote Sensing Symposium (IGARSS)	NA
1369	Asano T; Khono J; Komaguchi T; Sato T	2001	Analysis on typhoon induced shoreline changes using remote sensed images	NA	1	Proceedings of The International Symposium on Ocean Wave Measurement and Analysis	NA
1370	Hartman J	2001	Combination of technologies improves coastal erosion measurements	NA	0	Civil Engineering	NA
1371	Li R; Liu J; Felus Y	2001	Spatial modeling and analysis for shoreline change detection and coastal erosion monitoring	Change Detection; Coastal GIS; Erosion; Shoreline Mapping	58	Marine Geodesy	10.1080/01490410121502
1372	Bo G; Dellepiane S; Giorgini F; Bartolini M	2001	A detail preserving solution to the problem of shoreline detection in remotely sensed images	Coastal Management; Connectivity Map; Image Analysis; Shoreline Detection; Texture Analysis	0	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.413910
1373	Li H; Yang G	2001	The spatial analysis of erosion and deposition of tidal flat by GIS	Dem; Erosion and Deposition; GIS; Spatial Analysis; Tidal-Flat	0	Dili Xuebao/Acta Geographica Sinica	NA
1349	Skilodimou H; Stefouli M; Bathrellos G	2002	Spatiotemporal analysis of the coastline of Faliro Bay Attica Greece	Aerial Photographs; Coastline Changes; G.I.S.; Greece; Satellite Imagery; Topographical Maps	10	Estudios Geologicos	NA

1350	Adams K; Minor T	2002	Historic shoreline change at lake Tahoe from 1938 to 1998 and its impact on sediment and nutrient loading	Lake Tahoe; Nitrogen; Nutrient Loading; Phosphorus; Shoreline Erosion	6	Journal of Coastal Research	NA
1351	El-Asmar H	2002	Short term coastal changes along Damietta port Said coast northeast of the Nile delta Egypt	Coastline; Damietta; Erosion; Nile Delta; Port Said; Satellite Images	37	Journal of Coastal Research	NA
1352	Stockdon H; Sallenger J A; List J; Holman R	2002	Estimation of shoreline position and change using airborne topographic Lidar data	Beach Processes; Coastal Change; Remote Sensing; Storm Impact Assessment	263	Journal of Coastal Research	NA
1353	Marghany M	2002	TopSAR wave spectra model and coastal erosion detection	Coastal Erosion; Huygens' Principle; Quasi-Linear Transformation; Significant Wave Height; TopSAR; Wave Refraction	5	International Journal of Applied Earth Observation and Geoinformation	NA
1354	Li R; Ma R; Di K	2002	Digital tide coordinated shoreline	Coastal Terrain Model; Shoreline; Tide-Coordinated Shoreline; Water Surface Model	51	Marine Geodesy	10.1080/014904102753516714
1355	Moore L; Griggs G	2002	Long term cliff retreat and erosion hotspots along the central shores of the Monterey Bay national marine sanctuary	Aerial Photography; Cliffs; Coastal Geomorphology; Digital Photogrammetry; Erosion Rates; Geologic Hazards; Monterey Bay	88	Marine Geology	10.1016/S0025-3227(01)00271-7
1356	Trépanier I; Dubois J; Bonn F	2002	Study of the features of coastal evolution using remote sensing HRY and SPOT images application to the Red river delta Vietnam suivi de l'évolution du trait de côte à partir d'images hrv	NA	7	International Journal of Remote Sensing	10.1080/01431160110070348

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1357	Okubo Y; Kaku M; Rokugawa S; Tsu H	2002	Remote sensing survey for coastal environmental change in Asia	NA	0	2002 Seg Annual Meeting	NA
1359	El-Asmar H; White K	2002	Changes in coastal sediment transport processes due to construction of new Damietta harbour Nile delta Egypt	Coastal Erosion; Nile Delta; Remote Sensing; Sedimentology	47	Coastal Engineering	10.1016/S0378-3839(02)00068- 6
1360	De L R; Dellepiane S; Bo G	2002	Texture features analysis for coastline extraction in remotely sensed images	Coastal Management; Fuzzy-Connectivity Map; Image Analysis; Shoreline Detection; Texture Analysis	0	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.454164
1361	Revell D; Marra J	2002	An application of Lidar to multiple scales of shoreline change in Oregon	NA	0	Solutions to Coastal Disasters 2002	10.1061/40605(258)52
1362	Maktav D; Sunar E F; Kabdasli S	2002	Monitoring coastal erosion at the Black sea coasts in Turkey using satellite data a case study at the lake Terkos northwest Istanbul	NA	18	International Journal of Remote Sensing	10.1080/01431160110115979
1363	Rasmussen T; Fraser R; Lemberg D; ReGIS R	2002	Mapping stamp sand dynamics gay Michigan	Coastal Geomorphology; GIS; Keweenaw; Lake Superior; Mill Tailings; Remote Sensing; Sands; Sediment; Stamp	9	Journal of Great Lakes Research	10.1016/S0380-1330(02)70583- 2
1364	Brock J; Wright C; Sallenger A; Krabill W; Swift R	2002	Basis and methods of NASA airborne topographic mapper Lidar surveys for coastal studies	Airborne Laser Altimetry; Lasermapping; Shoreline Change	99	Journal of Coastal Research	NA

1365	Pajak M; Leatherman S	2002	The high water line as shoreline indicator	Assateague Island; Beach Erosion Rates; Duck; High Water Line; Md; Nc; Shoreline Change; Shoreline Indicators	172	Journal of Coastal Research	NA
2186	Revell D; Komar P; Sallenger A	2002	An application of Lidar to analyses of El Nino erosion in the netarts littoral cell Oregon	Coastal Erosion; Large-Scale Coastal Behavior; El Nino; LIDAR; Oregon	37	Journal of Coastal Research	NA
1328	Shaghude Y; Wannäs K; Lundén B	2003	Assessment of shoreline changes in the western side of Zanzibar channel using satellite remote sensing	NA	27	International Journal of Remote Sensing	10.1080/0143116031000102430
1329	Giovannozzi M; Stauble D; Wise R	2003	Innovative shore protection structures at Cape May point New Jersey	NA	1	Coastal Structures 2003 - Proceedings of The Conference	NA
1330	Marghany M	2003	Polaris AirSAR along track interferometry for shoreline change modeling	NA	4	International Geoscience and Remote Sensing Symposium (IGARSS)	NA
1331	Gibeaut J	2003	Lidar mapping a shoreline by laser light	NA	5	Geotimes	NA
1332	Ruggiero P; Kaminsky G; Gelfenbaum G	2003	Linking proxy based and datum based shorelines on a high energy coastline implications for shoreline change analyses	Aerial Photographs; Beach Profiles; Error Analysis; Morphodynamic Variability; Shoreline Change; T-Sheets; Washington State; Wave Runup	60	Journal of Coastal Research	NA
1333	Langley S; Alexander C; Bush D; Jackson C	2003	Modernizing shoreline change analysis in Georgia using topographic survey sheets in a GIS environment	Coastal Management; Erosion Rates; GIS; St. Catherines Island; T-Sheets; Wassaw Island	26	Journal of Coastal Research	NA

1334	Stauble D	2003	The use of shoreline change mapping in coastal engineering project assessment	Beach Nourishment; Coastal Engineering; Hot Spots; Inlet Adjacent Shoreline Change; Narrow-Crested Submerged BreakwaterRS; National Shoreline Management Study; National Shoreline Study 1971; Noaa/Nos-Cerc Cooperative Shoreline Movement Mapping Study	15	Journal of Coastal Research	NA
1335	Fletcher C; Rooney J; Barbee M; Lim S; Richmond B	2003	Mapping shoreline change using digital orthophotogrammetry on maui Hawaii	Coastal Erosion; Coastal Geology; Coastal Management; Photogrammetry; Setbacks; Shoreline Change	160	Journal of Coastal Research	NA
1336	Graham D; Sault M; Bailey J	2003	National ocean service shoreline past present and future	High Water Line; Mean High Water Line; National Geodetic Survey; Photogrammetric Survey Mapping; Planetable; Remote Sensing; Shoreline Manuscripts; Shoreline Standards and Accuracies; Survey of The Coast	42	Journal of Coastal Research	NA

1337	Allan J; Komar P; Priest G	2003	Shoreline variability on the high energy Oregon coast and its usefulness in erosion hazard assessments	Coastal Erosion; Coastal Setbacks; El Niños; Erosion Hazard Assessment; GIS; Historical Shorelines; Hotspot Erosion; Jetties; Oregon; Storm Waves; T-Sheets; Water Levels	34	Journal of Coastal Research	NA
1338	Zuzek P; Nairn R; Thieme S	2003	Spatial and temporal considerations for calculating shoreline change rates in the great lakes basin	Bluff; Dune; End Point Rate; Linear Regression; Recession	74	Journal of Coastal Research	NA
1339	Wozencraft J; Lillycrop W	2003	Shoals airborne coastal mapping past present and future	Aerial Photography; Bathymetry; HypeRSpectral Imagery; LIDAR; Regional Sediment Management; Remote Sensing; Shoals; Shoreline Monitoring; Topography	32	Journal of Coastal Research	NA
1340	Parker B	2003	The difficulties in measuring a consistently defined shoreline the problem of vertical referencing	Hydrodynamic Models; Mean High Water Shoreline; Shoreline Change; Shoreline Indicators; Vertical Datum Transformation	43	Journal of Coastal Research	NA
1341	Moore A; Morris K; Blackwell G; Jones A; Sim P	2003	Using geomorphological rules to classify photogrammetrically derived digital elevation models	NA	11	International Journal of Remote Sensing	10.1080/0143116031000066891
1342	Asano T; Komaguchi T; Khono J; Sato T	2003	Monitoring on long and short term beach deformations using remote sensed images	NA	0	Proceedings of The Coastal Engineering Conference	10.1142/9789812791306_0155

1343	Lippmann T; List J; Kannan S	2003	Shoreline response to storms and the configuration of nearshore sand bars	NA	3	Proceedings of The Coastal Engineering Conference	10.1142/9789812791306_0233
1344	Owens E; Reimer P; Lamarche A; Marchant S; O'Brien D	2003	Prespill shoreline mapping in prince william sound Alaska	NA	8	Environment Canada Arctic and Marine Oil Spill Program Technical Seminar (Amop) Proceedings	NA
1345	Li R; Di K; Ma R	2003	3d shoreline extraction from ikonos satellite imagery	Aerial Triangulation; Rf; Shoreline	68	Marine Geodesy	10.1080/01490410306699
1346	Mercier D; Laffly D	2003	Shorelines progradation in spitsbergen a paraglacial sedimentological respons to contemporary climatic change la progradation des littoraux meubles au spitsberg une réponse sédimentaire paraglaciale au changement climatique contemporain	GIS; Little Ice Age; Paraglacial; Polar Environments; Shoreline	0	Bulletin D'association De Geographes Francais	10.3406/bagf.2003.2345
1347	Valpreda E; Simeoni U	2003	Assessment of coastal erosion susceptibility at the national scale the Italian case	Coastal Dune; Coastal Homogeneous Unit; Geomorphology; GIS; Ionian Sea; Risk Analysis	17	Journal of Coastal Conservation	10.1007/BF02755525
1348	Souza-Filho P; Paradella W	2003	Use of synthetic aperture radar for recognition of coastal geomorphological features land use assessment and shoreline changes in Bragança coast para northern Brazil	Amazon; Coastal Changes; Geomorphology; Mangrove; Remote Sensing	38	Anais Da Academia Brasileira De Ciencias	10.1590/S0001-37652003000300007

2175	Souza-Filho P; Paradella W	2003	Use of synthetic aperture radar for recognition of coastal geomorphological features land use assessment and shoreline changes in Braganca coast para northern Brazil	Geomorphology; Coastal Changes; Remote Sensing; Mangrove; Amazon	35	Anais Da Academia Brasileira De Ciencias	10.1590/S0001-37652003000300007
2182	Souza P; Tozzi H; El-Robrini M	2003	Geomorphology land use and environmental hazards in Ajuruteua macrotidal sandy beach northern Brazil	Coastal Changes; Mangrove Coast; Remote Sensing; Beach Profiles; Beach Erosion	26	Journal of Coastal Research	NA
2183	Brown J; Jorgenson M; Smith O; Lee W	2003	Long term rates of coastal erosion and carbon input Elson lagoon barrow Alaska	NA	34	Permafrost, Vols 1 and 2	NA
1304	Blivi A; Adjoussi P	2004	Moving of the Togo shoreline detected by remote sensing la cinématique du trait de côte au Togo vue par télédétection	Coastal Erosion; Remote Sensing; Togo	3	Geo-Eco-Trop	NA
1305	Ricchetti E; Ricchetti G; Sani R	2004	Environmental geological study of coastal areas of Salento peninsula southern Italy using multitemporal aerial photography and satellite imagery	Aerial Photograph; Coastal Zone; Dem; Remote Sensing; Salento; GIS; Stereo	1	International Geoscience and Remote Sensing Symposium (IGARSS)	NA
1306	Yu Y; Acton S	2004	Automated delineation of coastline from polarimetric SAR imagery	NA	61	International Journal of Remote Sensing	10.1080/0143116032000160444
1307	Ozener H	2004	Detection of shoreline and bathymetric changes	NA	2	Sea Technology	NA
1308	Fromard F; Vega C; Proisy C	2004	Half a century of dynamic coastal change affecting mangrove shorelines of French Guiana a case study based on remote sensing data analyses and field surveys	Amazonian DispeRSal System; Coastal Dynamics; French Guiana; Mangrove Development Model; Mangrove Forest; Remote Sensing	170	Marine Geology	10.1016/j.margeo.2004.04.018

1309	Graniczny M; Janicki T; Kowalski Z; Koszka-Maron D; Jegliński W; Uścińowicz S; Zachowicz J	2004	Recent development of the Vistula river outlet	Delta Front; Digital Terrain Models; GPS Surveys; Gulf of Gdańsk; Recent Delta Development; Remote Sensing; Southern Baltic Sea; Vistula River	7	Polish Geological Institute Special Papers	NA
1310	Alexander P; Holman R	2004	Quantification of nearshore morphology based on video imaging	Beaches; Morphology; NearShore; NearShore Environment; Remote Sensing; Sand Bars	68	Marine Geology	10.1016/j.margeo.2004.04.017
1311	Robertson V W; Whitman D; Zhang K; Leatherman S	2004	Mapping shoreline position using airborne laser altimetry	High Water Line; Historical Shoreline Mapping; LIDAR; Shoreline Change	70	Journal of Coastal Research	NA
1312	Kasinatha P P; Ramesh S; Ramana M M; Ramachandran S; Thayumanavan S	2004	Shoreline changes and near shore processes along Ennore coast east coast of south India	Bathymetry; Beach Profile; Ennore Port; Sediment Characteristics; Sediment Transport; Shoreline Survey	35	Journal of Coastal Research	NA
1313	Orupabo S	2004	Coastline migration in Nigeria	NA	0	Hydro International	NA
1314	Hai-Jun H; Short A; Zeng T; Hanslow D	2004	Impact of Brunswick river mouth training walls on adjacent beaches Brunswick heads New South Wales Australia	Beach Downdrift/Updrift; Beach Erosion and Accretion; GIS; Human Structure; Shoreline Change	2	China Ocean Engineering	NA
1315	Turner I; Aarninkhof S; Dronkers T; Mcgrath J	2004	CZM applications of Argus coastal imaging at the Gold Coast, Australia	Artificial Reef; Beach Surveys; Coastal Monitoring; Coastal Zone Management; Image Analysis; Large Scale Coastal Behaviour; Shoreline Analysis	54	Journal of Coastal Research	10.2112/1551-5036(2004)20[739:caoaci]2.0.co;2

1316	Mohanty P; Panda U; Mishra P; Takada H; Sugimoto T	2004	Tropical cyclones associated changes along Orissa coast east coast of India	NA	2	Asian and Pacific Coasts, 2003 - Proceedings of The 2nd International Conference	10.1142/9789812703040_0048
1317	Li R; Di K; Ma R	2004	A comparative study of shoreline mapping techniques	NA	7	GIS For Coastal Zone Management	NA
1318	Aucelli P; Faillace P; Pellegrino P; Rosskopf C; Scapillati N	2004	The recent evolution of Molise coast southern Italy levoluzione recente della costa molisana italia meridionale	GIS Analyses; Molise; Recent Geomorphological Evolution; Shoreline Changes; South Italy	6	Alpine and Mediterranean Quaternary	NA
1319	Schupp C; Thielier E; O'Connell J	2004	Mapping and analysing historical shoreline changes using GIS	NA	5	GIS For Coastal Zone Management	NA
1320	Niu X; Ma R; Ali T; Srivastava A; Li R	2004	Onsite coastal decision making with wireless mobileGIS	Decision Support; GIS; Internet/Web; Mobile; Spatial Infrastructures	2	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1321	Schwartz R; Deadman P; Scott D; Mortsch L	2004	Modeling the impacts of water level changes on a great lakes community	Climate Change; Geographic Information Systems; Great Lakes; Modeling; Water Levels	15	Journal of The American Water Resources Association	10.1111/j.1752- 1688.2004.tb04450.x

1322	Elkoushy A; Tolba E	2004	Prediction of shoreline change by using satellite aerial imagery	Aerial Images; Coast; Hazards; Photogrammetry; Shoreline Change	1	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1323	Chong A	2004	A case study on the establishment of shoreline position	NA	7	Survey Review	10.1179/sre.2004.37.293.542
1324	Baghdadi N; Gratiot N; Lefebvre J; Oliveros C; Bourguignon A	2004	Coastline and mudbank monitoring in French Guiana contributions of radar and optical satellite imagery	NA	31	Canadian Journal of Remote Sensing	10.5589/m03-059
1325	Hennecke W	2004	GIS modelling of sea level rise induced shoreline changes inside coastal re-entrant two examples from southeastern Australia	Flood-Tide Delta Aggradation; GIS-Based Coastal-Behaviour Modelling; Probability Assessment; Sea-Level Rise; Shoreline Change	22	Natural Hazards	10.1023/B:NHAZ.0000020262.46491.93
1326	Graniczny M; Janicki T; Kowalski Z; Uścińowicz S; Zachowicz J	2004	Geoindicators of the coastal zone reGIStration and analysis of processes and phenomena geoindykatory strefy brzegowej rejestracja i analiza procesów i zjawisk	Coastal Zone; Geoindicators; Gulf of Gdańsk; Remote Sensing	4	Przegląd Geologiczny	NA
1327	Li A; Li G; Cao L; Zhang Q; Deng S	2004	The coast erosion and evolution of the abandoned lobe of the Yellow river delta	Coast Erosion; Erosional Quasi-Equilibrium Line; Remote Sensing; Shandong; Yellow River Delta Abandoned Lobe	15	Dili Xuebao/Acta Geographica Sinica	NA

1279	Kim G; Choi S; Yook W; Song Y	2005	Coastline change detection using corona imagery	Coastline; Corona; Geo-Referencing; Satellite Imagery	1	Journal of The Korean Society of Surveying, Geodesy, Photogrammetry and Cartography	NA
1280	Harley M; Turner I; Short A; Ranasinghe R	2005	Comparison of video RTK-GPS and conventional beach survey methods	NA	0	17th Australasian Coastal and Ocean Engineering Conference 2005 and The 10th Australasian Port and Harbour Conference 2005, Coasts and Ports 2005	NA
1281	Srivastava A; Niu X; Di K; Li R	2005	Shoreline modeling and erosion prediction	NA	15	American Society For Photogrammetry and Remote Sensing - Annual Conference 2005 - Geospatial Goes Global: From Your Neighborhood to The Whole Planet	NA

1282	Parrish C; Sault M; White S; Sellars J	2005	Empirical analysis of aerial camera filters for shoreline mapping	NA	5	American Society For Photogrammetry and Remote Sensing - Annual Conference 2005 - Geospatial Goes Global: From Your Neighborhood to The Whole Planet	NA
1283	Tirkey N; Biradar R; Pikle M; Charatkar S	2005	A study on shoreline changes of Mumbai coast using remote sensing and GIS	NA	22	Journal of The Indian Society of Remote Sensing	10.1007/BF02989995
1284	Chalabi A; Mohd-Lokman H; Mohd-Suffian I; Karamali M	2005	Geomorphological features of Kuala Terengganu spit from ikonos imagery and aerial photographs using segmentation method	ArcInfo; ERDAS; GIS; Ikonos; Remote Sensing; Shoreline	0	Asian Association on Remote Sensing - 26th Asian Conference on Remote Sensing and 2nd Asian Space Conference, ACRS 2005	NA
1285	Prusty G; Dash S; Prasad S	2005	Tide normalized change detection using multitemporal satellite imagery to decipher the turtle rookery dynamics of Gahirmatha India	Change Detection; Coastal Morpho-Dynamics; GIS; Olive Ridley; Tide Normalization; Turtle Rookery	1	RAST 2005 - Proceedings of 2nd International Conference on Recent Advances In Space Technologies	10.1109/RAST.2005.1512631

1286	Chia A; Liew S; Heng A; Kwoh L	2005	Satellite observations of coastline changes in the Andaman islands after the 2004 Sumatra earthquake	2004 Sumatra Earthquake; Andaman Islands; Earthquake; Elevation; Subsidence	6	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2005.1526364
1287	Psomiadis E; Parcharidis I; Poulos S; Stamatis G; Migiros G; Pavlopoulos A	2005	Earth observation data in seasonal and long-term coastline changes monitoring the case of Sperchios river delta central Greece	NA	6	Zeitschrift Fur Geomorphologie, Supplementband	NA
1288	Erickson L	2005	Local sediment management at leeward going through in providenciales Turks and Caicos	NA	2	Terra ET Aqua	NA
1289	Gopinath G; Seralathan P	2005	Rapid erosion of the coast of Sagar island west Bengal India	Coastal Erosion; Coastal Landforms; India; Sagar Island; Satellite Data; Shoreline Change	40	Environmental Geology	10.1007/s00254-005-0044-9
1290	Morton R; Miller T; Moore L	2005	Historical shoreline changes along the us Gulf of Mexico a summary of recent shoreline comparisons and analyses	Beach Nourishment; Coastal Erosion; Mean High Water Line; Shoreline Change Rates	61	Journal of Coastal Research	10.2112/04-0230.1
1291	Boak E; Turner I	2005	Shoreline definition and detection: A review	Coastal Accretion-Erosion; Geographic Positioning System; GPS; Image Analysis; Remote Sensing; Shoreline Analysis; Shoreline Change; Shoreline Mapping	749	Journal of Coastal Research	10.2112/03-0071.1
1292	Are F; Grigoriev M; Hubberten H; Rachold V	2005	Using thermoterrace dimensions to calculate the coastal erosion rate	NA	7	Geo-Marine Letters	10.1007/s00367-004-0193-y
1293	Solomon S	2005	Spatial and temporal variability of shoreline change in the Beaufortmackenzie region northwest territories Canada	NA	100	Geo-Marine Letters	10.1007/s00367-004-0194-x

1294	Overton M; Fisher J; Dolan R	2005	Predicting shoreline change on a manipulated shoreline	NA	3	Proceedings of The Coastal Engineering Conference	10.1142/9789812701916-0198
1295	Penland S; Connor J P; Beall A; Fearnley S; Williams S	2005	Changes in Louisiana's shoreline 1855-2002	Barrier Islands; Beach Nourishment; BreakwaterRS; Coastal Restoration; Dunes; Erosion; Erosional Headland; Jetties; Louisiana; Mississippi River Delta; Seawall; Shoreline Change	67	Journal of Coastal Research	NA
1296	Suursaar ; Tõnisson H; Kullas T; Orviku K; Kont A; Rivis R; Otsmann M	2005	A study of hydrodynamic and coastal geomorphic processes in küdema Bay the Baltic sea	Currents; Hydrodynamic Models; Sea Level; Shoreline Changes; Waves	4	Wit Transactions on The Built Environment	NA
1297	Sener E; Davraz A; Ismailov T	2005	Investigation of Burdur lake shoreline change by using satellite images	NA	2	Proceedings of The 7th International Conference on The Mediterranean Coastal Environment, Medcoast 2005	NA
1298	Jackson M; Jensen J	2005	An evaluation of remote sensing derived landscape ecology metrics for reservoir shoreline environmental monitoring	NA	4	Photogrammetric Engineering and Remote Sensing	10.14358/PERS.71.12.1387
1299	Takewaka S	2005	Measurements of shoreline positions and intertidal foreshore slopes with Xband marine radar system	Coastal Remote Sensing; Foreshore Slope; Intertidal Morphology; Shoreline Position; X-Band Radar	28	Coastal Engineering Journal	10.1142/S0578563405001203

1300	Sundaravadivelu R; Sivasankaravel M; Rajeshwararao N; Nagabhushan N	2005	Coastal erosion studies in Puducherry using GIS and remote sensing	NA	1	Solutions to Coastal Disasters 2005 - Proceedings of The Conference	10.1061/40774(176)30
1301	Seymour R; Guza R; O'Reilly W	2005	Monitoring regional shoreline change	NA	0	California and The World Ocean - Proceedings of The Conference	10.1061/40761(175)2
1302	Mills J; Buckley S; Mitchell H; Clarke P; Edwards S	2005	A geomatics data integration technique for coastal change monitoring	Coastal Change; Data Integration; Geomatics; Photogrammetry; Surface Matching	85	Earth Surface Processes and Landforms	10.1002/esp.1165
1303	Alphan H	2005	Perceptions of coastline changes in river deltas southeast Mediterranean coast of Turkey	Coastline Changes; Cukurova; Mediterranean Landscape; Remote Sensing; River Deltas	15	International Journal of Environment and Pollution	10.1504/IJEP.2005.006398
2164	Trebossen H; Deffontaines B; Classeau N; Kouame J; Rudant J	2005	Monitoring coastal evolution and associated littoral hazards of French Guiana shoreline with radar images	SAR Remote Sensing; Shoreline; Coastal Erosion; Sedimentation; Nautical Chart; French Guiana	10	Comptes Rendus Geoscience	10.1016/j.crte.2005.05.013

1265	Starek M; Sedighi A	2006	Monitoring hurricane effects on aquifer salinity using ALSM	NA	0	American Society For Photogrammetry and Remote Sensing - Annual Conference of The American Society For Photogrammetry and Remote Sensing 2006: Prospecting For Geospatial Information Integration	NA
1266	Yang J; Choi C; Jeon S; Hong S; Kim Y	2006	An anlysis of coastal topography and land cover changes at haeundae beach South Korea by merging GIS and remote sensing data	Aerial Photograph; Coastal Erosion; Coastline; Land Cover Map; Soil Loss	1	Asian Association on Remote Sensing - 27th Asian Conference on Remote Sensing, ACRS 2006	NA
1267	Marghany M; Hashim M	2006	2 canny and velocity bunching algorithms for modelling shoreline change using multiSAR data	Canny Algorithm; ERS-1; RadaRSat-1 SAR; Shoreline Change; Velocity Bunching	0	Asian Association on Remote Sensing - 27th Asian Conference on Remote Sensing, ACRS 2006	NA
1268	Zoran L; Golovanov C; Zoran M	2006	Multisensor image fusion for Romanian Black sea coastal zone analysis	Environmental Changes; Fusion; North-Western Black Sea Coastal Zone; Remote Sensing	2	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.683210

1269	He Q; Zhang B; Li C	2006	Monitoring the change of the coastline of the Yellow river delta by integrating remote sensing rs and GIS	Coastline Evolution; GIS; RS; Yellow River Delta	6	Geology In China	NA
1270	Ouma Y; Tateishi R	2006	A water index for rapid mapping of shoreline changes of five east African rift valley lakes an empirical analysis using Landsat TM and ETM data	NA	195	International Journal of Remote Sensing	10.1080/01431160500309934
1271	Narayana A; Priju C	2006	Landform and shoreline changes inferred from satellite images along the central Kerala coast	Coastal Landforms; Kerala Coast; Paleostrandlines; Remote Sensing; Shoreline Changes	17	Journal of The Geological Society of India	NA
1272	Moore L; Ruggiero P; List J	2006	Comparing mean high water and high-water line shorelines should prosy datum offsets be incorporated into shoreline change analysis	Coastal Erosion; Coastal Mapping; LIDAR; Shoreline Change	84	Journal of Coastal Research	10.2112/04-0401.1
1273	Romagnoli C; Mancini F; Brunelli R	2006	Historical shoreline changes at an active island volcano stramboli Italy	Aeolian Islands; Coastal Changes; Volcanic Coasts; Volcanogenic Sediments	12	Journal of Coastal Research	10.2112/05-0554.1
1274	Durand P; Heurtefeux H	2006	An evaluation method of the impact of relative sea level rise on a barrier lagoon system example of the vic and pierre blanche area hérault France impact de l'élévation du niveau marin sur l'évolution future dun cordon littoral lagunaire une methode dévaluation exemple des étangs de vie et de pierre blanche littoral méditerranéen France	NA	12	Zeitschrift Fur Geomorphologie	NA
1275	Kench P; Brander R	2006	Response of reef island shorelines to seasonal climate oscillations south maalhoshmadulu Atoll maldives	NA	113	Journal of Geophysical Research: Earth Surface	10.1029/2005JF000323

1276	Guariglia A; Buonamassa A; Losurdo A; Saladino R; Trivigno M; Zaccagnino A; Colangelo A	2006	A multisource approach for coastline mapping and identification of shoreline changes	Coastline Mapping; GPS; Multitemporal Analysis; Satellite; Tide	95	Annals of Geophysics	NA
1277	Chalabi A; Mohd-Lokman H; Mohd-Suffian I; Karamali M; Karthigeyan V; Masita M	2006	Monitoring shoreline change using ikonos image and aerial photographs a case study of Kuala Terengganu area Malaysia	Aerial Photographs; Ikonos; Segmentation; Shoreline	16	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1278	Song P; Zhang J; Song W	2006	Dynamic analysis method of coastline based on the computation of stationary points	Coastline; Erosion; Geographic Information; Siltation; Stationary Points	0	Dianzi Yu Xinxu Xuebao/Journal of Electronics and Information Technology	NA
2154	Sallenger A; Stockdon H; Fauver L; Hansen M; Thompson D; Wright C; Lillycrop J	2006	Hurricanes 2004 an overview of their characteristics and coastal change	NA	63	Estuaries and Coasts	10.1007/BF02798647
2155	De M J; Braga A; Pierri G; Klein A	2006	Shoreline change analysis near itapocu river inlet barra velha santa catarina Brazil 1978 to 2002	Inlet; Itapocu River; Santa Catarina	1	Journal of Coastal Research	NA
2156	Lamour M; Odreski L; Soares C	2006	Considerations regarding shoreline morphology variation at an inlet in southern Brazil	Paranagua Bay; Erosion; GPS	4	Journal of Coastal Research	NA
2157	Jackson C; Cleary W; Knierim A	2006	Management and erosion mitigation issues related to ebb channel repositioning rich inlet North Carolina USA	Shoreline Change; Inlet-Induced; Ebb Delta; Ebb Channel; Channel Orientation; Swash BaRS	0	Journal of Coastal Research	NA
2158	Leon J; Correa C	2006	Quantification of shoreline change in Salaverry Peru	Shoreline Variation; Erosion; GIS; Peruvian Coast; Groyne; Breakwater	1	Journal of Coastal Research	NA
2159	Pais-Barbosa J; Veloso-Gomes F; Taveira-Pinto F	2006	Application of geographical information systems on Portuguese coastal projects	GIS; Coastal Protection; Coastal	4	Journal of Coastal Research	NA

				Defences; Management			
2160	Moore L; Ruggiero P; List J	2006	Comparing mean high water and high-water line shorelines should proxy datum offsets be incorporated into shoreline change analysis	Coastal Erosion; LIDAR; Coastal Mapping; Shoreline Change	76	Journal of Coastal Research	10.2112/04-0401.1
2161	Durand P; Heurtefeux H	2006	An evaluation method of the impact of relative sea level rise on a barrier lagoon system example of the Vic and Pierre blanche area Herault France	NA	10	Zeitschrift Fur Geomorphologie	NA
2162	List J; Farris A; Sullivan C	2006	Reversing storm hotspots on sandy beaches spatial and temporal characteristics	Coastal Erosion; Hotspot; Shoreline Change; Outer Banks; Cape Cod; Storm	84	Marine Geology	10.1016/j.margeo.2005.10.003
2214	Richmond B	2006	Understanding shoreline change	NA	1	Coastal Erosion Responses For Alaska, Workshop Proceedings	NA
1231	Lia X; Michiel C; Damen J	2007	Detection of shoreline change and analysis of its environmental impact applied the remote sensing methods in the Pearl river estuary China	Coastline Change; Environmental Impact; Pearl River Estuary; Remote Sensing	0	Proceedings, 32nd International Symposium on Remote Sensing of Environment: Sustainable Development Through Global Earth Observations	NA
1233	Al-Hatrushi S	2007	Shoreline monitoring at Al Hawasina tidal inlet using remote sensing and GIS techniques	Coastal Erosion; Coastal Geomorphology; Tidal Inlets	0	28th Asian Conference on Remote Sensing 2007, ACRS 2007	NA

1234	Wu T; Lee M	2007	Geological lineament and shoreline detection in SAR images	Component; Geological Lineament; SAR; Shoreline	6	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2007.4422845
1235	Kaiser M; Geriesh M	2007	Water resources assessment at Elarish area using remote sensing and GIS north Sinai Egypt	Change Detection; Engineering Structures; Groundwater Analyses; Integrated GIS; Shoreline Protection; Water Chemistry; Water Resources Management	2	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2007.4424064
1236	Wang C; Chen K; Lee H; Lee J; Boerner W; Wang R; Wan H	2007	Disaster monitoring and environmental alert in Taiwan by repeat pass spaceborne SAR	Deformation; Disaster Monitoring; Flood Extent; Interferometry; Synthetic Aperture Radar (SAR)	1	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2007.4423384
1238	Vespremeanu-Stroe A; Constantinescu S; Tătui F; Giosan L	2007	Multi-decadal evolution and north atlantic oscillation influences on the dynamics of the Danube delta shoreline	Black Sea; Longshore Sediment Transport (Lst); Multi-Decadal Climate Variability; Shoreline Retreat/Advance; Storms	45	Journal of Coastal Research	NA
1239	Dewidar K; Frihy O	2007	Pre and post beach response to engineering hard structures using Landsat timeseries at the northwestern part of the Nile delta Egypt	Coastal Processes; Hard Structures; Shoreline Mapping; Shoreline Retreat	23	Journal of Coastal Conservation	10.1007/s11852-008-0013-z
1240	Liu H; Sherman D; Gu S	2007	Automated extraction of shorelines from airborne light detection and ranging data and accuracy assessment based on Monte Carlo simulation	Aerial Photography; Contouring Method; Cross-Shore Profile Method; Mean High Water; Shoreline Mapping; The	75	Journal of Coastal Research	10.2112/05-0580.1

Upper Texas Gulf
Coast

1241	M-Muslim A; Foody G; Atkinson P	2007	Shoreline mapping from coarse spatial resolution remote sensing imagery of Seberang Takir Malaysia	Contouring; Remote Sensing; Soft Classification; Subpixel; Super- Resolution; Two- Point Histogram	41	Journal of Coastal Research	10.2112/04-0421.1
1242	Jackson J C; Alexander C; Bush D	2007	Back barrier shoreline change history Cumberland island Georgia 1857-2002	NA	3	Southeastern Geology	NA
1243	Lazarus E; Murray A	2007	Process signatures in regional patterns of shoreline change on annual to decadal time scales	NA	17	Geophysical Research Letters	10.1029/2007GL031047
1244	Limber P; List J; Warren J; Farris A; Weber K	2007	Using topographic Lidar data to delineate the North Carolina shoreline	NA	4	Coastal Sediments '07 - Proceedings of 6th International Symposium on Coastal Engineering and Science of Coastal Sediment Processes	10.1061/40926(239)144
1245	Mäkiaho J	2007	Estimation of ancient and future shoreline positions in the vicinity of Olkiluoto an island on the western coast of Finland the difference between grid and tin based GIS approaches	Finland; Geographic Information Systems (GIS); Palaeogeography; Paleo-Shorelines; Terrain Analysis	5	Palaeogeography, Palaeoclimatology, Palaeoecology	10.1016/j.palaeo.2007.05.009

1246	Xia Z; Jia P; Lei Y; Chen Y	2007	Dynamics of coastal land use patterns of inner Lingdingyang Bay in the Zhujiang river estuary	Coastal Land Use Pattern; Inner Lingdingyang Bay; Land Reclamation from Sea; Zhujiang River Estuary	10	Chinese Geographical Science	10.1007/s11769-007-0222-7
1247	Tağil	2007	Quantifying the change detection of the uluabat wetland Turkey by use of Landsat images	Change Detection; Fragmentation; Landscape Change; Pattern Metrics; Remote Sensing	15	Ekoloji	NA
1248	Basterretxea G; Orfila A; Jordi A; Fornós J; Tintoré J	2007	Evaluation of a small volume renourishment strategy on a narrow Mediterranean beach	Beach Evolution; Beach Variability; Nourishment	17	Geomorphology	10.1016/j.geomorph.2006.10.019
1250	Khoshnavan H	2007	Beach sediments morphodynamics and risk assessment Caspian sea coast Iran	NA	11	Quaternary International	10.1016/j.quaint.2007.02.014
1251	Kroon A; Davidson M; Aarninkhof S; Archetti R; Armaroli C; Gonzalez M; Medri S; Osorio A; Aagaard T; Holman R; Spanhoff R	2007	Application of remote sensing video systems to coastline management problems	Argus Video System; Beach; Beach Nourishment; Beach Profiles; Coastal State Indicator; Coastline Management; Dredging; Shoreface Nourishment; Shorelines; Spit; Storm Events; Waterlines	96	Coastal Engineering	10.1016/j.coastaleng.2007.01.004
1252	Ekerçin S	2007	Coastline change assessment at the aegean sea coasts in Turkey using multitemporal Landsat imagery	Change Detection; Coastal Zone Management; Digital Image Processing; Multitemporal Image Data	65	Journal of Coastal Research	10.2112/04-0398.1
1253	Plant N; Aarninkhof S; Turner I; Kingston K	2007	The performance of shoreline detection models applied to video imagery	Management; Morphology	89	Journal of Coastal Research	10.2112/1551-5036(2007)23[658:TPOSDM]2.0.CO;2

1254	Tigny V; Ozer A; De F G; Baroli M; Djenidi S	2007	Relationship between the evolution of the shoreline and the posidonia Oceanica meadow limit in a Sardinian coastal zone	Coastline Evolution; Gulf of Oristano; Remote Sensing; Seagrass Meadow	21	Journal of Coastal Research	10.2112/05-0472.1
1255	Carrasco A; Ferreira ; Matias A; Dias J	2007	Historic monuments threatened by coastal hazards at boca do Rio Algarve Portugal	Boca Do Rio; Historic Monuments; Management; Shoreline Retreat	8	Coastal Management	10.1080/08920750601042278
1256	Robertson V W; Zhang K; Whitman D	2007	Hurricane induced beach change derived from airborne laser measurements near Panama city Florida	Beach Width Change; GIS; LIDAR; Shoreline Change; Volume Change	45	Marine Geology	10.1016/j.margeo.2006.11.003
1257	El B M	2007	Erosion and accretion rates and their associated sediment characters along Ras El Bar coast northeast Nile delta Egypt	Damietta Harbour; Egypt; Engineering Structures; Mediterranean; Nile Delta; Ras El Bar	9	Environmental Geology	10.1007/s00254-006-0447-2
1258	Li X	2007	Application of the remote sensing method in the analysis of the shoreline change and its environmental impact in the lingdingyang Bay Pearl river estuary Guangdong China	Lingdingyang; Pearl River Estuary; Remote Sensing; Shoreline Change	8	Geological Bulletin of China	NA
1259	Mangham W; Williams H	2007	GPS based analysis of shoreline change 1995-2005 mad island marsh preserve Matagorda county Texas	NA	2	Texas Journal of Science	NA
1260	Anil A H; Yüksel Y; Özkan Ç E; Güler I; Cevdet Y A; Bayram B	2007	Determination and control of longshore sediment transport a case study	Coastal Sediment Transport; Coastal Zone Management; Longshore Sediment Transport; Remote Sensing; Shoreline Change	13	Ocean Engineering	10.1016/j.oceaneng.2006.01.009
1261	Alesheikh A; Ghorbanali A; Nouri N	2007	Coastline change detection using remote sensing	Band Ratios; Coastline Extraction; Histogram Thresholding;	268	International Journal of Environmental Science and Technology	10.1007/BF03325962

1262	Hernández L; Alonso I; Sánchez-Pérez I; Alcántara-Carrió J; Montesdeoca I	2007	Shortage of sediments in the Maspalomas dune field gran Canaria canary islands deduced from analysis of aerial photographs foraminiferal content and sediment transport trends	Coastal Erosion; Foraminifera; Grain Size; Sediment Supply	26	Journal of Coastal Research	10.2112/04-0286.1
1263	Mcninch J	2007	Bar and swash imaging radar basir a mobile Xband radar designed for mapping nearshore sand bars and swash defined shorelines over large distances	Morphodynamics; NearShore; Remote Sensing; Video	32	Journal of Coastal Research	10.2112/05-0452.1
1264	Mateo Z; Siringan F	2007	Tectonic control of high frequency Holocene delta switching and fluvial migration in Lingayen Gulf Bayhead northwestern Philippines	Agno River; Alluvial Fans; Beach Ridges; Earthquakes; Meander Belts; Shoreline Change; Strand plain	8	Journal of Coastal Research	10.2112/04-0152.1
2152	Kaiser M; Geriesh M	2007	Water resources assessment at Eiarish area using remote sensing and GIS north Sinai Egypt	Change Detection; Engineering Structures; Groundwater Analyses; Integrated GIS; Shoreline Protection; Water Chemistry; Water Resources Management (Keywords)	1	IGARSS: 2007 IEEE International Geoscience and Remote Sensing Symposium, Vols 1-12: Sensing and Understanding Our Planet	NA
2153	Wu W	2007	Coastline evolution monitoring and estimation a case study in the region of Nouakchott Mauritania	NA	25	International Journal of Remote Sensing	10.1080/01431160701227612

1212	Revell D; Barnard P; Mustain N; Storlazzi C	2008	Influence of harbor construction on downcoast morphological evolution Santa Barbara, California	NA	1	Solutions to Coastal Disasters Congress 2008 - Proceedings of The Solutions to Coastal Disasters Congress 2008	10.1061/40968(312)57
1213	Samanta S; Paul S	2008	Effects of coastal processes on shoreline changes along Dighashankarpur coastal tract using remote sensing and GIS	Coastal Process and Shoreline Change; GIS; Remote Sensing	0	29th Asian Conference on Remote Sensing 2008, ACRS 2008	NA
1214	Zhao X; Liu J; Yang X	2008	Study of geological hazards assessment on coastline change	Fuzzy Hierarchy Comprehensive Evaluation; Geological Hazard; GIS; The Change of Coastline	0	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.813046
1215	Zoran L; Golovanov C; Zoran M	2008	Multispectral and multitemporal satellite data fusion for coastal zone dynamics assessment	Black Sea Coastal Zone; Changes; Constantza; Data Fusion; Satellite Remote Sensing	1	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.800357
1216	Jones B; Hinkel K; Arp C; Eisner W	2008	Modern erosion rates and loss of coastal features and sites Beaufort sea coastline Alaska	Alaska; Arctic; Beaufort Sea Coastline; Coastal Erosion; Shoreline Analysis	63	Arctic	NA
1217	Appeaning A K; Walkden M; Mills J	2008	Detection measurement and prediction of shoreline recession in Accra, Ghana	Coastline; Erosion Prediction; Sea-Level Rise; Shoreline Evolution	139	ISPRS Journal of Photogrammetry and Remote Sensing	10.1016/j.isprsjprs.2008.04.001

1218	Wang Y; Allen T	2008	Estuarine shoreline change detection using Japanese ALOS, PALSAR HH and JERS-1 L-HH SAR data in the Albemarle-Pamlico sounds, North Carolina, USA	NA	36	International Journal of Remote Sensing	10.1080/01431160801932525
1219	Chen L; Jiang W; Chen Y; Li J; Lin A	2008	Forecasting coastline change based on GML 1 model: A case study on Liaohe river delta	Coastline Change Forecasting; Gm (1; 1) Model; Grey Model; Liaohe River Delta	2	Yingyong Jichu Yu Gongcheng Kexue Xuebao/Journal of Basic Science and Engineering	NA
1220	Ojeda E; Guillén J	2008	Shoreline dynamics and beach rotation of artificial embayed beaches	Beach Rotation; Nourishment; Shoreline Position; Video Imaging	106	Marine Geology	10.1016/j.margeo.2008.03.010
1221	Bayram B; Acar U; Seker D; Ari A	2008	A novel algorithm for coastline fitting through a case study over the Bosphorus	Coastline Extraction; Image Processing; Remote Sensing; Segmentation	28	Journal of Coastal Research	10.2112/07-0825.1
1222	Marfai M; Almohammad H; Dey S; Susanto B; King L	2008	Coastal dynamic and shoreline mapping multi sources spatial data analysis in Semarang, Indonesia	Digital Number Value Analysis; Multi-Sources Spatial Data; Semarang-Indonesia; Shoreline Dynamic; Visual Interpretation	91	Environmental Monitoring and Assessment	10.1007/s10661-007-9929-2
1223	Kroon A; Larson M; Möller I; Yokoki H; Rozynski G; Cox J; Larroude P	2008	Statistical analysis of coastal morphological data sets over seasonal to decadal time scales	Complex Principal Component Analysis; Data Analysis; Long-Term Morphological Evolution; NearShore BaRS; Sand Waves; Shoreline Undulations; Visualization	49	Coastal Engineering	10.1016/j.coastaleng.2007.11.006
1224	Shaw J; Wolinsky M; Paola C; Voller V	2008	An image based method for shoreline mapping on complex coasts	NA	35	Geophysical Research Letters	10.1029/2008GL033963

1225	Ghanavati E; Firouzabadi P; Jangi A; Khosravi S	2008	Monitoring geomorphologic changes using Landsat tm and ETM data in the Hendijan river delta southwest Iran	NA	29	International Journal of Remote Sensing	10.1080/01431160701294679
1226	Wang C; Chen K; Lee J; Boerner W	2008	Long-term and short-term surface deformation mapping by repeat-pass satellite SAR	Deformation; Disaster Monitoring; Flood Extent; Interferometry; Synthetic Aperture Radar (SAR)	0	Proceedings of The European Conference on Synthetic Aperture Radar, EUSAR	NA
1227	Li R; Deshpande S; Niu X; Lee I; Wu B	2008	Multidimensional geospatial data integration for coastal change analysis	Analysis; Change; Coast; High Resolution; Integration; LIDAR; Orthoimage; Satellite	2	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1228	Kim Y; Lee D; Hong S; Chung C; Lee K	2008	Coastline change analysis using RTK-GPS and aerial photo	Coastline; Qualitative Analysis; Rtk-GPS; Time Series Analysis	1	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1229	Bini M; CaSARosa N; Ribolini A	2008	Multitemporal 1938-2004 evolution of the Pisan shoreline based on the comparison of georeferenced aerial images lev oluzione diacronica della linea di riva del litorale pisano 1938-2004 sulla base del confront di immagini aeree georeferenziate	Coastal Erosion; Pisan Littoral; Remote Sensing; Shoreline	25	Atti Della Societa toscana Di Scienze Naturali, Memorie Serie A	NA

1230	Restrepo J; López S	2008	Morphodynamics of the Pacific and caribbean deltas of Colombia, South America	Caribbean Coast; Colombia; Delta Morphodynamics; Deltas; Discharge; El Niño; Pacific Coast; Recent Delta Evolution; Relative Sea Level; Tides; Waves	49	Journal of South American Earth Sciences	10.1016/j.jsames.2007.09.002
2137	Jones B; Hinkel K; Arpi C; Eisner W	2008	Modern erosion rates and loss of coastal features and sites, Beaufort sea coastline, Alaska	Alaska; Arctic; Beaufort Sea Coastline; Coastal Erosion; Shoreline Analysis	58	Arctic	NA
1175	Goncalves R; Krueger C; Heck B; Awange J; Cortes J	2009	Gps assessment of shoreline extraction using high resolution images	Coastal Erosion; GPS; High Resolution Image; Shoreline	0	Proceedings, 33rd International Symposium Remote Sensing of Environment, Isrse 2009	NA
1176	El-Nahry A; Doluschitz R	2009	Climate change and its impacts the coastal zone of the Nile delta, Egypt	Climate Change; Erosion; RS and GIS; Sea Level Rise; The Nile Delta	0	Proceedings, 33rd International Symposium Remote Sensing of Environment, Isrse 2009	NA
1177	Taveira-Pinto F; Pais-Barbosa J; Veloso-Gomes F	2009	Coastline evolution at Esmoriz-Furadouro stretch (Portugal)	Coastal Zone; Coastline Change; Retreat; Urban Areas	5	Journal of Coastal Research	NA
1178	Harris M; Wright E; Fuqua L; Tinker T	2009	Comparison of shoreline erosion rates derived from multiple data types data compilation for legislated setback lines in South Carolina, USA	Coastal Erosion; Coastal Policy; DSAS; Pmas; Shoreline Change	9	Journal of Coastal Research	NA
1179	Conti M; Cappucci S; La M G	2009	Sediment dynamics of nourished sandy beaches dinamica sedimentaria di spiagge protette mediante ripascimento	Beach Nourishment; Littoral-Protection; Monitoring; Shoreline	6	Rendiconti online Societa Geologica Italiana	NA

1180	Samaras A; Koutitas C	2009	The impact of catchment management on coastal morphology: the case of Fourka in Greece	Catchment Management; Land Cover Changes; Numerical Modeling; Shoreline Change	7	Journal of Coastal Research	NA
1181	Batista E; Souza F P; Da S O	2009	Evaluation of depositional and erosional areas on cables muddy coastal zone Amazon through the analysis of multitemporal remote sensing imagery avaliação de áreas deposicionais e erosivas em cabos lamosos da zona costeira amazônica através da análise multitemporal de imagens de sensores remotos	Amapá; Amazon; Mangrove; Mud Cape; Shoreline Changes	9	Revista Brasileira De Geofisica	NA
1182	Yang J; Seo D; Lim H; Cho C	2009	An analysis of coastal topography and land cover changes at haeundae beach, South Korea	Aerial Photograph; Coastal Erosion; Coastline; Land Cover Map; Soil Loss	0	60th International Astronautical Congress 2009, IAC 2009	NA
1183	Hansen J; Barnard P	2009	The observed relationship between wave conditions and beach response ocean beach San Francisco, CA	Beaches; Shorelines; Storm Response; Wave Conditions	4	Journal of Coastal Research	NA
1184	Frihy O; Moufaddal W; Gindy A; Deabes E	2009	Comparison of annual rates of beach changes determined from land survey and remote sensing techniques along the coastline of the Nile delta, Egypt	and Sediment Transport; Beach Morphodynamics; Littoral Cells; Remote Sensing; Shoreline Changes	1	International Journal of Ecology and Development	NA
1185	Pires A; Gomes A; Chaminé H	2009	Dynamics of coastal systems using GIS analysis and geomaterials evaluation for groins	Coastal Dynamics; Coastal Geoengineering; Geomaterials; GIS; Hydraulic Structures	10	Environmental and Engineering Geoscience	10.2113/gseegeosci.15.4.245

1186	Banna M; Hereher M	2009	Detecting temporal shoreline changes and erosion accretion rates using remote sensing and their associated sediment characteristics along the coast of north Sinai, Egypt	Egypt; El Arish Harbour; El Bardawil Inlet; Landsat Images; Mediterranean Sea; North Sinai; Rafah	23	Environmental Geology	10.1007/s00254-008-1644-y
1187	Kumar A; Jayappa K	2009	Long and short-term shoreline changes along Mangalore coast, India	Anthropogenic Activities; Beach Erosion; Natural Processes; Shoreline Changes	38	International Journal of Environmental Research	NA
1188	Brock J; Purkis S	2009	The emerging role of Lidar remote sensing in coastal research and resource management	Benthic Habitats; Coastal Mapping; Dune Vegetation; Laser Altimetry; LIDAR; Remote Sensing; Shoreline Change; Storm Hazards	131	Journal of Coastal Research	10.2112/SI53-001.1
1189	Heo J; Kim J; Kim J	2009	A new methodology for measuring coastline recession using buffering and nonlinear least squares estimation	Buffering Method; Coastline Recession; Non-Linear Least Squares; Shoreline Change	15	International Journal of Geographical Information Science	10.1080/13658810802035642
1190	Dwarakish G; Vinay S; Natesan U; Asano T; Kakinuma T; Venkataramana K; Pai B; Babita M	2009	Coastal vulnerability assessment of the future sea level rise in Udupi coastal zone of Karnataka State west coast of India	NA	98	Ocean and Coastal Management	10.1016/j.ocecoaman.2009.07.007
1191	Wang Y; Liao M; Wang C	2009	Applications and analyses of satellite borne l band synthetic aperture radar data in coastal environments	NA	1	Geography Compass	10.1111/j.1749-8198.2009.00254.x
1192	Sridhar R; Elangovan K; Suresh P	2009	Long term shoreline oscillation and changes of Cauvery delta coastline inferred from satellite imageries	IRS Satellite Data; Shoreline Oscillation	13	Journal of The Indian Society of Remote Sensing	10.1007/s12524-009-0013-y

1193	Murali R; Shrivastava D; Vethamony P	2009	Monitoring shoreline environment of Paradip east coast of India using remote sensing	Accretion; Erosion; Geomorphology; Remote Sensing; Shoreline Changes	28	Current Science	NA
1194	Rocha C; Araújo T; Mendonça F	2009	Methodology for location of shorelines using 3DGPS positioning: a case study at Sauaçui beach northeast Brazil	Brazil; Datum; Ellipsoid; Geoid; HWL; Identification of Shorelines; Run-Up; Vertical Data	2	Journal of Coastal Research	10.2112/08-1108.1
1195	Archetti R	2009	Quantifying the evolution of a beach protected by low crested structures using video monitoring	Coastal Erosion; Coastal Evolution; Low Crested Structures; Video Monitoring	23	Journal of Coastal Research	10.2112/07-0994.1
1196	Pearre N; Puleo J	2009	Quantifying seasonal shoreline variability at Rehoboth beach Delaware using automated imaging techniques	Erosion; Groin; Nourishment Evolution; Remote Sensing; Video	38	Journal of Coastal Research	10.2112/08-1029.1
1197	Houser C; Hamilton S	2009	Sensitivity of post-hurricane beach and dune recovery to event frequency	Dune Recovery; Hurricane Recovery; Santa Rosa Island	103	Earth Surface Processes and Landforms	10.1002/esp.1730
1198	Parcharidis I; Pavlopoulos K; Poscolieri M; Kourkouli P	2009	Using time series of satellite earth's observation data to determine geomorphological and paleogeographical changes at the south eastern coastal areas of Gokceada (Imvros) island (Turkey)	NA	0	Zeitschrift Fur Geomorphologie	10.1127/0372-8854/2009/0053S1-0139
1199	Kaiser M	2009	Environmental changes remote sensing and infrastructure development the case of Egypt's east port Said harbour	El-Tina Coastal Zone; Engineering Structures; Environmental Changes; Erosion; Multispectral Image Classification; Remote Sensing and Vector Analyses	27	Applied Geography	10.1016/j.apgeog.2008.09.008

1200	Liou J; Chang H; Chen W; Liaw S	2009	Beach erosion and preventive countermeasure at Kangnan coast, Taiwan	Bathymetric Variation; Groin Effect; Sediment Transport; Shoreline Evolution	5	Journal of Coastal Research	10.2112/07-0950.1
1201	Jones B; Arp C; Jorgenson M; Hinkel K; Schmutz J; Flint P	2009	Increase in the rate and uniformity of coastline erosion in Arctic, Alaska	NA	212	Geophysical Research Letters	10.1029/2008GL036205
1202	Maiti S; Bhattacharya A	2009	Shoreline change analysis and its application to prediction a remote sensing and statistics based approach	Geomorphological Evidences; Regression Coefficient (R2); Root Mean Square Error (RMSE); Shoreline Change Rate; Shoreline Prediction	194	Marine Geology	10.1016/j.margeo.2008.10.006
1203	Alves A	2009	Long-term erosional hot spots in the southern Brazilian coast	NA	8	Journal of Geophysical Research: Oceans	10.1029/2008JC004933
1204	Sasaki M; Takeuchi T	2009	Shoreline changes around artificial headlands along the Misawa coast, Japan	Artificial Headland; Beach Erosion; Coastal Sand Drift; Dominant; Shoreline Advancement; Shoreline Retreat	0	Advances In Water Resources and Hydraulic Engineering - Proceedings of 16th Iahr-Apd Congress and 3rd Symposium of IAHR-ISHS	10.1007/978-3-540-89465-0_223
1205	De A A; Masselink G; Kingston K; Williams J; Buscombe D	2009	Monitoring storm impacts on a gravel beach using the Argus video system	NA	1	Proceedings of The Coastal Engineering Conference	10.1142/9789814277426_0217

1206	Natesan U	2009	Shoreline dynamics of Dhanushkodi Rameswaram using GIS	Beach Slope; Rameswaram; Satellite Data; Sediment Transport; Shoreline Changes	2	Advances In Water Resources and Hydraulic Engineering - Proceedings of 16th Iahr-Apd Congress and 3rd Symposium of IAHR-ISHS	10.1007/978-3-540-89465-0_226
1207	Kawakubo F	2009	Coastline change assessment at Ribeira de Iguape outlet and Barra do Icapara lagoonal mouth southern coastal region of the state of São Paulo, Brazil using Landsat MSS, TM, and ETM images avaliação das mudanças na linha de costa na foz do rio ribeira de iguapedesembocaura lagunar da barra do icapara litoral sul de São Paulo brasil utilizando dados do Landsat MSS, TM, e ETM	Change Detection; Classification by Region; Coastal Dynamic; Fraction Images; Geomorphic Features; Multitemporal Landsat	4	Investigaciones Geograficas	NA
1208	Sallenger A; Wright C; Doran K; Guy K; Morgan K	2009	Hurricane Rita and the destruction of Holly beach Louisiana why the chenier plain is vulnerable to storms	NA	1	Special Paper of The Geological Society of America	10.1130/2009.2460(09)
1209	Glen G; Campbell J; Kennedy L	2009	Fifty-one years of shoreline change at little lagoon Alabama	Lagoons; Overwash Fans; Shoreline Change; Sliver Polygons; Tidal Inlets	1	Southeastern Geographer	10.1353/sgo.0.0037
1210	Chusrinuan N; Tanavud C; Yongchalermchai C	2009	Impacts of shoreline erosion on coastal ecosystems in Songkhla province	Accretion; GIS; Prevention and Mitigation Measures; Shoreline Erosion; Songkhla Province	1	Songklanakarin Journal of Science and Technology	NA

1211	Sesli F; Karsli F; Colkesen I; Akyol N	2009	Monitoring the changing position of coastlines using aerial and satellite image data an example from the eastern coast of Trabzon, Turkey	Coastal Area; Coastal Land Use; Coastal Management; Environment; Photogrammetry; Remote Sensing	47	Environmental Monitoring and Assessment	10.1007/s10661-008-0366-7
2123	Ruggiero P; Lists J	2009	Improving accuracy and statistical reliability of shoreline position and change rate estimates	California; Pacific Northwest; High Waterline; LIDAR; Mean High Water; Shoreline Change Rate; Shoreline Position Uncertainty; Weighted Linear Regression	40	Journal of Coastal Research	10.2112/08-1051.1
2124	Delgado-Fernandez I; Davidson-Arnott R; Ollerhead J	2009	Application of a remote sensing technique to the study of coastal dunes	Beach Surface Moisture; Image Rectification; Eolian Sediment Transport; Foredune Evolution; Digital Photography; Geodatabase; Mesoscale Monitoring	39	Journal of Coastal Research	10.2112/09-1182.1
2133	Gaston B; Ajayi O	2009	GIS based shoreline change detection along the Cameroon coast towards disaster risk reduction and management	Shoreline Changes; Shoreline Change Detection; Disaster Risk Reduction; Natural Disaster Management; GIS Applications	0	Environmental Vibrations: Prediction, Monitoring, Mitigation and Evaluation, Vols I and II	NA
2134	Rihouey D; Dailloux D; Nader J; Morichon D	2009	Mapping intertidal topography from video measurements	NA	0	Houille Blanche- Revue Internationale De L Eau	10.1051/lhb/2009011

1135	Cui B; Li X; Chang X; Yi W; Wang L	2010	Remote sensing monitoring of coastline change in the Yellow river estuary 1976-2005	Accretion-Erosion; Coastline; Remote Sensing; The Yellow River Delta	2	Proceedings - 2010 3rd International Congress on Image and Signal Processing, Cisp 2010	10.1109/CISP.2010.5647965
1136	Manno G; Lo R C; Ciraolo G; Maltese A	2010	Coupling a hydro-maritime model and remotely sensed techniques to assess the shoreline positioning uncertainty: the Marsala coast study case	Coast; Sandy Beach; Shoreline Motion; Tides; Waves Run-Up	0	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.865000
1137	Elfrink B	2010	Setback lines for pipeline landfalls and coastal infrastructure	NA	0	Brazilian Petroleum, Gas and Biofuels Institute [Ibp] Rio Oil and Gas Conference (Rio De Janeiro, Brazil, 9/13-16/2010) Techn	NA
1138	Hoa D; Ai T	2010	Integraton multitemporal remote sensing data and bathymetric data for studying shoreline change in Ba Lat estuary Thai Binh, province	Ba Lat Estuary; Bathymetric Data; Shoreline Change	0	31st Asian Conference on Remote Sensing 2010, ACRS 2010	NA
1139	Nguyen H; Pullar D; Duke N; Mcalpine C; Nguyen H; Johansen. K	2010	Historic shoreline changes an indicator of coastal vulnerability for human land use and development in Kien Gang, Vietnam	Accretion; Coastal Vulnerability Assessments; Erosion; Shoreline Positions	7	31st Asian Conference on Remote Sensing 2010, ACRS 2010	NA
1140	Rasuly A; Naghdifar R; Rasoli M	2010	Monitoring of Caspian sea coastline changes using object-oriented techniques	Caspian Sea; Coastal Changes; Object-Oriented Techniques; Satellite Imageries	46	Procedia Environmental Sciences	10.1016/j.proenv.2010.10.046

1141	Brooks S; Spencer T	2010	Temporal and spatial variations in recession rates and sediment release from soft rock cliffs Suffolk coast, UK	ArcMap; Coastal Management; Digital Shoreline Analysis System (DSAS); NextMap; Sediment Release; Shoreline Retreat	60	Geomorphology	10.1016/j.geomorph.2010.08.005
1142	Rodrigo M; Coelho L; Krueger C; Heck B	2010	Shoreline predictive modeling using Artificial Neural Networks modelagem preditiva de linha de costa utilizando redes neurais artificiais	Artificial Neural Network; Coastal Mapping; Prediction Models; Shoreline	7	Boletim De Ciencias Geodesicas	NA
1143	Hansen J; Barnard P	2010	Sub-weekly to interannual variability of a high-energy shoreline	Beach Processes; Eof; GPS Surveying; NearShore Bathymetry; Storm Response	60	Coastal Engineering	10.1016/j.coastaleng.2010.05.011
1144	Kurt S; Karaburun A; Demirci A	2010	Coastline changes in Istanbul between 1987 and 2007	Coastline; Coastline Change; Istanbul; Remote Sensing	22	Scientific Research and Essays	NA
1145	Sesli F	2010	Mapping and monitoring temporal changes for coastline and coastal area by using aerial data images and digital photogrammetry: a case study from Samsun, Turkey	Aerial Photos; Coast; Coastal Area; Coastal Mapping; Coastline; Digital Photogrammetry	17	International Journal of Physical Sciences	NA
1146	Li X; Damen M	2010	Coastline change detection with satellite remote sensing for environmental management of the Pearl river estuary China	Coastline Change; Environmental Impact; Pearl River Estuary; Remote Sensing	109	Journal of Marine Systems	10.1016/j.jmarsys.2010.02.005
1147	Kuleli T	2010	Quantitative analysis of shoreline changes at the Mediterranean coast in Turkey	Change Detection; Coastline; Cukurova Delta; DSAS; Landsat	85	Environmental Monitoring and Assessment	10.1007/s10661-009-1057-8
1148	Waythomas C; Scott W; Nye C	2010	The geomorphology of an Aleutian volcano following a major eruption the 78 august 2008 eruption of Kasatochi volcano Alaska and its aftermath	NA	17	Arctic, Antarctic, and Alpine Research	10.1657/1938-4246-42.3.260

1149	Kumar A; Narayana A; Jayappa K	2010	Shoreline changes and morphology of spits along southern Karnataka west coast of India a remote sensing and statistics based approach	Anthropogenic Intervention; Regression Coefficient; Remote Sensing; Shoreline Changes; Spit Morphology; West Coast of India	78	Geomorphology	10.1016/j.geomorph.2010.02.023
1150	Niang I; Dansokho M; Faye S; Gueye K; Ndiaye P	2010	Impacts of climate change on the Senegalese coastal zones: examples of the Cap Vert Peninsula and Saloum estuary	Adaptation; Climate Change; Coastal Erosion; Inundation; Saltwater Intrusion; Sea Level Rise; Senegal	19	Global and Planetary Change	10.1016/j.gloplacha.2010.01.005
1151	Dawson J; Smithers S	2010	Shoreline and beach volume change between 1967 and 2007 at Raine island Great Barrier Reef, Australia	Erosion; GIS; Great Barrier Reef; Raine Island; Sand Cay; Sediment Transport	64	Global and Planetary Change	10.1016/j.gloplacha.2010.01.026
1152	Jabaloy-Sánchez A; Lobo F; Azor A; Bárcenas P; Fernández-Salas L; Del R V; Pérez-Peña J	2010	Human-driven coastline changes in the Adra river deltaic system southeast Spain	Bathymetry; Coastline Changes; Damming; Delta; GIS; River Deviation	54	Geomorphology	10.1016/j.geomorph.2010.02.004
1153	Durduran S	2010	Coastline change assessment on water reservoirs located in the konya basin area Turkey using multitemporal Landsat imagery	Coastline Change; Image Processing; Konya Basin; Multitemporal Image Data; Reservoirs	35	Environmental Monitoring and Assessment	10.1007/s10661-009-0906-9
1154	Shu Y; Li J; Gomes G	2010	Shoreline extraction from Radarsat-2 intensity imagery using a narrow band level set segmentation approach	Level Set Segmentation; Narrow Band; RadaRSat-2; Shoreline Mapping	44	Marine Geodesy	10.1080/01490419.2010.496681
1155	Mohd D M; Rasouli A	2010	Application of the object-oriented technique to monitor coastline changes: case study Caspian sea	Caspian Sea; Coastal Changes Monitoring; Ecognition Software; Object-Oriented Techniques; Satellite Imageries	2	Disaster Advances	NA

1156	Li X; Zhou Y; Kuang R	2010	Analysis and trend prediction of shoreline evolution in Chongming Dongtan, Shanghai	GIS; Graphics Based Method; Remote Sensing; Shoreline Evolution; Trend Prediction	7	Jilin Daxue Xuebao (Diqu Kexue Ban)/Journal of Jilin University (Earth Science Edition)	NA
1157	Mathew S; Davidson-Arnott R; Ollerhead J	2010	Evolution of a beach-dune system following a catastrophic storm overwash event: Greenwich dunes Prince Edward Island 1936-2005	NA	55	Canadian Journal of Earth Sciences	10.1139/E09-078
1158	Sener E; Davraz A; Sener S	2010	Investigation of Aksehir and Eber lakes SW Turkey coastline change with multitemporal satellite images	Aksehir Lake; Coastline Change; Hydrology; Remote Sensing	29	Water Resources Management	10.1007/s11269-009-9467-5
1159	Vilmundardóttir O; Magnússon B; Gísladóttir G; Thorsteinsson T	2010	Shoreline erosion and aeolian deposition along a recently formed hydroelectric reservoir Blöndulón Iceland	Aeolian Deposit; Bluff Erosion Rate; Fetch Length; Hydro-Electric Reservoir; Iceland; Shore Morphology; Wave Power	24	Geomorphology	10.1016/j.geomorph.2009.08.012
1160	Urbanski J	2010	The extraction of coastline using OBIA and GIS	Coastline; GIS; OBIA	8	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA

1161	Raju D; Santosh K; Chandrasekar J; Tiong-Sa T	2010	Coastline change measurement and generating risk map for the coast using geographic information system	Chart Datum; Coastline; Geographic Information System; Risk Map	6	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1162	Nguyen L; Minh N; Thy P; Phung H; Van H	2010	Analysis of changes in the riverbanks of Mekong river Vietnam by using multitemporal remote sensing data	Change; Linear Regression; Remote Sensing; Riverbank	8	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1163	Aguilar F; Fernández I; Pérez J; López A; Aguilar M; Mozas A; Cardenal J	2010	Preliminary results on high accuracy estimation of shoreline change rate based on coastal elevation models	Change Detection; Coast; DEM/DTM; LIDAR; Mapping; Monitoring; Shoreline	10	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA
1164	Siripong A	2010	Detect the coastline changes in Thailand by remote sensing	Coastal Erosion; Coastline Change; Remote Sensing; Thai Coast; Thai Coastal Development	10	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	NA

1165	El-Deen T L; Elbeih S	2010	Investigation of fusion of SAR and Landsat data for shoreline super resolution mapping the northeastern Mediterranean sea coast in Egypt	Fuzzy Classifier; Image Fusion; SAR; Shoreline Extraction; Speckle Noise; Super Resolution Mapping	19	Applied Geomatics	10.1007/s12518-010-0033-x
1166	Kang Y; Ding X; Cheng L; Zhang J	2010	Coastline changes in Vancheng since 6000 years ago based on remote sensing image dodging	Ancient Coast; Coastal Plain; Remote Sensing Image Dodging; Sand Hills and Silt Flats; Yancheng	5	Dili Xuebao/Acta Geographica Sinica	NA
1167	Qiao C; Luo J; Sheng Y; Shen Z; Li J	2010	Lake shrinkage analysis using spectral-spatial coupled remote sensing on Tibetan plateau	Lake Extraction; Remote Sensing; Shoreline Detection; Tibetan Plateau	6	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2010.5653706
1168	Gao Y; Su F; Sun X; Xue Z; He Y	2010	A study on spatial and temporal variations of coastal wetland in Pearl river estuary	Centroid Displacement; Coastal Wetlands; Dynamic Degree; Pearl River Estuary	5	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2010.5651648
1169	Wang C; Zhang J; Ma Y	2010	Coastline interpretation from multispectral remote sensing images using an association rule algorithm	NA	22	International Journal of Remote Sensing	10.1080/01431160903413739
1170	Jolicoeur S; GiangIOPpi M; Bérubé D	2010	Response of Bouctouche spit New Brunswick Canada to relative sea-level rise and storms from 1944 to 2000 réponses de la flèche littorale de bouctouche nouveauBrunswick Canada à la hausse du niveau marin relatif et aux tempêtes entre 1944 et 2000	Relative Sea-Level Rise; Sand Spit; Sediment Budget; Storm Deltas; Storms; WashoverRS	6	Geomorphologie: Relief, Processus, Environnement	10.4000/geomorphologie.7839
1171	Liguori V; Porcaro A	2010	Coastal erosion in the archaeological area of Selinunte	Coastal Erosion; Geomorphology; Sea-Level Change	1	Wit Transactions on Ecology and The Environment	10.2495/ISLANDS100131

1172	Robinson M; Alexander C; Jackson C; McCabe C; Crass D	2010	Threatened archaeological historic and cultural resources of the Georgia coast identification prioritization and management using GIS technology	NA	38	Geoarchaeology	10.1002/gea.20309
1173	Danchuk S; Willson C	2010	Effects of shoreline sensitivity on oil spill trajectory modeling of the lower Mississippi river	Environmental Sensitivity Index Mapping; Oil Spill Modeling; Shoreline Oil Interactions; Shoreline Retention; Shoreline Sensitivity	18	Environmental Science and Pollution Research	10.1007/s11356-009-0159-8
1174	Komar P	2010	Shoreline evolution and management of Hawkes Bay New Zealand tectonics coastal processes and human impacts	BreakwaterRS; Gravel Beaches; Jetties; River WaterSheds; Sediment Budgets; Wave Climates	30	Journal of Coastal Research	10.2112/08-1079.1
2094	Marghany M; Hashim M	2010	Velocity bunching and canny algorithms for modelling shoreline change rate from synthetic aperture radar (SAR)	Synthetic Aperture Radar (SAR); Shoreline; Velocity Bunching; Partial Differential Equation (PDF)	5	International Journal of The Physical Sciences	NA
2097	Cowart L; Walsh J; Corbett D	2010	Analyzing estuarine shoreline change: a case study of Cedar island, North Carolina	Erosion; Fetch; Shoreline Composition; Endpoint Rate; Transect	28	Journal of Coastal Research	10.2112/JCOASTRES-D-09- 00117.1
2101	Ruggiero P; Buijsman M; Kaminsky G; Gelfenbaum G	2010	Modeling the effects of wave climate and sediment supply variability on large-scale shoreline change	Shoreline Modeling; Shoreline Change; Longshore Transport; Climate Variability; Sediment Budget; Washington State; Oregon State; Columbia River Littoral Cell	54	Marine Geology	10.1016/j.margeo.2010.02.008

2102	Rao K; Subraelu P; Kumar K; Demudu G; Malini B; Rajawat A; Ajai	2010	Impacts of sediment retention by dams on delta shoreline recession: evidences from the Krishna and Godavari deltas, India	Shoreline Changes and Sedimentation; Coastal Erosion; Krishna-Godavari Deltas	37	Earth Surface Processes and Landforms	10.1002/esp.1977
2110	Goncalves R; Coelho L; Krueger C; Heck B	2010	Shoreline predictive modeling using Artificial Neural Networks	Coastal Mapping; Artificial Neural Network; Prediction Models; Shoreline	5	Boletim De Ciencias Geodesicas	10.1590/S1982-21702010000300004
2111	Jie D; Zhang J; Wang L	2010	Research on the stability for north shoreline of Liaodong Bay	Shoreline Changes; Remote Sensing; Water Extraction; Stability; North of The Liaodong Bay	1	Chinese Perspective on Risk Analysis and Crisis Response	NA
2112	Jolicoeur S; Giangioppi M; Berube D	2010	Response of bouctouche spit New Brunswick Canada to relative sea-level rise and storms from 1944 to 2000	Sediment Budget; Relative Sea-Level Rise; Storms; Sand Spit; Washovers; Storm Deltas	5	Geomorphologie-Relief Processus Environnement	NA
2113	Gens R	2010	Remote sensing of coastlines detection extraction and monitoring	NA	124	International Journal of Remote Sensing	10.1080/01431160902926673
1072	Güner H; Yüksel Y; Çevik E	2011	Determination of shoreline evolution: A case study	Case Studies; Shoreline Changes; Turkey	1	Coastal Engineering Practice - Proceedings of The 2011 Conference on Coastal Engineering Practice	10.1061/41190(422)60
1073	Al F A; Billa L; Pradhan B	2011	Semiautomated procedures for shoreline extraction using single Radarsat-1 SAR image	Coasts; Erosion Features; Imagery; Kuala Terengganu; Remote Sensing	52	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2011.10.009
1074	Rahman A; Dragoni D; El-Masri B	2011	Response of the Sundarbans coastline to sea level rise and decreased sediment flow: A remote sensing assessment	Accretion; Bengal Delta; Coastline Dynamics; Erosion;	102	Remote Sensing of Environment	10.1016/j.rse.2011.06.019

1075	Muslim A; Ismail K; Khalil I; Razman N; Zain K	2011	Detection of shoreline changes at Kuala Terengganu, Malaysia from multitemporal satellite sensor imagery	Aerial Photo; Multi-Resolution Imagery; Shoreline Change; Sub-Pixel Classification	6	34th International Symposium on Remote Sensing of Environment - The GEOSS Era: towards Operational Environmental Monitoring	NA
1076	Muslim A; Razman N; Khalil I; Zain K; Ismail K	2011	Evaluation of soft classification algorithm for subpixel mapping of the shoreline	Fuzzy Linear; Fuzzy Sigmoidal; Shoreline Mapping; Soft Classification; Sub Pixel	1	34th International Symposium on Remote Sensing of Environment - The Geoss Era: towards Operational Environmental Monitoring	NA
1077	Hegge B; Holloway K; Oliver M	2011	Coastal morphology modelling and management: Oakajee coast	Bypassing; Coastal Management; Coastal Modelling; Coastal Monitoring; Groyne	0	20th Australasian Coastal and Ocean Engineering Conference 2011 and The 13th Australasian Port and Harbour Conference 2011, Coasts and Ports 2011	NA

1078	Rajagopalan V; Ushanatesan U	2011	Delineation of shoreline changes using remote sensing and geographical information system	Accretion; Beach Slope; Erosion; Shoreline	0	International Journal of Applied Engineering Research	NA
1079	Liang P; Jan J	2011	Shoreline change detection using multitemporal remote sensing images	DMC; Image Classification; Shoreline Change Detection; SPOT-5	0	32nd Asian Conference on Remote Sensing 2011, ACRS 2011	NA
1080	Ngan N; Liu C; Uyen N	2011	Using Landsat images to observe coastline changes in Mekong river delta, Vietnam	Coastline Change; Landsat; Mekong River Delta; Remote Sensing; Vietnam	0	32nd Asian Conference on Remote Sensing 2011, ACRS 2011	NA
1081	Lee H; Kim I; Cho W; Yoon J	2011	Shoreline and sea bed change along Gangmun shore, South Korea	Echo-Sounding; Erosion and Accretion; Real-Time Kinematic GPS; Sea Bottom; Shoreline	1	Journal of Coastal Research	NA
1082	Gensac E; Lesourd S; Gardel A; Anthony E; Proisy C; Loisel H	2011	Short-term prediction of the evolution of mangrove surface areas: the example of the mud banks of Kourou and Sinnamary, French Guiana	Avicennia Germinans; Digital Elevation Model; Mud-Bank Elevation	15	Journal of Coastal Research	NA
1083	Krueger C; Soares C; Huinca S; Leandro D; Gonçalves R	2011	Satellite positioning on the coast of the Parana, Brazil	Coastal Mapping; GPS; Marine Positioning	2	Journal of Coastal Research	NA
1084	Pian S; Menier D	2011	The use of a geodatabase to carry out a multivariate analysis of coastline variations at various time and space scales	Coastline Variations; Spatial Analysis; Spatial Database	8	Journal of Coastal Research	NA
1085	Nunes M; Ferreira ; Loureiro C; Baily B	2011	Beach and cliff retreat induced by storm groups at Forte Novo, Algarve (Portugal)	Beach Levels; Coastal Erosion; Storm Impacts	13	Journal of Coastal Research	NA
1086	Tõnisson H; Suursaar ; Orviku K; Jaagus J; Kont A; Willis D; Riviis R	2011	Changes in coastal processes in relation to changes in large-scale atmospheric circulation, wave	Accumulation; Erosion; Hindcast; RDGP; Storm Surge; Storminess	26	Journal of Coastal Research	NA

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Estonia

1087	Splinter K; Strauss D; Tomlinson R	2011	Assessment of post-storm recovery of beaches using video imaging techniques: a case study at Gold Coast, Australia	Geophysical Measurements; Image Processing; Optical Image Processing; Remote Sensing	22	IEEE Transactions on Geoscience and Remote Sensing	10.1109/TGRS.2011.2136351
1088	Rankey E	2011	Nature and stability of Atoll island shorelines Gilbert island chain Kiribati Equatorial Pacific	Atoll; El Niño/Southern Oscillation; Kiribati; Longshore Transport; Pacific Ocean; Sea- Level Rise; Shoreline Change	84	Sedimentology	10.1111/j.1365- 3091.2011.01241.x
1089	Marghany M; Hashim M	2011	Modelling shoreline change using pointwise algorithm from different TOPSAR polarised bands	Air Borne TOPSAR; CVV; LHH; LVV Bands Polarization; Pointwise Method; Shoreline Change Rate; Statistical T- Test	0	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2011.604993 7
1090	Eom J; Choi J; Ryu J; Won J	2011	Monitoring of topographic change on the coastal area	LIDAR; Satellite Image; Shoreline Change; Time Series Analysis; Topographic Change	3	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2011.604936 2
1091	Stavrou A; Lawrence J; Mortimore R; Murphy W	2011	A geotechnical and GIS-based method for evaluating risk exposition along coastal cliff environments a case study of the Chalk cliffs of southern England	NA	13	Natural Hazards and Earth System Science	10.5194/nhess-11-2997-2011
1092	Vespremeanu-Stroe A; Tătuț F	2011	North-atlantic oscillation signature on coastal dynamics and climate variability of the Romanian Black sea coast	Climate Variability; Longshore Sediment Transport; Nao Index; Sea Level; Shoreline Change; Storminess; Wind Regime	11	Carpathian Journal of Earth and Environmental Sciences	NA

1093	Anongponyoskun M; Tharapan S; Doydee P; Choochit L	2011	Satellite images for detection of coastal land use and coastline change in Mueang Prachuap Khiri khan district Thailand during 1987- 2009	Coastal Land use; Coastline Change; Prachuap Khiri Khan District; Remote Sensing	2	Kasetsart Journal - Natural Science	NA
1094	Huisman C; Bryan K; Coco G; Ruessink B	2011	The use of video imagery to analyse groundwater and shoreline dynamics on a Dissipative beach	Beach Groundwater; Groundwater Seepage; Remote Sensing; Shoreline Detection; Video Imagery	23	Continental Shelf Research	10.1016/j.csr.2011.07.013
1095	Sulagna S; Poyyamoli G	2011	Between vulnerability and adaptations: a preliminary study on natural hazards, coastline change and environmental migration in Satabhaya Gram Panchayat, Orissa, India	Adaptations; Coastline Change; Environmental Migration; Livelihood; Livelihoods; Natural Hazards	0	International Journal of Earth Sciences and Engineering	NA
1096	Vousdoukas M; Ferreira P; Almeida L; Dodet G; PSARos F; Andriolo U; Taborda R; Silva A; Ruano A; Ferreira M	2011	Performance of intertidal topography video monitoring of a mesotidal reflective beach in south Portugal	Artificial Neural Networks; Coastal Erosion; Coastal Morphodynamics; NearShore; Remote Sensing; Video Monitoring	49	Ocean Dynamics	10.1007/s10236-011-0440-5
1097	Hereher M	2011	Mapping coastal erosion at the Nile delta western Promontory using Landsat imagery	Change Detection; Coastal Erosion; Remote Sensing; Rosetta	26	Environmental Earth Sciences	10.1007/s12665-011-0928-9
1098	Marghany M; Hashim M; Cracknell A	2011	Simulation of shoreline change using AIRSAR and POLSAR Cband data	AIRSAR; POLSAR; Quasi Linear; Shoreline Change; Wave Refraction; Wave Spectra	16	Environmental Earth Sciences	10.1007/s12665-011-0934-y

1099	Sundar V; Suresh P	2011	Simulation of shoreline evolution and estimation of alongshore sediment transport	Sediment Transport; Shoreline Changes; Simulation	0	Solutions to Coastal Disasters 2011 - Proceedings of The 2011 Solutions to Coastal Disasters Conference	10.1061/41185(417)19
1100	Yu J; Fu Y; Li Y; Han G; Wang Y; Zhou D; Sun W; Gao Y; Meixner F	2011	Effects of water discharge and sediment load on evolution of modern Yellow river delta China over the period from 1976 to 2009	NA	70	Biogeosciences	10.5194/bg-8-2427-2011
1101	Gao Y; Su F; Ping B; Liu P	2011	Spatial and temporal changes and the driving forces of coastline in China Bohai Gulf in recent 30 years	Bohai Gulf; Coastline; Driving Forces; Spatial and Temporal Changes	0	Proceedings - 2011 19th International Conference on Geoinformatics, Geoinformatics 2011	10.1109/GeoInformatics.2011.5981169
1102	Liu X	2011	The coastal erosion of the abandoned Yellow river delta in northern Jiangsu province, China based on analysis of remote sensing images	Coast Zone; Coastal Erosion; MNDWI; Remote Sensing; The Abandoned Yellow River (Huanghe) Delta	4	Proceedings - 2011 19th International Conference on Geoinformatics, Geoinformatics 2011	10.1109/GeoInformatics.2011.5980821
1103	Ji R; Lu Y; Zuo L	2011	Coastline change detection of the Bohai Bay using satellite remote sensing	Bohai Bay; Coastline Change; Harbor Construction; Remote Sensing	3	2011 International Conference on Remote Sensing, Environment and Transportation Engineering, Rsete 2011 - Proceedings	10.1109/RSETE.2011.5964242

1104	Li J; Zhang Y	2011	The change and analysis of coastline based on remote sensing measurement	Coastline; Human Activities; Remote Sensing	2	ICSDM 2011 - Proceedings 2011 IEEE International Conference on Spatial Data Mining and Geographical Knowledge Services	10.1109/ICSDM.2011.5969109
1105	Zheng G; Peng L; Tao G; Wang C	2011	Remote sensing analysis of Bohai Bay west coast shoreline changes	Bohai Bay West Coast; Object-Oriented Method; Remote Sensing Analysis Shoreline Changes; Water Index	5	ICSDM 2011 - Proceedings 2011 IEEE International Conference on Spatial Data Mining and Geographical Knowledge Services	10.1109/ICSDM.2011.5969106
1106	Zhang Y	2011	Coastal environmental monitoring using remotely sensed data and GIS techniques in the modern Yellow river delta China	Coastal Environmental Monitoring; Coastal Erosion/Accretion; GIS; Modern Yellow River Delta; Remote Sensing; Spatial-Temporal Changing Pattern	30	Environmental Monitoring and Assessment	10.1007/s10661-010-1716-9
1107	Arp C; Jones B; Urban F; Grosse G	2011	Hydrogeomorphic processes of thermokarst lakes with grounded-ice and floating-ice regimes on the Arctic coastal plain, Alaska	Arctic Coastal Plain; Lake Ice; Shoreline Erosion; Thermokarst Lakes; Water Balance	89	Hydrological Processes	10.1002/hyp.8019
1108	Heathfield D; Walker I	2011	Analysis of coastal dune dynamics shoreline position and large woody debris at wickaninnish Bay Pacific Rim national park, British Columbia	NA	28	Canadian Journal of Earth Sciences	10.1139/e11-043

1109	Kuleli T; Guneroglu A; Karsli F; Dihkan M	2011	Automatic detection of shoreline change on coastal Ramsar wetlands of Turkey	Coastal Erosion; Coastline Change; DSAS; Landsat	142	Ocean Engineering	10.1016/j.oceaneng.2011.05.006
1110	Shah C	2011	Automated lake shoreline mapping at subpixel accuracy	Change Detection; Edge Detection; Lake Mapping; Land-Cover/Land-Use Classification; Subpixel Edge Localization	12	IEEE Geoscience and Remote Sensing Letters	10.1109/LGRS.2011.2157951
1111	Chen X; Shearer P; Walter F; Fricker H	2011	Seventeen Antarctic seismic events detected by global surface waves and a possible link to calving events from satellite images	NA	21	Journal of Geophysical Research: Solid Earth	10.1029/2011JB008262
1112	Ping C; Michaelson G; Guo L; Jorgenson M; Kanevskiy M; Shur Y; Dou F; Liang J	2011	Soil carbon and material fluxes across the eroding Alaska Beaufort sea coastline	NA	72	Journal of Geophysical Research: Biogeosciences	10.1029/2010JG001588
1113	Cui B; Li X	2011	Coastline change of the Yellow river estuary and its response to the sediment and runoff 1976-2005	Accretion-Erosion; Coastline; Hydrological Characteristics; Remote Sensing; The Yellow River Estuary	126	Geomorphology	10.1016/j.geomorph.2010.12.001
1114	Zagórski P	2011	Shoreline dynamics of Calypsostranda NW Wedel Jarlsberg land Svalbard during the last century	Arctic; Coastal Zone; Sediment Supply; Shoreline Changes; Spitsbergen	26	Polish Polar Research	10.2478/v10183-011-0004-x
1115	Baptista P; Cunha T; Bernardes C; Gama C; Ferreira ; Dias A	2011	A precise and efficient methodology to analyse the shoreline displacement rate	Coastal Erosion; Frontal Dune Baseline; Frontal Dune Crestline; GPS; Management	22	Journal of Coastal Research	10.2112/09-1187.1
1116	Saranathan E; Chandrasekaran R; Manickaraj D; Kannan M	2011	Shoreline changes in Tharangampadi village Nagapattinam district, Tamil Nadu, India - a case study	GIS; GPS; Remote Sensing; Shoreline	18	Journal of The Indian Society of Remote Sensing	10.1007/s12524-010-0052-4

1117	White S; Parrish C; Calder B; Pe'Eri S; Rzhhanov Y	2011	Lidar-derived national shoreline empirical and stochastic uncertainty analyses	Empirical Measurements; Monte Carlo Simulation; National Shoreline; Stochastic Modeling; Topographic LIDAR; Uncertainty	33	Journal of Coastal Research	10.2112/SI-62-7
1118	Xhardé R; Long B; Forbes D	2011	Short-term beach and shoreface evolution on a cusplate foreland observed with airborne topographic and bathymetric Lidar	Empirical Measurements; Monte Carlo Simulation; National Shoreline; Stochastic Modeling; Topographic LIDAR; Uncertainty	12	Journal of Coastal Research	10.2112/SI-62-6
1119	El-Asmar H; Hereher M	2011	Change detection of the coastal zone east of the Nile delta using remote sensing	Change Detection; Nile Delta; Remote Sensing	94	Environmental Earth Sciences	10.1007/s12665-010-0564-9
1120	Kurosaki H; Yuhi M	2011	Development of coastal observation system using a network camera and its application to Hachigasaki beach, Japan	NA	0	Asian and Pacific Coasts, 2011 - Proceedings of The 6th International Conference	10.1142/9789814366489_0052
1121	Stancheva M; Marinski J; Peychev V; Palazov A; Stanchev H	2011	Long-term coastal changes of Varna Bay caused by anthropogenic influence	Coastal Defence Structures; Coastal Erosion; Coastal GIS; ICZM; Sand Beaches; Shoreline Modifications	2	Geo-Eco-Marina	NA
1122	Kokot R; Chomnalez F	2011	Retreat of the line of coast in las Grutas Río Negro province retroceso de la línea de costa en las grutas provincia de río negro	Coastal Erosion; Pleistocene Beach Ridges; Sea Level Fall; Shore Platform	9	Revista De La Asociacion Geologica Argentina	NA

1123	Dewidar K	2011	Monitoring temporal changes of the surface water area of the Burullus and Manzala lagoons using automatic techniques applied to a Landsat satellite data series of the Nile delta coast	Coastal Lagoon; Landsat; Nile Delta; Shoreline Position Extraction; Surface Area Changes	5	Mediterranean Marine Science	10.12681/mms.45
1124	Lee I; Park H; Lee J; Kim Y	2011	Delineating the natural features of a cadastral shoreline in South Korea using airborne laser scanning	Airborne Light Detection and Ranging (LIDAR); Approximate Higher High-Water Line (AHHWL); Cadastral Shoreline; Shoreline Extraction; Virtual Reference Station (VRS)	1	IEEE Journal of Selected topics In Applied Earth Observations and Remote Sensing	10.1109/JSTARS.2011.2161071
1125	Yu K; Hu C; Muller-Karger F; Lu D; Soto I	2011	Shoreline changes in west-central Florida between 1987 and 2008 from Landsat observations	NA	32	International Journal of Remote Sensing	10.1080/01431161.2010.535045
1126	Sheik M; Chandrasekar C	2011	A shoreline change analysis along the coast between Kanyakumari and Tuticorin India using digital shoreline analysis system	Accretion; Beach Nourishment; Coastal Zone Management; Erosion; Hazards	58	Geo-Spatial Information Science	10.1007/s11806-011-0551-7
1127	Hakkou M; Castelle B; Benmohammadi A; Zourarah B	2011	Wave climate and morphosedimentary characteristics of the Kenitrabouknadel sandy coast, Morocco	Beach State; Erosion; Longshore Drift; Wave Climate; Wave-Dominated Sandy Beaches	14	Environmental Earth Sciences	10.1007/s12665-011-0977-0
1128	Zhang Y	2011	Environmental monitoring of spatial-temporal changes using remote sensing and GIS techniques in the abandoned Yellow river delta coast China	Coastal Erosion; Remote Sensing; Spatial-Temporal Changing Pattern; Yellow River Delta	4	International Journal of Environment and Pollution	10.1504/IJEP.2011.040278
1129	Karsli F; Guneroglu A; Dihkan M	2011	Spatiotemporal shoreline changes along the southern Black sea coastal zone	Accretion; Coastal Degradation; Landsat; Management; Turkey	29	Journal of Applied Remote Sensing	10.1117/1.3624520

1130	Santra A; Mitra D; Mitra S	2011	Spatial modeling using high resolution image for future shoreline prediction along junput coast west Bengal India	Coastal Terrain Model; Dynamic Segmentation; End Point Rate Model	11	Geo-Spatial Information Science	10.1007/s11806-011-0522-z
1131	Basile G M; Maglione P; Parente C; Santamaria R	2011	Cartography and remote sensing for coastal erosion analysis	Accuracy; Coastal Erosion; GIS; High Resolution Remote Sensed Images; Historical Maps	14	Wit Transactions on Ecology and The Environment	10.2495/CP110061
1132	Boutiba M; Bouakline S	2011	Monitoring shoreline changes using digital aerial photographs quick-bird image and dGPS topographic survey case of the east coast of Algiers, Algeria	Aerial Photographs; Cartography; Coastal Erosion; dGPS; GIS; Quick-Bird; Shoreline (Changes)	4	European Journal of Scientific Research	NA
1133	Azarmsa S; Razmkhah F	2011	Determination of shoreline position in Pozm Bay using Landsat satellite data	Coastal Processes; Landsat; Oman Sea; Pozm Bay; Satellite; Shoreline Changes; Shoreline Position	0	Journal of The Earth and Space Physics	NA
1134	Maiti S; Bhattacharya A	2011	A three-unit-based approach in coastal-change studies using Landsat images	NA	5	International Journal of Remote Sensing	10.1080/01431160903439965
2069	Gontz A; Maio C; Wagenknecht E; Berkland E	2011	Assessing threatened coastal sites: applications of ground-penetrating radar and geographic information systems	LIDAR; Shoreline Change; Boston Harbor; Massachusetts; Cemetery; Islands	12	Journal of Cultural Heritage	10.1016/j.culher.2011.03.003

2076	Revell D; Dugan J; Hubbard D	2011	Physical and ecological responses of sandy beaches to the 1997-98 El Nino	Isla Vista; Santa Barbara; Goleta Beach; California; LIDAR; Shoreline Change; Beach Width; Beach Reorientation and Rotation; Erosion Wave; Storm Disturbance; Ecosystem-Based Management; Intertidal; Macrophyte Wrack; Invertebrate Macrofauna; Shorebird; Sanderling; Climate Change	25	Journal of Coastal Research	10.2112/JCOASTRES-D-09-00179.1
1020	Motevalli S; Mahdi H M; Derafshi K; Gharehchahi S; Ali A M	2012	Coastline change detection using remote sensing and GIS at Tonekabon coast area during 1984 and 2010 Mazandaran province, Iran	Coastline Change; Spatial Detection; TM and ETM+ SENSORS; Tonekabon City	0	Life Science Journal	NA
1021	Grudzinska I; Saarse L; Vassiljev J; Heinsalu A; Veski S	2012	A palaeo-coastline reconstruction for the Käsmu and Pärисpea Peninsulas northern Estonia over the last 4000 years käsmu ja pärispea poolsaare paleorannajoone rekonstruktsioonid	Diatoms; Estonia; Isostatic Land Uplift; Limnea Sea; Palaeogeography; Shoreline Displacement	5	Estonian Journal of Earth Sciences	10.3176/earth.2012.4.09
1022	Kandrot S	2012	Beachdune morphological relationships at Youghal beach Cork	Coastal Dunes; Erosion; LIDAR; Morphodynamics	2	Lecture Notes In Geoinformation and Cartography	10.1007/978-3-642-29063-3_20
1023	Azaz L	2012	Using GIS and remote sensing to map coastline changes of Wedamalsahel area Batinah, Oman between 1998 and 2008	Coastal Erosion; GIS; Hazard; Mapping; Remote Sensing	1	33rd Asian Conference on Remote Sensing 2012, ACRS 2012	NA

1024	Kaewpoo N; Nakhapakorn K; Pumijumnong N; Silapathong C	2012	The integration of GIS and mathematical model for shoreline prediction	Geo-Information Technology and Mathematical Model (LITPACK Model); Shoreline Change Prediction	2	33rd Asian Conference on Remote Sensing 2012, ACRS 2012	NA
1025	Samanta S; Pal B	2012	Shoreline changes along hansa and broken water Bay coastal tract of Papua New Guinea through remote sensing and GIS	Coastal Process and Shoreline Change; GIS; Remote Sensing	0	33rd Asian Conference on Remote Sensing 2012, ACRS 2012	NA
1026	Norman M; Ghazali N; Manaf A	2012	Shoreline siltation monitoring using remote sensing techniques: study area: Tg. Dawai, Kedah, Malaysia	Human Impacts; Monitoring Changes; Remote Sensing; Siltation	0	Chuser 2012 - 2012 IEEE Colloquium on Humanities, Science and Engineering Research	10.1109/CHUSER.2012.6504283
1027	Santos F; Pais-Barbosa J; Teodoro A; Gonçalves H; Baptista P; Moreira A; Veloso-Gomes F; Taveira-Pinto F; Gomes-Costa P; Lopes V; Neves-Santos F	2012	Coastal morphodynamic features-patterns analysis through a video based system and image processing	Coastal Zone; Morphology; Mozco; Portugal; Shoreline Detection; Video-Monitoring	5	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.974679
1028	Aktaş U; Can G; Vural F	2012	Edge-aware segmentation in satellite imagery: a case study of shoreline detection	NA	9	2012 IAPR Workshop on Pattern Recognition In Remote Sensing, PRRS 2012	10.1109/PPRS.2012.6398319
1029	Tonisson H; Suursaar U; Kont A	2012	Maps, aerial photographs, orthophotos and GPS data as a source of information to determine shoreline changes, coastal geomorphic processes and their relation to hydrodynamic conditions on Osmussaar island, the Baltic sea	Baltic Sea; Coastal Erosion; Hydrodynamic Conditions; Shoreline Changes	2	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2012.6350382

1030	Bagdanavičiute I; Kelpšaitė L; Daunys D	2012	Assessment of shoreline changes along the Lithuanian Baltic sea coast during the period 1947-2010	Accumulation; Aerial Photography; Digital Shoreline Analysis System; Erosion; Shoreline Change; Southeastern Baltic Sea	14	Baltica	10.5200/baltica.2012.25.17
1031	Senthilnathan L; Nobi E; Thangaradjou T; Kannan L	2012	Long-time shoreline monitoring of the Vellar estuarine complex southeast coast of India: using multispectral satellite data	Estuary; Geomorphology; India; IRS-P6 LISS III; Shoreline; Tsunami	3	Journal of Earth Science	10.1007/s12583-012-0304-z
1032	Goncalves R; Awange J; Krueger C; Heck B; Coelho L	2012	A comparison between three short-term shoreline prediction models	NA	30	Ocean and Coastal Management	10.1016/j.ocecoaman.2012.07.024
1033	Restrepo J; Otero L; Casas A; Henao A; Gutiérrez J	2012	Shoreline changes between 1954 and 2007 in the marine protected area of the Rosario Island archipelago (Caribbean of Colombia)	NA	23	Ocean and Coastal Management	10.1016/j.ocecoaman.2012.07.027
1034	Yang B; Hwang C; Cordell H	2012	Use of Lidar shoreline extraction for analyzing revetment rock beach protection: a case study of Jekyll island state park, USA	NA	16	Ocean and Coastal Management	10.1016/j.ocecoaman.2012.06.007
1035	Ellison J; Zouh I	2012	Vulnerability to climate change of mangroves assessment from Cameroon central Africa	Elevation; Geographic Information Systems; Mangroves; Pollen Analysis; Sea-Level Rise; Shoreline Change; Vulnerability	49	Biology	10.3390/biology1030617

1036	Aubry A; Gardel A; Jeanson M; Lesourd S	2012	Improvement of the digital modelling of an intertidal foreshore of the north sea coast of France by the contribution of remote sensing the shoreline detection method amélioration de la modélisation numérique de terrain sur un estran intertidal de la mer du nord par l'apport de la télédétection spatiale the shoreline detection method	FORMOSAT-2; Macrotidal; Shoreline; SPOT5; Topography; Waterlines	1	Teledetection	NA
1037	Chaaban F; Darwishe H; Battiau-Queney Y; Louche B; Masson E; Khattabi J; Carlier E	2012	Using ArcGIS (R) modelbuilder and aerial photographs to measure coastline retreat and advance: north of France	Aerial Photographs; ARCGIS; Coastal Erosion; GIS; Linear Features; Modelbuilder; Northern France; Shoreline Change	19	Journal of Coastal Research	10.2112/JCOASTRES-D-11-00054.1
1038	Frihy O; Deabes E	2012	Erosion chain reaction at el alamein resorts on the western Mediterranean coast of Egypt	Alexandria; Carbonate Ridges; Carbonate Sand; Perched Beach; Satellite Images; Wave-Induced Current	8	Coastal Engineering	10.1016/j.coastaleng.2012.05.009
1039	Alberico I; Amato V; Aucelli P; D'Argenio B; Di P G; Pappone G	2012	Historical shoreline change of the Sele plain (southern Italy): the 1870-2009 time window	Coastal Erosion; Geographic Information System Analysis; Sele Coastal Area; Shoreline Variation; Southern Italy	31	Journal of Coastal Research	10.2112/JCOASTRES-D-10-00197.1
1040	Tunji L; Hashim A; Yusof K	2012	Shoreline response to three submerged offshore breakwaters along Kerteh Bay coast of Terengganu	Aerial/Satellite Imagery; Coastal Erosion; Numerical Modeling; Predictive Model; Submerged Breakwater	7	Research Journal of Applied Sciences, Engineering and Technology	NA

1041	Natesan U; ParthaSARathy A	2012	Extent of inundation on tsunami 2004 along Vedaranyam, Nagapattinam district, east coast of India	East Coast; Indian Ocean; Inundation; Tsunami	0	Disaster Advances	NA
1042	Kusimi J; Dika J	2012	Sea erosion at Ada Foah assessment of impacts and proposed mitigation measures	Ada Foah; Coastal Mapping; Sea Erosion; Shoreline Change Analysis; Shoreline Recession	8	Natural Hazards	10.1007/s11069-012-0216-3
1043	Huo D; Feng Y; Song L	2012	Mapping shoreline of Hangzhou Bay with remote sensing images from 1979 to 2005	Fractal Dimension; GIS; Hangzhou Bay; Remote Sensing; Shoreline	2	2012 2nd International Conference on Remote Sensing, Environment and Transportation Engineering, RSETE 2012 - Proceedings	10.1109/RSETE.2012.6260621
1044	Zhang Y; Feng Y; Chen Y	2012	Detecting coastal and shoreline change in north branch of Yangtze river based on remote sensing	Coastal Change; Density Segmentation; North Branch of Yangtze River; Remote Sensing; Shoreline	0	2012 2nd International Conference on Remote Sensing, Environment and Transportation Engineering, Rsete 2012 - Proceedings	10.1109/RSETE.2012.6260529
1045	Aly M; Giardino J; Klein A; Zebker H	2012	InSAR study of shoreline change along the Damietta Promontory, Egypt	Accretion; Erosion; Nile Delta; Synthetic Aperture Radar Interferometry	5	Journal of Coastal Research	10.2112/JCOASTRES-D-11-00182.1

1046	Almar R; Ranasinghe R; Snchal N; Bonneton P; Roelvink D; Bryan K; Marieu V; Parisot J	2012	Video-based detection of shorelines at complex meso-macro tidal beaches	Intertidal Beach Morphology; Mesoamacro Tidal Environment; Shoreline; Swash; Truc Vert Beach; Video Imaging	34	Journal of Coastal Research	10.2112/JCOASTRES-D-10-00149.1
1047	Ryabchuk D; Spiridonov M; Zhamoida V; Nesterova E; Sergeev A	2012	Long term and short term coastal line changes of the eastern Gulf of Finland. Problems of coastal erosion	Coastal Erosion; Eastern Gulf of Finland	9	Journal of Coastal Conservation	10.1007/s11852-010-0105-4
1048	Boateng I	2012	An application of GIS and coastal geomorphology for large scale assessment of coastal erosion and management: A case study of Ghana	Coastal Erosion; Detecting Coastal Recession; Ghana's Coastline; GIS Application and Coastal Management	39	Journal of Coastal Conservation	10.1007/s11852-012-0209-0
1049	Pardo-Pascual J; Almonacid-Caballer J; Ruiz L; Palomar-Vázquez J	2012	Automatic extraction of shorelines from Landsat TM and ETM multitemporal images with subpixel precision	Beach Management; Coastal Processes; Landsat Images; Shoreline Subpixel Detection	167	Remote Sensing of Environment	10.1016/j.rse.2012.02.024
1050	Aktaş R; Can G; Vural F	2012	A robust approach for shoreline detection in satellite imagery uydu görüntülerinde kıyı eridini n tespiti için gürbüz bir yöntem	NA	1	2012 20th Signal Processing and Communications Applications Conference, Siu 2012, Proceedings	10.1109/SIU.2012.6204797
1051	Halouani N; Fathallah S; Gueddari M	2012	Beach and nearshore morphodynamic changes of the Tabarka coast northwest of Tunisia	Coastal Evolution; Erosion; Grain Size Distribution; Seabed Change; Tabarka-Berkoukech; Tunisia; Wave Simulation	6	Environmental Earth Sciences	10.1007/s12665-011-1312-5

1052	Virdis S; Oggiano G; Disperati L	2012	A geomatics approach to multitemporal shoreline analysis in western Mediterranean: the case of platamonamaritza beach (northwest Sardinia, Italy)	Accuracy Assessment; Coastal Erosion; Data Integration; Erosion Rate; GPS; Laser Scanning; LIDAR; Multitemporal Analysis; Photogrammetry	25	Journal of Coastal Research	10.2112/JCOASTRES-D-11- 00078.1
1053	Luque I; Aguilar T F; Aguilar T M; Prez G J; Arenas A	2012	A new robust and accurate method to extract tide- coordinated shorelines from coastal elevation models	Coastal Erosion- Accretion; Cross- Shore Profile.; Digital Elevation Model; Extrapolation Method; LIDAR; Remote Sensing; Shoreline Analysis; Shoreline Change; Shoreline Definition; Shoreline Detection	6	Journal of Coastal Research	10.2112/JCOASTRES-D-11- 00107.1
1054	United S G S U	2012	National assessment of shoreline change historical shoreline change along the New England and midatlantic coasts	NA	0	Vulnerable U.S. Shorelines and Coasts: Select Assessments	NA
1055	Jackson J C; Alexander C; Bush D	2012	Application of the AMBUR R package for spatiotemporal analysis of shoreline change Jekyll island Georgia, USA	Coastline; Erosion; Forecast; GIS; Movement; Program; Rate	48	Computers and Geosciences	10.1016/j.cageo.2011.08.009
1056	Li J; Zhang Y	2012	Analysis of coastline change based on remote sensing measurement	Coastline Change; Progradation and Erosion Change; Remote Sensing Measurement; Sheyang Estuary; Tidal Flat Resources Exploitation	7	Journal of Hohai University	10.3876/j.issn.1000- 1980.2012.02.019

1057	Nebel S; Trembanis A; Barber D	2012	Shoreline analysis and barrier island dynamics decadal scale patterns from Cedar Island, Virginia	Barrier Islands; Coastal Retreat; Eastern Shore; Erosion Rate; Shoreline Mapping; Virginia; Wachapreague	18	Journal of Coastal Research	10.2112/JCOASTRES-D-10-00144.1
1058	Parrish C	2012	Shoreline mapping	NA	5	Advances In Mapping From Remote Sensor Imagery: Techniques and Applications	10.1201/b13770
1059	Chen W; Kuo H	2012	Historical shoreline change in hualien coast	Coastal Erosion; GIS; Image; Shoreline Change	0	6th Chinese-German Joint Symposium on Hydraulic and Ocean Engineering, Cgjoint 2012	NA
1060	Xing L; Yun-Xuan Z; Lian-Peng Z; Run-Yuan K	2012	Evaluating longshore sediment transport rates by integration of beach evolution model and GIS approach	End Point Rate; Geographical Information System; Longshore Sediment Transport Rate; Muddy Coast; One-Line Model	2	Indian Journal of Geo-Marine Sciences	NA
1061	Lin H; Chu F; Huang Y	2012	The beach degradation and sustainable management of the sandy coast the Yilan coast of northeastern, Taiwan	Beach Degradation; Beach Morphology; Coastal Management; GIS; Shoreline Change	0	Wit Transactions on Ecology and The Environment	10.2495/ISLANDS120161
1062	Mukhopadhyay A; Mukherjee S; Mukherjee S; Ghosh S; Hazra S; Mitra D	2012	Automatic shoreline detection and future prediction: a case study on puri coast Bay of Bengal, India	EPR Model; Erosion; India; Orissa; Puri; Shoreline Prediction	54	European Journal of Remote Sensing	10.5721/EuJRS20124519

1063	Starek M; Vemula R; Slatton K	2012	Probabilistic detection of morphologic indicators for beach segmentation with multitemporal Lidar measurements	Divergence; Light Detection and Ranging (LIDAR); Pattern Classification; Shoreline Erosion	7	IEEE Transactions on Geoscience and Remote Sensing	10.1109/TGRS.2012.2191559
1064	Touré B; Kouamé K; Souleye W; Collet C; Affian K; Ozer A; Rudant J; Biémi J	2012	The influence of anthropic actions in the historical coastal evolution of a sandy coast with high sediment drift: the Bay of Port-Bouet (Abidjan, Ivory Coast) linfluence des actions anthropiques dans lévolution historique dun littoral sableux à forte dérive sédimentaire la baie de portbouët abidjan côte divoire	Beach Erosion; Coastal Zone; Ivory Coast; Management; Remote Sensing	7	Geomorphologie: Relief, Processus, Environnement	10.4000/geomorphologie.9990
1065	Liu Y; Huang H; Qiu Z; Chen J; Yang X	2012	Monitoring change and position of coastlines from satellite images using slope correction in a tidal flat: a case study in the Yellow river delta	Coastline; Erosion and Accretion; Gradient of Tidal Flat; Remote Sensing; Yellow River Delta	4	Dili Xuebao/Acta Geographica Sinica	NA
1066	Ahmad S; Lakhan V	2012	GIS-based analysis and modeling of coastline advance and retreat along the coast of Guyana	Coastal Advance and Retreat; Digital Shoreline Analysis System; Geographical Information Systems; Mudbanks; Remote Sensing	25	Marine Geodesy	10.1080/01490419.2011.637851
1067	Yang B; Madden M; Kim J; Jordan T	2012	Geospatial analysis of barrier island beach availability to tourists	Beach Availability; Coastal Tourism; GIS; LIDAR; Shoreline Change	31	tourism Management	10.1016/j.tourman.2011.08.013

1068	Kratzmann M; Hapke C	2012	Quantifying anthropogenically driven morphologic changes on a barrier island: fire island national seashore, New York	Anthropogenic; Barrier Island; Beach Erosion; Beach Profile; Beach Scraping; Beach Volume; Fire Island; Long Island; Shore Protection; Shoreline Change; U.S. National Parks	16	Journal of Coastal Research	10.2112/JCOASTRES-D-10-00012.1
1069	Ford M	2012	Shoreline changes on an urban Atoll in the central Pacific ocean: Majuro Atoll, Marshall island	Anthropogenic Impacts; Erosion; Pacific Ocean; Reclamation; Shoreline Change	105	Journal of Coastal Research	10.2112/JCOASTRES-D-11-00008.1
1070	Gorokhovich Y; Leiserowiz A	2012	Historical and future coastal changes in northwest Alaska	Alaska; Coastal Erosion; Coastal Geomorphology; Shoreline Change	15	Journal of Coastal Research	10.2112/JCOASTRES-D-11-00031.1
1071	Maio C; Gontz A; Tenenbaum D; Berkland E	2012	Coastal hazard vulnerability assessment of sensitive historical sites on Rainsford island, Boston harbor, Massachusetts	Coastal Management; Cultural Resources; Erosion; LIDAR; Sea-Level Rise; Shoreline Change	29	Journal of Coastal Research	10.2112/JCOASTRES-D-10-00104.1
2035	Chaaban F; Darwishe H; Battiau-Queney Y; Louche B; Masson E; El K J; Carlier E	2012	Using ArcGIS ® modelbuilder and aerial photographs to measure coastline retreat and advance: north of France	GIS; Shoreline Change; ARCGIS; Modelbuilder; Aerial Photographs; Coastal Erosion; Linear Features; Northern France	15	Journal of Coastal Research	10.2112/JCOASTRES-D-11-00054.1
2038	Hamylton S; East H	2012	A geospatial appraisal of ecological and geomorphic change on Diego Garcia Atoll, Chagos islands (British Indian ocean territory)	Chagos Islands; Shoreline; Change Detection; Benthic Habitat	21	Remote Sensing	10.3390/rs4113444
2045	Toure B; Kouame K; Souleye W; Collet C; Affian K; Ozer A; Rudant J; Biemi J	2012	The influence of anthropic actions in the historical coastal evolution of a sandy coast with high sediment drift: the Bay of Portbouet, Abidjan, Ivory Coast	Coastal Zone; Beach Erosion; Remote Sensing; Management; Ivory Coast	0	Geomorphologie-Relief Processus Environnement	NA

2051	Smith M; Cromley R	2012	Measuring historical coastal change using GIS and the change polygon approach	NA	26	Transactions In GIS	10.1111/j.1467-9671.2011.01292.x
957	Da S L; Gonçalves R; Da S L M; De S P	2013	Fuzzy modeling applied to coastal erosion vulnerability detection modelagem fuzzy aplicada na detecção da vulnerabilidade à erosão costeira	Coastal Mapping; Fuzzy Modeling; Shoreline; Vulnerability To Coastal Erosion	10	Boletim De Ciencias Geodesicas	10.1590/S1982-217020130004000014
958	Braga F; Tosi L; Prati C; Alberotanza L	2013	Shoreline detection capability of cosmoskymed and high-resolution multispectral images	Cosmo-Skymed; Morphological Model; Multispectral Images; Shoreline; Tidal Level; Venice	19	European Journal of Remote Sensing	10.5721/EuJRS20134650
959	Stanchev H; Young R; Stancheva M	2013	Integrating GIS and high resolution orthophoto images for the development of a geomorphic shoreline classification and risk assessment: aa case study of cliffbluff erosion along the Bulgarian coast	Bulgaria; Coastal Erosion; Coastline Segmentation; GIS; Orthophoto Images	17	Journal of Coastal Conservation	10.1007/s11852-013-0271-2
960	Ge L; Li X; Wu F; Turner I	2013	Coastal erosion mapping through intergration of SAR and Landsat TM imagery	Coastal Erosion Mapping; Landsat TM; Linear Spectral Unmixing; SAR Imagery; Shoreline Extraction; Sub-Pixel Technique	4	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2013.6723269
961	Lan P; Son T; Gunasekara K; Nhan N; Hien L	2013	Application of remote sensing and GIS technology for monitoring coastal changes in estuary area of the Red river system, Vietnam	Coastal Erosion; Coastal Line Extraction; Coastal Morphological; Sand Bar Movement	4	Journal of The Korean Society of Surveying Geodesy Photogrammetry and Cartography	10.7848/ksgpc.2013.31.6-2.529

962	Tibbetts J; Van P D	2013	Development of a relative coastal vulnerability index in a macrotidal environment for climate change adaptation	Coastal Vulnerability Assessment; Geographic Information System; Python Scripting; Shoreline; Stormsurge	15	Journal of Coastal Conservation	10.1007/s11852-013-0277-9
963	Danial D; Jusoff K; Asmidar A; Hamsiah H; Syah C	2013	Analysis of coastline changes using satellite image data at Tanjung Bunga, Makassar south Sulawesi	Reclamation; Remote Sensing; Satellite Image; Tanjung Bunga	0	World Applied Sciences Journal	10.5829/idosi.wasj.2013.26.nrrdsi.26007
964	Saxena S; Geethalakshmi V; Lakshmanan A	2013	Development of habitation vulnerability assessment framework for coastal hazards: Cuddalore coast in Tamil Nadu, India - a case study	Coastal Habitation; Coastline Change; Composite Vulnerability Index; Hazard Mapping	23	Weather and Climate Extremes	10.1016/j.wace.2013.10.001
965	Sheik M P; Chandrasekar N	2013	Coastal erosion hazard and vulnerability assessment for southern coastal Tamil Nadu of India by using remote sensing and GIS	Climate Change; Coastal Zone Management; Sea-Level Rise; Vulnerability	51	Natural Hazards	10.1007/s11069-011-9962-x
966	Bayram B; Seker D; Acar U; Yuksel Y; Guner H; Cetin I	2013	An integrated approach to temporal monitoring of the shoreline and basin of Terkos lake	Automatic Shoreline Extraction; Coastal Monitoring; Image Processing; Object-Oriented Classification; Remote Sensing	17	Journal of Coastal Research	10.2112/JCOASTRES-D-12-00084.1
967	Earlie C; Masselink G; Russell P; Shail R	2013	Sensitivity analysis of the methodology for quantifying cliff erosion using airborne Lidar - examples from Cornwall, UK	Digital Elevation Model; Hard-Rock Coastline; Root Mean Squared Error; Shoreline Management Plan	9	Journal of Coastal Research	10.2112/SI65-080
968	Jayson-Quashigah P; Addo K; Kodzo K	2013	Medium resolution satellite imagery as a tool for monitoring shoreline change: Case study of the eastern coast of Ghana	Aster; Coastal Erosion; DSAS; Keta Sea Defence Project; Landsat	37	Journal of Coastal Research	10.2112/SI65-087
969	Cho J; Cho J; Yun H; Kim T; Kim C	2013	A study of shoreline changes in Antarctica terra nova Bay based on SAR data	Antarctica; Ortho-Rectification Image;	0	Journal of Coastal Research	10.2112/SI65-355

SAR; Shoreline
Changes

970	Kim I; Lee H; Song D	2013	Time series analysis of shoreline changes in Gonghyunjin and Songjiho beaches, South Korea using aerial photographs and remotely sensed imagery	Aerial Photographs; Beach Width; IKONOS Image; Plane Area; Shoreline Change	9	Journal of Coastal Research	10.2112/SI65-239
971	Albuquerque M; Espinoza J; Teixeira P; De O A; Corrêa I; Calliari L	2013	Erosion or coastal variability an evaluation of the DSAS and the change polygon methods for the determination of erosive processes on sandy beaches	Coastal Erosion; Coastal Variability; GPS-RTK; Satellite Images	22	Journal of Coastal Research	10.2112/SI65-289
972	Del R L; Gracia F; Benavente J	2013	Morphological and evolutionary classification of sandy beaches in Cadiz coast SW Spain	Aerial Photographs; Beach Classification; Coastal Erosion; Coastal Geomorphology; Gulf of Cadiz; Shoreline Changes	6	Journal of Coastal Research	10.2112/SI65-357
973	Kim I; Lee H; Cho W; Song D	2013	Shoreline changes due to groin construction in Namae and Sodol beaches, South Korea	Beach Erosion; Beach Width; Groin Construction; Littoral Drift Cell; Plane Area; Shoreline Changes	4	Journal of Coastal Research	10.2112/SI65-360
974	Mole M; Mortlock T; Turner I; Goodwin I; Splinter K; Short A	2013	Capitalizing on the surfcam phenomenon a pilot study in regional-scale shoreline and inshore wave monitoring utilizing existing camera infrastructure	Coastal Imaging; Coastal Monitoring; Coastalcoms; Daily Beach Variability; Image Processing; Internet Protocol Cameras; Low Mounted Cameras	14	Journal of Coastal Research	10.2112/SI65-242
975	SARwar M; Woodroffe C	2013	Rates of shoreline change along the coast of Bangladesh	Bangladesh; Bay of Bengal; Delta; Landsat Imagery; Shoreline Change; Sundarbans	78	Journal of Coastal Conservation	10.1007/s11852-013-0251-6

976	Jana A; Bhattacharya A	2013	Assessment of coastal erosion vulnerability around Midnapurbalasore coast, eastern India using integrated remote sensing and GIS techniques	Coastal Erosion; Coastal Vulnerability Index; Imminent Collapse Zone (ICZ); Landsat Data; Land use; Population	29	Journal of The Indian Society of Remote Sensing	10.1007/s12524-012-0251-2
977	Yao Z; Xiao J; Ta W; Jia X	2013	Planform channel dynamics along the Ningxiainner Mongolia reaches of the Yellow river from 1958 to 2008 analysis using Landsat images and topographic maps	Channel Planform Dynamics; Channel Shifting; Inner Mongolia; Ningxia; Yellow River	28	Environmental Earth Sciences	10.1007/s12665-012-2106-0
978	Aiello A; Canora F; Pasquariello G; Spilotro G	2013	Shoreline variations and coastal dynamics a spacetime data analysis of the Jonian littoral, Italy	Basilicata Region; Coastal Erosion; DSAS; Italy; Jonian Littoral; Shoreline Variations	39	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2013.06.012
979	Neelamani S; Uddin S	2013	Erosion and accretion index for Kuwaiti coast	Accretion; Coastline Evolution; Erosion; Kuwaiti Shoreline; Natural and Manmade Coastal Changes; Remote Sensing; Stable Coast	3	International Journal of Environmental Research	NA
980	Del R L; Gracia F; Benavente J	2013	Shoreline change patterns in sandy coasts: A case study in SW Spain	Aerial Photographs; Beach Changes; Beach Morphology; Coastal Erosion; Gulf of Cadiz	74	Geomorphology	10.1016/j.geomorph.2012.07.027
981	Umar Z; Akib W; Ahmad A	2013	Monitoring shoreline change using remote sensing and GIS: A case study of Padang coastal area Indonesia	GIS; Monitoring; Remote Sensing; Sediment; Shoreline	4	Proceedings - 2013 IEEE 9th International Colloquium on Signal Processing and Its Applications, CSPA 2013	10.1109/CSPA.2013.6530056

982	Wang Y; Hou X; Shi P; Yu L	2013	Detecting shoreline changes in typical coastal wetlands of Bohai Rim in north China	Coastal Wetlands; Ecology; Remote Sensing; Shoreline Change	9	Wetlands	10.1007/s13157-013-0418-9
983	Ford M	2013	Shoreline changes interpreted from multitemporal aerial photographs and high resolution satellite images Wotje Atoll, Marshall Islands	Atoll Islands; Sea Level Rise; Shoreline Change	169	Remote Sensing of Environment	10.1016/j.rse.2013.03.027
984	Yates M; Le C G; Garcin M; Salaï E; Walker P	2013	Multidecadal Atoll shoreline change on Manihi and Manuae French Polynesia	Climate Change; Erosion; Sea-Level Rise; South Pacific	54	Journal of Coastal Research	10.2112/JCOASTRES-D-12-00129.1
985	Biribo N; Woodroffe C	2013	Historical area and shoreline change of reef islands around Tarawa Atoll kiribati	Atoll; Kiribati; Sea-Level Rise; Shoreline Change; Tarawa Atoll	64	Sustainability Science	10.1007/s11625-013-0210-z
986	Eulie D; Walsh J; Corbett D	2013	high-resolution analysis of shoreline change and application of balloon-based aerial photography Albemarle Pamlico estuarine system North Carolina USA	NA	15	Limnology and Oceanography: Methods	10.4319/lom.2013.11.151
987	Mitsova D; Wissinger F; Esnard A; Shankar R; Gies P	2013	A collaborative geospatial shoreline inventory tool to guide coastal development and habitat conservation	Coastal Planning; Collaborative Mapping; Esri Geoportal Server; Geovisualization; Participatory GIS	5	ISPRS International Journal of Geo-Information	10.3390/ijgi2020385
988	Choudhary R; Gowthaman R; Sanil K V	2013	Shoreline change detection from Karwar to Gokarna south west coast of India using remotely sensed data	Geomorphology; Remote Sensing; Shoreline Changes	6	International Journal of Earth Sciences and Engineering	NA
989	Indiveri A; Marsico A; Pennetta L	2013	Erosion hazard assessment along the Capitolo coast Monopoli southern Italy	Apulia; Coast; Erosion; GIS; Hazard	0	Journal of Maps	10.1080/17445647.2013.777857
990	Natesan U; Thulasiraman N; Deepthi K; Kathiravan K	2013	Shoreline change analysis of Vedaranyam coast Tamil Nadu India	Accretion; Erosion; Shoreline Change; Tsunami 2004; Vedaranyam Coast	21	Environmental Monitoring and Assessment	10.1007/s10661-012-2928-y

991	Kunte P; Alagarsamy R; Hursthouse A	2013	Sediment fluxes and the littoral drift along northeast andhra pradesh coast India estimation by remote sensing	Andhra Pradesh; India; Pollutants; Remote Sensing; Sediment Transport; Suspended Particulate Matter	9	Environmental Monitoring and Assessment	10.1007/s10661-012-2934-0
992	Romine B; Fletcher C	2013	A summary of historical shoreline changes on beaches of Kauai, Oahu and Maui Hawaii	Coastal Erosion; DSAS; National Assessment of Shoreline Change; Pacific Islands; Shoreline Recession	36	Journal of Coastal Research	10.2112/JCOASTRES-D-11-00202.1
993	Al-Hatrushi S	2013	Monitoring of the shoreline change using remote sensing and GIS: A case study of Al Hawasnah tidal inlet al Batinah coast sultanate of Oman	Coastal Change Detection; Coastal Erosion; Coastal Geomorphology; Tidal Inlets; Wadi Outlet	23	Arabian Journal of Geosciences	10.1007/s12517-011-0424-2
994	Dulanya Z; Reed J; Trauth M	2013	Mapping changing shorelines in the Malombe and Chiuta lakes of malawienvironmental effects of recent climatic variations	ENSO/IOD; Lake Chiuta; Lake Malombe; Lake-Area	7	Catena	10.1016/j.catena.2012.10.016
995	Chu Z; Yang X; Feng X; Fan D; Li Y; Shen X; Miao A	2013	Temporal and spatial changes in coastline movement of the Yangtze delta during 19742010	Human Impacts; Shoreline Change; Yangtze (Changjiang) Delta	47	Journal of Asian Earth Sciences	10.1016/j.jseaes.2013.01.002
996	Mujabar P; Chandrasekar N	2013	Shoreline change analysis along the coast between Kanyakumari and Tuticorin of India using remote sensing and GIS	Accretion; Beach Nourishment; Coastal Zone Management; Erosion; Hazards	78	Arabian Journal of Geosciences	10.1007/s12517-011-0394-4
997	Sagoe-Addy K; Appeaning A K	2013	Effect of predicted sea level rise on tourism facilities along Ghana's Accra coast	Coast of Accra; Coastal Erosion; Mean Sea Level; Tourism Facilities; Vulnerability	32	Journal of Coastal Conservation	10.1007/s11852-012-0227-y
998	Appeaning A K	2013	Shoreline morphological changes and the human factor: case study of Accra, Ghana	Erosion; Land Squeeze; Sea Level Rise; Shoreline; Shoreline Change	25	Journal of Coastal Conservation	10.1007/s11852-012-0220-5

999	Sertel E; Seker D	2013	Determination of human induced coastal changes using RS, GIS and geostatistics	Coastal Erosion; Geographic Information System; Geostatistical Method; Thematic Mapper	0	Coastal Research Library	10.1007/978-94-007-5234-4_3
1000	Appeaning-Addo K; Lamptey E	2013	Innovative technique of predicting shoreline change in developing countries case of Accra erosion and causal factors	Coastal Erosion; Littoral Drift; Root Mean Square Error; Shoreline Change; Shoreline Position	3	Coastal Research Library	10.1007/978-94-007-5234-4_14
1001	Jeong S; Khim B; Kim B; Lee S	2013	Shorelinechange rates of the barrier islands in Nakdong river estuary using aerial photography and SPOT-5 image	Aerial Photograph; Barrier Islands; Nakdong River Estuary; Satellite Image; Shoreline Change	3	Ocean and Polar Research	10.4217/OPR.2013.35.1.001
1002	Xu J; Zhang Z; Zuo L; Wen Q; Liu B	2013	Temporal and spatial analysis of coastline changes in the Bohai Rim based on RS and GIS	Coastline; Remote Sensing; The Bohai Rim	1	International Conference on Remote Sensing, Environment and Transportation Engineering, Rsete 2013	10.2991/rsete.2013.177
1003	Yang H; Wang Y; Wei J	2013	Implementation of the evaluation system of coastline change and stability on Yellow river estuary	Coastline Change; GIS; RS; Stability Evaluation; Yellow River Estuary	1	International Conference on Remote Sensing, Environment and Transportation Engineering, Rsete 2013	10.2991/rsete.2013.145

1004	Shan C; Wang J	2013	The monitoring and analysis of the Moye island seas using situation based on remote sensing	Classification; Monitor; Remote Sensing; Sea Island; Shoreline	0	International Conference on Remote Sensing, Environment and Transportation Engineering, Rsete 2013	NA
1005	Sun W; Zhang J; Ren G; Ma Y; Ni S	2013	Coastline remote sensing monitoring and change analysis of Laizhou Bay from 1978 to 2009	Coastline; Laizhou Bay; Remote Sensing	1	International Conference on Remote Sensing, Environment and Transportation Engineering, Rsete 2013	NA
1006	Lin L; Pan Z; Xiao K; Ye N	2013	The coastline extraction for Fujian province based on long time series of remote sensing image	Canny; Coastline Extraction; Edge Detection; GIS; Idl&Envi	2	International Conference on Remote Sensing, Environment and Transportation Engineering, Rsete 2013	NA
1007	Ramzi A; Khder W; Omran R; Fatih N	2013	Coastal line and coastal area changes of Ras Suder district south Sinai Governorate, Egypt	Change Detection; Coast Line; GIS.; Remotely Sensed Data	0	34th Asian Conference on Remote Sensing 2013, ACRS 2013	NA
1008	Jewell P; Bruhn R	2013	Evaluation of wasatch fault segmentation and slip rates using lake Bonneville shorelines	NA	12	Journal of Geophysical Research: Solid Earth	10.1002/jgrb.50174

1009	Chowdhury S; Tripathi N	2013	Coastal erosion and accretion in Pak Phanang Thailand by GIS analysis of maps and satellite imagery	Coastal; Erosion-Accretion; GIS; Remote Sensing; Shoreline Dynamics	4	Songklanakarin Journal of Science and Technology	NA
1010	Ojala A; Palmu J; Åberg A; Åberg S; Virkki H	2013	Development of an ancient shoreline database to reconstruct the Litorina sea maximum extension and the highest shoreline of the Baltic sea basin in Finland	Baltic Sea; Data Bases; Digital Terrain Models; Finland; Highest Shoreline; Holocene; Lakes; Litorina Sea; Raised Beaches; Sea-Level Changes; Uplifts; Weichselian	31	Bulletin of The Geological Society of Finland	10.17741/bgsf/85.2.002
1011	Wang X; Zhang H; Fu B; Shi A	2013	Analysis on the coastline change and erosion-accretion evolution of the Pearl river estuary China based on remote sensing images and nautical charts	Remote-Sensing Image; Nautical Chart; Pearl River Estuary; Coastline Change; Erosion-Accretion Evolution.	23	Journal of Applied Remote Sensing	10.1117/1.JRS.7.073519
1012	Pérez-Alberti A; Pires A; Freitas L; Chamine H	2013	Shoreline change mapping along the coast of Galicia Spain	Dynamics/Environment/Management	18	Proceedings of The Institution of Civil Engineers: Maritime Engineering	10.1680/maen.2012.23
1013	Cenci L; Disperati L; Sousa L; Phillips M; Alves F	2013	Geomatics for integrated coastal zone management multitemporal shoreline analysis and future regional perspective for the Portuguese central region	Coastal Erosion; Coastal Management; Erosion Rate; GIS; Landsat; Remote Sensing (RS); Shoreline Evolution; Shoreline Prediction	18	Journal of Coastal Research	10.2112/SI65-228.1
1014	Vassiljev J; Saarse L	2013	Timing of the Baltic ice lake in the eastern Baltic	Absolute Age; Baltic Ice Lake; C-14; Deglaciation; Estonia; Ice-Marginal Features; Paleogeography; Quaternary; Sea-Level Changes	23	Bulletin of The Geological Society of Finland	10.17741/bgsf/85.1.001

1015	Grudzinska I; Saarse L; Vassiljev J; Heinsalu A	2013	Mid and late Holocene shoreline changes along the southern coast of the Gulf of Finland	Absolute Age; C-14; Diatoms; Estonia; Holocene; Lake Sediments; Litorina Sea; Paleogeography; Sea-Level Changes; Stratigraphy	11	Bulletin of The Geological Society of Finland	10.17741/bgsf/85.1.002
1016	Liu Y; Huang H; Qiu Z; Fan J	2013	Detecting coastline change from satellite images based on beach slope estimation in a tidal flat	Beach Gradient; Coastlines; Remote Sensing; The Yellow River Delta; Volume Estimation	56	International Journal of Applied Earth Observation and Geoinformation	10.1016/j.jag.2012.12.005
1017	Xu J; Zhang Z; Zhao X; Wen Q; Zuo L; Wang X; Yi L	2013	Spatia-ltemporal analysis of coastline changes in northern China from 2000 to 2012	Coastline; Fractal Dimension; Northern China; Remote Sensing; Spatial-Temporal Change	19	Dili Xuebao/Acta Geographica Sinica	NA
1018	Nebel S; Trembanis A; Barber D	2013	Tropical cyclone frequency and barrier island erosion rates Cedar island Virginia	Barrier Islands; Coastal; Eastern Shore; Hurricane; Tropical Storm; Virginia; Wachapreague	8	Journal of Coastal Research	10.2112/JCOASTRES-D-11-00206.1
1019	Del R L; Gracia F	2013	Error determination in the photogrammetric assessment of shoreline changes	Aerial Photography; Coastal Erosion; Error; Photogrammetry; Shoreline Changes	38	Natural Hazards	10.1007/s11069-012-0407-y
1992	Da S L; Goncalves R; Lira M; Pereira P	2013	Fuzzy modeling applied to coastal erosion vulnerability detection	Vulnerability To Coastal Erosion; Coastal Mapping; Fuzzy Modeling; Shoreline	4	Boletim De Ciencias Geodesicas	10.1590/S1982-217020130004000014

2007	Quan S; Kvitek R; Smith D; Griggs G	2013	Using vessel-based Lidar to quantify coastal erosion during El Nino and inter-El Nino periods in Monterey Bay California	Shoreline Change; Erosion Rates; Seacliff Retreat; Bluff Retreat; Coastal Geomorphology; Remote Sensing; Coastal Processes; El Nino; LIDAR	9	Journal of Coastal Research	10.2112/JCOASTRES-D-12-00005.1
2010	Richter A; Faust D; Maas H	2013	Dune cliff erosion and beach width change at the northern and southern spits of Sylt detected with multitemporal Lidar	LIDAR; Multi-Temporal; Dune Cliff; Beach Width; Coastal Change Detection	34	Catena	10.1016/j.catena.2011.02.007
2031	Kaimaris D; Papanikolaou N	2013	Change detection in the physical lake shoreline through diachronic remote sensing data and GIS techniques: The case study of lake Orestiada Kastoria, Greece	Remote Sensing; Photogrammetry; GIS; Natural Sources; Shoreline Change Detection; Urban Growth; Lake Orestiada; Greece	0	Proceedings of The 13th International Conference on Environmental Science and Technology	NA
888	Aydin M; Uysal M	2014	Risk assessment of coastal erosion of Karasu coast in Black sea	Coastal Erosion; Coastline Change; Remote Sensing; Risk Assessment	13	Journal of Coastal Conservation	10.1007/s11852-014-0343-y
889	Lo K; Gunasiri C	2014	Impact of coastal land use change on shoreline dynamics in Yunlin county, Taiwan	Coastal Land Uses; GIS; Human Impact; Industrialization; Shoreline Change	13	Environments - Mdpi	10.3390/environments1020124
890	Choung Y; Yun H	2014	Development of a coastal surface monitoring system using high-resolution images taken in Haeundae, South Korea	Coastal Surface Monitoring System; Coastlines; Coastlines; High-Resolution Images	2	Journal of Coastal Research	10.2112/SI72-034.1
891	Mahapatra M; Ratheesh R; Rajawat A	2014	Shoreline change analysis along the coast of south Gujarat India using digital shoreline analysis system	DSAS Model; Erosion; Htl; Shoreline Change	34	Journal of The Indian Society of Remote Sensing	10.1007/s12524-013-0334-8

892	UsCinowicz G; Kramarska R; Kaulbarsz D; Jurys L; Frydel J; Przezdziecki P; Jegliński W	2014	Baltic sea coastal erosion: A case study from the Jastrzbia, Góra region	Barrier and Cliff Coast; Coastal Erosion; Coastal Landslides; Coastal Protection; Southern Baltic Sea	9	Geologos	10.2478/logos-2014-0018
893	Kuenzer C; Ottinger M; Liu G; Sun B; Baumhauer R; Dech S	2014	Earth observation-based coastal zone monitoring of the Yellow river delta dynamics in China's second largest oil producing region over four decades	Coastal Zone; Environmental Impacts; Oil Industry; Remote Sensing; Shoreline Changes; Yellow River Delta	64	Applied Geography	10.1016/j.apgeog.2014.08.015
894	Demers A; Banks S; Pasher J; Duffe J	2014	Canadian Arctic shoreline mapping using Radarsat-2 and optical data through object-based classification	Arctic; Classification; Coastal; Object-Based; SAR	1	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2014.6947653
895	Guimaraes U; Rodrigues T; De L B T G M; Pamplona V	2014	Change detection applied on shorelines in the mouth of Amazon river	Change Detection; Shorelines; Wetlands	5	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2014.6946891
896	Ozyavuz M; Donmez Y	2014	Monitoring the changing position of coastlines using information technologies: An example of Tekirdag	Coastal Management; Geographic Information System (GIS); Monitoring; Remote Sensing (RS); Urbanisation	10	Journal of Environmental Protection and Ecology	NA
897	Ma H; Feng Y; Cui J; Li X; Qi L	2014	An analysis of shoreline changes in Liaohe river delta based on remote sensing and GIS technology	Cause Analysis; Liaohe River Delta; Remote Sensing; Shoreline Changes	1	Geological Bulletin of China	NA
898	Gómez C; Wulder M; Dawson A; Ritchie W; Green D	2014	Shoreline change and coastal vulnerability characterization with Landsat imagery: A case study in the outer Hebrides Scotland	Digital Shoreline Analysis System; Landsat; Scottish Outer Hebrides; Shoreline Change; Spatial Analysis; Vulnerability	11	Scottish Geographical Journal	10.1080/14702541.2014.923579

899	Bouchahma M; Yan W	2014	Monitoring shoreline change on Djerba island using GIS and multitemporal satellite data	Djerba; DSAS; GIS; Landsat Tm; Shoreline Changemeasurement	21	Arabian Journal of Geosciences	10.1007/s12517-013-1052-9
900	Tran T V; Tien T X A; Phan N H; Dahdouh-Guebas F; Koedam N	2014	Application of remote sensing and GIS for detection of longterm mangrove shoreline changes in Mui Ca Mau, Vietnam	NA	57	Biogeosciences	10.5194/bg-11-3781-2014
901	Houser C; Dambrosio T; Bouchard C; Heyman W; Darbonne K; Kuykendall S	2014	Erosion and reorientation of the Sapodilla Cays, mesoamerican Reef Belize from 1960 to 2012	Belize; Reef Islands; Sapodilla Cays; Sea-Level Rise; Shoreline Change	8	Physical Geography	10.1080/02723646.2014.913932
902	Mane N; Balaji R	2014	Assessment of shoreline oscillations along south Gujarat coastline India	Accretion; ARCGIS; Erosion; Landsat Etm+; Shoreline	2	Indian Journal of Geo-Marine Sciences	NA
903	Sankar S; Ravichandran V; Venkatarao D; Badrinarayanan S	2014	Mapping of spatial and temporal variation of shoreline in Poompuhar using comprehensive approach	Accretion; Coastal Dynamics; Coastal Geomorphology; Coastal Zones; Erosion; Shoreline	1	Indian Journal of Geo-Marine Sciences	NA
904	Chenthamilselvan S; Kankara R; Rajan B	2014	Assessment of shoreline changes along Karnataka coast India using GIS remote sensing techniques	Erosion and Accretion; Satellite Images; Weighted Linear Regression Rate and End Point Rate	26	Indian Journal of Geo-Marine Sciences	NA
905	Tirodkar G; Pathak K; Vaz S	2014	Coastal changes along the coast of Tadri river Karnataka west coast of India and its implication	Coastline Changes; CRZ; Geomorphology; High Water Line; Remote Sensing	0	Indian Journal of Geo-Marine Sciences	NA
906	Kankara R; Chenthamil S; Rajan B; Arockiaraj S	2014	An adaptive approach to monitor the shoreline changes in ICZM framework: A case study of Chennai coast	Accretion; Erosion; Satellite Imagery; Weighted Linear Regression Rate and End Point Rate	19	Indian Journal of Geo-Marine Sciences	NA
907	Mascarenhas A; Murali R	2014	Impact of shipwrecks on the morphology of world coasts: A review	Coastline; Goa; Mv River Princess; Satellite Images; Shipwrecks	0	Indian Journal of Geo-Marine Sciences	NA

908	Gao Z; Liu X; Ning J; Lu Q	2014	Analysis on changes in coastline and reclamation area and its causes based on 30year satellite data in China	China; Coastal Reclamation; Coastline; Consolidation; Land Use; Remote Sensing; Variation	30	Nongye Gongcheng Xuebao/Transactions of The Chinese Society of Agricultural Engineering	10.3969/j.issn.1002-6819.2014.12.017
909	Natesan U; Rajalakshmi P; Ferrer V	2014	Shoreline dynamics and littoral transport around the tidal inlet at Pulicat southeast coast of India	Geographical Information System; Satellite Data; Sediment Dynamics; Sediment Trend Analysis; Shoreline Oscillation; Tidal Inlets	11	Continental Shelf Research	10.1016/j.csr.2014.02.018
910	Pardo-Pascual J; Almonacid-Caballer J; Ruiz L; Palomar-Vázquez J; Rodrigo-Aleman R	2014	Evaluation of storm impact on sandy beaches of the Gulf of Valencia using Landsat imagery series	Beach Change; GIS Tools; Landsat Imagery; Recovery Processes; Remote Sensing; Shoreline Evolution; Storm Impact	25	Geomorphology	10.1016/j.geomorph.2014.02.020
911	Kaliraj S; Chandrasekar N; Magesh N	2014	Impacts of wave energy and littoral currents on shoreline erosion-accretion along the southwest coast of Kanyakumari Tamil Nadu using DSAS and geospatial technology	Coastal Erosion; DSAS; India; Kanyakumari; Littoral Current; Remote Sensing and GIS; Shoreline Change; South-West Coast; Wave Energy	44	Environmental Earth Sciences	10.1007/s12665-013-2845-6
912	Li X; Zhou Y; Zhang L; Kuang R	2014	Shoreline change of Chongming Dongtan and response to river sediment load a remote sensing assessment	Chongming Dongtan; Dam; Remote Sensing; Sediment Load; Shoreline Change; Yangtze River Delta	56	Journal of Hydrology	10.1016/j.jhydrol.2014.02.013
913	Bugajny N; Furmańczyk K	2014	Dune coast changes caused by weak storm events in Miedzywodzie Poland	Beach Volume Changes; Dune Coast; Rtk-GPS; Shoreline Displacement;	6	Journal of Coastal Research	10.2112/SI70-036.1

Southern Baltic Coast;
Storm Events

914	Puig M; Del R L; Plomaritis T; Benavente J	2014	Influence of storms on coastal retreat in SW Spain	Aerial Photographs; Coastal Erosion; Coastal Evolution; Coastal Storms; Gulf of Cadiz	5	Journal of Coastal Research	10.2112/SI70-033.1
915	Araújo M; Bona S; Trigo-Teixeira A	2014	Impact of detached breakwaters on shoreline evolution: A case study on the Portuguese west coast	Coastal Erosion; Genesis Model; LIDAR Data; Sediment Shortage; Shoreline Prediction; Shoreline Retreat	6	Journal of Coastal Research	10.2112/SI70-008.1
916	Jabaloy-Sánchez A; Lobo F; Azor A; Martín-Rosales W; Pérez-Peña J; Bárcenas P; Macías J; Fernández-Salas L; Vázquez-Vílchez M	2014	Six thousand years of coastline evolution in the Guadalfeo deltaic system southern Iberian Peninsula	Bathymetry; Coastline Changes; Damming; GIS; Guadalfeo River Delta; River DiveRSion	30	Geomorphology	10.1016/j.geomorph.2013.08.037
917	Merlotto A; Bértola G; Isla F; Cortizo L; Piccolo M	2014	Short and mediumterm coastal evolution of necochea municipality Buenos Aires province Argentina	Beach Profile; Coastal Evolution; Coastline; Necochea; Quequén	8	Environmental Earth Sciences	10.1007/s12665-013-2525-6
918	Xu J; Zhang Z; Zhao X; Wen Q; Zuo L; Wang X; Yi L	2014	Spatial and temporal variations of coastlines in northern China 2000-2012	Coastline; Fractal Dimension; Northern China; Remote Sensing; Spatial-Temporal Change	17	Journal of Geographical Sciences	10.1007/s11442-014-1070-x
919	Kannan R; Anand K; Sundar V; Sannasiraj S; Rangarao V	2014	Shoreline changes along the northern coast of Chennai port from field measurements	Beach Profile; Coastal Morphology; Field Survey; Rtk-GPS; Shoreline	4	Ish Journal of Hydraulic Engineering	10.1080/09715010.2013.821789

920	Hasan G; Takewaka S	2014	Foreshore applications of Xband radar	High Frequency Radar; Japanese Meteorological Agency; Shoreline Position; Surf Zone; Swash Zone	0	Coastal Research Library	10.1007/978-3-319-06326-3_7
921	Manivanan R	2014	Advancement of technology for detecting shoreline changes in east coast of India and comparison with prototype behavior	Littoral Drift; Longshore Sediment Transport; Mathematical Modelling Technique; Shoreline Change; Wave Climate	0	Coastal Research Library	10.1007/978-3-319-06326-3_16
922	Rigos A; Vousdoukas M; Andreadis O; Tsekouras G; Velegrakis A	2014	On the systematic implementation of Artificial Neural Networks in the classification of variance images and shoreline extraction	Coastal Morphodynamics; Fuzzy Clustering; RBF Neural Networks Radial Basis Function Networks; Remote Sensing	6	Fresenius Environmental Bulletin	NA
923	Drakopoulos P; Ghionis G; Lazogiannis K; Poulos S	2014	Toward precise shoreline detection and extraction from remotely sensed images with the use of wet and dry sand spectral signatures	Environmental Monitoring; Remote Sensing; Shoreline Position	1	Fresenius Environmental Bulletin	NA
924	Choi J; Choi C; Yun M; Ahn H	2014	Spatial analysis of the Taeae shoreline change using satellite image and GIS	Change Detection; DSAS; Kompsat-2; LIDAR; Shoreline	0	35th Asian Conference on Remote Sensing 2014, ACRS 2014: Sensing For Reintegration of Societies	NA

925	Kim B; Yun K	2014	Longterm shoreline changes on the Baeksajang beach west coast of Korea	Aerial Photographs; Digital Photogrammetry; Rate of Shoreline Changes	0	35th Asian Conference on Remote Sensing 2014, ACRS 2014: Sensing For Reintegration of Societies	NA
926	Zhang X; Pan D; Chen J; Zhao J; Zhu Q; Huang H	2014	Evaluation of coastline changes under human intervention using multitemporal high-resolution images: a case study of the Zhoushan islands, China	Coastline Change; Geographic Information Systems; Island; Land Reclamation; Remote Sensing	30	Remote Sensing	10.3390/rs6109930
927	Li L; Zhong C; Kong F	2014	The coastline remote sensing survey for Zhao Shu island in Xisha islands based on WorldView-2	Coastline Changes; Coastline Extraction; Remote Sensing Survey; Wordview-2; Xisha Islands	1	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2069483
928	Liu X; Gao Z; Ning J; Lu Q	2014	Dynamic analysis on coastline and sea reclamation in the region around Bohai based on remote sensing images	Coastline; GIS; Reclamation; Remote Sensing; The Bohai Rim	1	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2058414
929	You C; Gao Z; Ning J	2014	Spatialtemporal analysis of coastline changes around Bohai sea based on remote sensing in recent 20a	Bohai Sea; Coastline; GIS; Remote Sensing	1	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2058944

930	Rajawat A; Chauhan H; Ratheesh R; Rhode S; Bhanderi R; Mahapatra M; Kumar M; Yadav R; Abraham S; Singh S; Keshri K; Ajai A	2014	Assessment of coastal erosion along Indian coast on 1:25,000 scale using satellite data	Accretion; Coastal Erosion; Coastal Protection; Highest High Tide Line; IRS; LISS-IV; Shoreline Changes	9	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XL-8- 119-2014
931	Tochamnanvit T; Muttitanon W	2014	Investigation of coastline changes in three provinces of Thailand using remote sensing	Change Detection Technique; Coastline Changes; Fusion Technique; Principal Component Analysis; Remote Sensing	7	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XL-8- 1079-2014
932	Thomas J; Arunachalam A; Jaiswal R; Diwakar P; Kiran B	2014	Dynamic land use and coastline changes in active estuarine regions a study of Sundarban delta	Climate Change; GIS; Remote Sensing; Sea Level Rise; Shoreline Analysis; Vulnerability	4	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XL-8- 133-2014
933	Mendonça F; Gonçalves R; Awange J; Da S L; Das G M	2014	Temporal shoreline series analysis using GNSS análise temporal da linha de costa utilizando GNSS	Coastal Erosion; Coastal Settlement; Gnss; Monitoring; Shoreline	11	Boletim De Ciencias Geodesicas	10.1590/S1982- 21702014000300040
934	Tamassoki E; Amiri H; Soleymani Z	2014	Monitoring of shoreline changes using remote sensing: case study coastal city of Bandar Abbas	NA	15	IOP Conference Series: Earth and Environmental Science	10.1088/1755- 1315/20/1/012023

935	Hussain M; Tajima Y; Gunasekara K; Rana S; Hasan R	2014	Recent coastline changes at the eastern part of the Meghna estuary using PALSAR and Landsat images	NA	13	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/20/1/012047
936	Zhu L; Wu J; Xu Z; Xu Y; Lin J; Hu R	2014	Coastline movement and change along the Bohai sea from 1987 to 2012	Bohai Sea; Coastline Change; Coastline Type; Remote Sensing	15	Journal of Applied Remote Sensing	10.1117/1.JRS.8.083585
937	Görmüş K; Kutoğlu H; Şeker D; Özölçer I; Oruç M; Aksoy B	2014	Temporal analysis of coastal erosion in Turkey: A case study Karasu coastal region	Black Sea; Coastal Erosion; Coastal Structures; GPS; Harbour; Ikonos; Karasu; Landsat; Tourism	14	Journal of Coastal Conservation	10.1007/s11852-014-0325-0
938	Baykal C; Ergin A; Güler I	2014	Twodimensional depthaveraged beach evolution modeling: case study of the Kizilirmak river mouth, Turkey	Beach Evolution; Numerical Modeling; Sediment Transport; Spectral Waves; Wave-Induced Circulation	2	Journal of Waterway, Port, Coastal and Ocean Engineering	10.1061/(ASCE)WW.1943-5460.0000243
939	Mann T; Westphal H	2014	Assessing longterm changes in the beach width of reef islands based on temporally fragmented remote sensing data	Digital Shoreline Analysis System; Pacific Ocean; Quickbird; Seawall; Sediment Dynamics; Shoreline Change; Small Islands; Takú Atoll; Worldview	38	Remote Sensing	10.3390/rs6086961
940	Kabuth A; Kroon A; Pedersen J	2014	Multidecadal shoreline changes in Denmark	Coastal Erosion; Coastal Landform; Digital Shoreline Analysis System; DSAS; GIS	24	Journal of Coastal Research	10.2112/JCOASTRES-D-13-00139.1
941	Yang H; Li Y; Wei J	2014	Yellow river estuary coastline change analysis before and after the water and sediment regulation in 12 years	Coastline Changes; Remote Sensing; Water and Sediment Regulation; Yellow River Estuary	0	Advanced Materials Research	10.4028/www.scientific.net/AMR.955-959.3883

942	Meng W; Hu B; Wang Z	2014	Coastal wetland degradation and its restoration planning incorporating landscape and ecological processes in Tianjin northern China	Coastal Wetland Salt MaRSh Shoreline Change Ecological Integrity Ecosystem Process	2	Advanced Materials Research	10.4028/www.scientific.net/A MR.955-959.4123
943	Anitha P; Usha N	2014	Assessment of short term shoreline changes along Tuticorin southeast coast of India using geospatial techniques	DSAS; Erosion/Accretion; GIS; India; Shoreline Changes; Tuticorin Coast	0	Disaster Advances	NA
944	Ding X; Li X	2014	SAR monitoring of coastline change in Shanghai China	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/17/1/012113
945	Dong D; Li Z; Liu Z; Yu Y	2014	Automated techniques for quantification of coastline change rates using Landsat imagery along CaoFeidian, China	NA	1	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/17/1/012103
946	Pantanahiran W	2014	Monitoring coastal change after the tsunami in Thailand	NA	3	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/17/1/012108
947	Kundu S; Mondal A; Khare D; Mishra P; Shukla R	2014	Shifting shoreline of Sagar island delta, India	EPR Model; GIS; Land Water Boundary; Sagar Island Delta; Shoreline Mapping	16	Journal of Maps	10.1080/17445647.2014.922131
948	Tarmizi N; Samad A; Yusop M	2014	Shoreline data extraction from Quick-Bird satellite image using semi-automatic technique	Data Extraction; Semi-Automatic Technique; Shoreline	7	Proceedings - 2014 IEEE 10th International Colloquium on Signal Processing and Its Applications, Cspa 2014	10.1109/CSPA.2014.6805739

949	Jana A; Biswas A; Maiti S; Bhattacharya A	2014	Shoreline changes in response to sea level rise along Digha coast eastern India an analytical approach of remote sensing GIS and statistical techniques	End-Point Rate; Landsat; Linear Regression; Sea Level Rise (Slr); Shoreline Change Rate	33	Journal of Coastal Conservation	10.1007/s11852-013-0297-5
950	Theuerkauf E; Rodriguez A	2014	Evaluating proxies for estimating sub-aerial beach volume change across increasing time scales and various morphologies	Beach Morphologic Variability Beach Cusps; Beach Nourishment; Beach Profiles; Shoreline Change	10	Earth Surface Processes and Landforms	10.1002/esp.3467
951	Andredaki M; Georgoulas A; Hrissanthou V; Kotsovinos N	2014	Assessment of reservoir sedimentation effect on coastal erosion in the case of Nestos river Greece	Coastal Erosion; Nestos River; Reservoir Sedimentation; Sediment Transport; Shoreline Change Monitoring	22	International Journal of Sediment Research	10.1016/S1001-6279(14)60020-2
952	Fadahunsi O; Pe'Eri S; Armstrong A	2014	Characterisation of the Nigerian shoreline making use of publicly available satellite imagery	NA	0	Hydro International	NA
953	Cheng L; Tong L; Liu Y; Li M; Wang J	2014	Automatic registration of coastal remotely sensed imagery by affine invariant feature matching with shoreline constraint	Affine Invariant Matching; Coastal Remote Sensing; Filtering; Image ReGIStration; Shoreline Constraint	5	Marine Geodesy	10.1080/01490419.2013.868382
954	Wang Y; Hou X; Jia M; Shi P; Yu L	2014	Remote detection of shoreline changes in eastern bank of Laizhou Bay north China	Automatic Thresholding; Coastal Erosion; Land Reclamation; Shoreline Change	8	Journal of The Indian Society of Remote Sensing	10.1007/s12524-014-0361-0
955	Yousef A; Iftekharuddin K; Karim M	2014	Shoreline extraction from light detection and ranging digital elevation model data and aerial images	Digital Elevation Models; Light Detection and Ranging; Monte-Carlo Simulations; Remote Sensing; Support Vector Machines	8	Optical Engineering	10.1117/1.OE.53.1.011006

956	Deepika B; Avinash K; Jayappa K	2014	Shoreline change rate estimation and its forecast remote sensing geographical information system and statistics-based approach	Coastal Management; Correlation Coefficient; Human Intervention; Linear Regression; Littoral Cell; Root-Mean-Square Error	37	International Journal of Environmental Science and Technology	10.1007/s13762-013-0196-1
1950	Mendonca F; Goncalves R; Awange J; Da S L; Gregorio M	2014	Temporal shoreline series analysis using GNSS	Shoreline; Monitoring; Gns; Coastal Erosion; Coastal Settlement	7	Boletim De Ciencias Geodesicas	10.1590/S1982-21702014000300040
1951	El-Asmar H; El-Kafrawy S; Taha M	2014	Monitoring coastal changes along Damietta Promontory and the barrier beach toward port Said east of the Nile delta, Egypt	Damietta Promontory; Barrier Beach; Oil and Gas Industries; East Nile Delta; Remote Sensing	9	Journal of Coastal Research	10.2112/JCOASTRES-D-12-00112.1
1963	Sekovski I; Stecchi F; Mancini F; Del R L	2014	Image classification methods applied to shoreline extraction on very high-resolution multispectral imagery	NA	36	International Journal of Remote Sensing	10.1080/01431161.2014.907939
1965	Foyle A	2014	Groundwater flux as a determinant of coastal zone upland loss: A case study from the Pennsylvania coast of lake Erie USA	Coastal Erosion; Groundwater Flux; Climate Change; Bluff Retreat; Pennsylvania; USA	3	Environmental Earth Sciences	10.1007/s12665-013-2849-2
1971	Vassilakis E; Papadopoulou-Vrynioti K	2014	Quantification of deltaic coastal zone change based on multitemporal high resolution earth observation techniques	Historical Remote Sensing Data Interpretation; Digital Shoreline Analysis; Beach Erosion Rates; Real Time Kinematics (Rtk) GPS Applications	6	ISPRS International Journal of Geo-Information	10.3390/ijgi3010018
1976	Tonisson H; Aps R; Orviku K; Suursaar U; Sasi S; Kont A	2014	The impact of a port to the surrounding shores based on the 10 years monitoring results port of Sillamae: case study Gulf of Finland Baltic sea	NA	1	2014 IEEE/OES Baltic International Symposium (Baltic)	10.1109/BALTIC.2014.6887858

1984	Darsan J	2014	Digital mapping of the coastline evolution of Cocos Bay Manzanilla, Trinidad	Barrier Beach; Coastline Change; Erosion Rate; GIS; DSAS; Nariva Swamp	0	Caribbean Journal of Science	10.18475/cjos.v48i3.a07
820	Zagórski P; Rodzik J; Moskalik M; Strzelecki M; Lim M; Błaszczyk M; Promińska A; Kruszewski G; Styszyńska A; Malczewski A	2015	Multidecadal 1960-2011 shoreline changes in Isbjørnhamna Hornsund, Svalbard	Arctic; Coastal Erosion; Fjord System; Sea-Ice; Shore Ice; Spitsbergen	23	Polish Polar Research	10.1515/popore-2015-0019
821	Earlie C; Masselink G; Russell P; Shail R	2015	Application of airborne Lidar to investigate rates of recession in rocky coast environments	Airborne LIDAR; Cliff Erosion; Digital Elevation Model; Rocky Coastlines	21	Journal of Coastal Conservation	10.1007/s11852-014-0340-1
822	Guneroglu A	2015	Coastal changes and land use alteration on northeastern part of Turkey	Coastline; DSAS; Land Alteration; Remote Sensing; SVM	22	Ocean and Coastal Management	10.1016/j.ocecoaman.2015.06.019
823	Ozturk D; Sesli F	2015	Shoreline change analysis of the Kizilirmak lagoon series	Delta; EPR; Lagoon; NSM; SCE; SDI; Shoreline Change	40	Ocean and Coastal Management	10.1016/j.ocecoaman.2015.03.009
824	Cenci L; Persichillo M; Disperati L; Oliveira E; Alves F; Pulvirenti L; Rebora N; Boni G; Phillips M	2015	Remote sensing for coastal risk reduction purposes optical and microwave data fusion for shoreline evolution monitoring and modelling	Coastal Evolution Modelling; Coastal Risk Management; Optical/SAR Data Fusion; Remote Sensing; Shoreline Mapping	5	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2015.7326043
825	Suwanprasit C	2015	Effects of near shore land use dynamic on coastal erosion in Phuket, Thailand	Coastal Erosion; Land-Use Change; Remote Sensing; Shoreline Change; Support Vector Machines	1	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2015.7326912
826	Murali R; Dhiman R; Choudhary R; Seelam J; Ilangovan D; Vethamony P	2015	Decadal shoreline assessment using remote sensing along the central Odisha coast India	Accretion; DSAS; Erosion; Odisha Coast; Remote Sensing; Shoreline Mapping	32	Environmental Earth Sciences	10.1007/s12665-015-4698-7

827	Gallop S; Bosserelle C; Haigh I; Wadey M; Pattiaratchi C; Eliot I	2015	The impact of temperate reefs on 34years of shoreline and vegetation line stability at Yanchep southwestern Australia and implications for coastal setback	Beach Dynamics; Coastal Morphology; Coastal Setback; Perched Beach; Sandy Coast; Temperate Reefs	14	Marine Geology	10.1016/j.margeo.2015.09.001
828	Ozturk D; Beyazit I; Kilic F	2015	Spatiotemporal analysis of shoreline changes of the Kizilirmak delta	Change Detection; Coastal Erosion; EPR; LRR; SCE	19	Journal of Coastal Research	10.2112/JCOASTRES-D-14-00159.1
829	Heathfield D; Walker I	2015	Evolution of a foredune and backshore river complex on a high-energy, drift-aligned beach	Bluff; Coastal Erosion; Drift-Aligned; Foredune; LIDAR; River; Wave-Dominated	6	Geomorphology	10.1016/j.geomorph.2015.08.006
830	Crapoulet A; Héquette A; Levoy F; Bretel P	2015	Assessment of shoreline change and coastal sediment budget in the Bay of Wissant northern France using airborne Lidar evaluation de l'évolution du trait de côte et du bilan sédimentaire littoral en baie de wissant nord de la France par Lidar aéroporté	Bay of Wissant; Coastal Dunes; Coastal Sediment Budget; Shoreline Evolution; Topographic LIDAR	5	Geomorphologie: Relief, Processus, Environnement	10.4000/geomorphologie.11146
831	Maulud K; Rafar R	2015	Determination the impact of sea level rise to shoreline changes using GIS	Erosion and Spatial Model; Geographic Information System (GIS); Sea Level Rise; Shoreline Changes	6	International Conference on Space Science and Communication, Iconspace	10.1109/IconSpace.2015.7283798
832	Swirad Z; Rees W	2015	Geomorphometric analysis of a rocky coastline an example from Hornsund, Svalbard	Coastline; Geomorphometry; Gnu Octave; Svalbard; Line Generalisation	2	International Journal of Geographical Information Science	10.1080/13658816.2015.1061131
833	Ford M; Kench P	2015	Multidecadal shoreline changes in response to sea level rise in the Marshall Islands	Adaptation; Atoll Nations; Reef Islands; Sea Level Rise; Shoreline Change	43	Anthropocene	10.1016/j.ancene.2015.11.002

834	Sitkiewicz P; Wróblewski R; Rudowski S	2015	The dune coast, the state just prior to the construction of hard engineering protection structures Ustkajarosawiec the southern Baltic	Abrasion; Coastal Management; GIS; Morphological Changes; Polish Seashore	0	Oceanological and Hydrobiological Studies	10.1515/ohs-2015-0034
835	Curran C; Davis J; Baron L; Malhotra A; Fonseca M	2015	Shoreline change in the new river estuary North Carolina rates and consequences	Coastal Erosion; Estuarine Shoreline; Salt Marsh; Sediment Supply; Sheltered Coast	24	Journal of Coastal Research	10.2112/JCOASTRES-D-14-00127.1
836	Dada O; Qiao L; Ding D; Li G; Ma Y; Wang L	2015	Evolutionary trends of the Niger delta shoreline during the last 100years responses to rainfall and river discharge	Climate Change; Coastline Change; Niger Delta; Niger River; River Discharge	17	Marine Geology	10.1016/j.margeo.2015.06.007
837	Maglione P; Parente C; Vallario A	2015	High resolution satellite images to reconstruct recent evolution of Domitian coastline	Coastline Changes; Digital Mapping; Domitian Coastal Zone; Geoinformatics; High Resolution Satellite Images; Positional Accuracy; Remote Sensing; Variance Propagation	18	American Journal of Applied Sciences	10.3844/ajassp.2015.506.515
838	Davies-Vollum K; West M	2015	Shoreline change and sea level rise at the Muni Pomadze coastal wetland Ramsar site, Ghana	Africa; Ghana; Sea Level Rise; Shoreline Change; Wetlands	5	Journal of Coastal Conservation	10.1007/s11852-015-0403-y
839	Anderson T; Fletcher C; Barbee M; Frazer L; Romine B	2015	Doubling of coastal erosion under rising sea level by midcentury in Hawaii	Erosion; Hawaii; Reef; Sea Level Rise; Shoreline	46	Natural Hazards	10.1007/s11069-015-1698-6
840	Doyle B; Adams M	2015	Statistical evaluation of shoreline change a case study from Seabrook island South Carolina	Accretion; Barrier Island; DSAS; Erosion; Geographic Information Systems; Linear Regression	3	Environmental and Engineering Geoscience	10.2113/gsegeosci.21.3.165

841	Misra A; Balaji R	2015	Decadal changes in the land use land cover and shoreline along the coastal districts of southern Gujarat, India	Band Ratios; Coastal Erosion; Hybrid Classification; LULC Changes; Shoreline Change; Southern Gujarat	18	Environmental Monitoring and Assessment	10.1007/s10661-015-4684-2
842	Feng Y; Liu Y; Liu D	2015	Shoreline mapping with cellular automata and the shoreline progradation analysis in Shanghai China from 1979 to 2008	Cellular Automata; Fractal; Remote Sensing; Shanghai; Shoreline Mapping; Shoreline Progradation	18	Arabian Journal of Geosciences	10.1007/s12517-014-1515-7
843	Aquino D S A; Stattegger K; Schwarzer K; Vital H; Heise B	2015	The influence of climatic variations on river delta hydrodynamics and morphodynamics in the Parnaíba delta, Brazil	Harmonic Analysis; Meteorology; Wave-Dominated Delta	7	Journal of Coastal Research	10.2112/JCOASTRES-D-14-00078.1
844	Louati M; Saïdi H; Zargouni F	2015	Shoreline change assessment using remote sensing and GIS techniques: a case study of the Mejerda delta coast Tunisia	Band Ratioing; Digital Shoreline Analysis System; Landsat Imagery; Medjerda Delta; Shoreline Change; Tunisia	30	Arabian Journal of Geosciences	10.1007/s12517-014-1472-1
845	Moussaid J; Fora A; Zourarah B; Maanan M; Maanan M	2015	Using automatic computation to analyze the rate of shoreline change on the Kenitra coast Morocco	Coastline Change; Digital Shoreline Analysis System (DSAS); GIS; Kenitra Coast	60	Ocean Engineering	10.1016/j.oceaneng.2015.04.044
846	Jonah F	2015	Managing coastal erosion hotspots along the Elmina, Cape Coast and Moree area of Ghana	Coastal Erosion; Coastal Management; Ghana; Hotspots; Sand Mining	15	Ocean and Coastal Management	10.1016/j.ocecoaman.2015.02.007
847	Natesan U; Vishnunath R; Kathiravan K	2015	Shoreline oscillation of Dhanushkodi Rameswaram, India	Accretion; Dhanushkodi; Erosion; India; Shoreline Change	1	Geocarto International	10.1080/10106049.2014.937465
848	Geleynse N; Hiatt M; Sangireddy H; Passalacqua P	2015	Identifying environmental controls on the shoreline of a natural river delta	Environmental Control; Inundation; River Delta; Satellite	19	Journal of Geophysical Research: Earth Surface	10.1002/2014JF003408

Imagery; Shoreline;
Wind

849	Zhang W; Xu Y; Hoitink A; Sassi M; Zheng J; Chen X; Zhang C	2015	Morphological change in the Pearl river delta China	Coastline; Land Reclamation; Morphological Change; Pearl River Estuary; Sedimentation	56	Marine Geology	10.1016/j.margeo.2015.02.012
850	Sánchez-García E; Pardo-Pascual J; Balaguer-Beser A; Almonacid-Caballer J	2015	Analysis of the shoreline position extracted from Landsat TM and ETM imagery	Coastal Environment; Landsat Imagery; Long-Term Trends; Monitoring Changes; Shoreline Position; Statistical Methods	13	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XL-7-W3-991-2015
851	El-Asmar H; Taha M; El-Kafrawy S; El-Sorogy A	2015	Control of late Holocene geoprocesses on the sustainable development plans of the Tineh plain NW Sinai coast Egypt	Change Detection; Lu /Lc; Geomorphology; Deltaic Plain; Sedimentary Lithofacies; Shoreline Changes; Sinai Coast; Strand Plain; Tell El-Farama; Tineh Plain	3	Journal of Coastal Conservation	10.1007/s11852-015-0377-9
852	Yao F; Parrish C; Pe'Eri S; Calder B; Rzhano Y	2015	Modeling uncertainty in photogrammetry-derived national shoreline	National Shoreline; Photogrammetric Stereo Compilation; Uncertainty	8	Marine Geodesy	10.1080/01490419.2014.957792
853	Hickin A; Lian O; Levson V; Cui Y	2015	Pattern and chronology of glacial lake peace shorelines and implications for isostasy and icesheet configuration in northeastern British Columbia, Canada	NA	22	Boreas	10.1111/bor.12110

854	Masria A; Nadaoka K; Negm A; Iskander M	2015	Detection of shoreline and land cover changes around Rosetta Promontory Egypt based on remote sensing analysis	Change Detection; Land Cover; Remote Sensing; Rosetta; Shoreline	34	Land	10.3390/land4010216
855	Pianca C; Holman R; Siegle E	2015	Shoreline variability from days to decades results of long-term video imaging	Interannual Variability; Shoreline Variability; Video Remote Sensing; Wave Forcing	45	Journal of Geophysical Research C: Oceans	10.1002/2014JC010329
856	Suo A; Zhang M	2015	Sea areas reclamation and coastline change monitoring by remote sensing in coastal zone of Liaoning in China	Change; Coastline; Liaoning;; Monitoring; Reclamation; Sea Areas	18	Journal of Coastal Research	10.2112/SI73-124.1
857	Ghosh M; Kumar L; Roy C	2015	Monitoring the coastline change of Hatiya island in Bangladesh using remote sensing techniques	Accretion; Erosion; Integrated Technique; Landsat; MNDWI; On-Screen Digitizing	116	ISPRS Journal of Photogrammetry and Remote Sensing	10.1016/j.isprsjprs.2014.12.009
858	Høgaas F; Sveian H	2015	The younger dryas main line on Leka Norway as determined from a high resolution digital elevation model derived from airborne Lidar data	Airborne LIDAR Data; Cliff Degradation; Cold Climate Erosion; Main Line Development; Raised Shoreline Morphology	5	Geomorphology	10.1016/j.geomorph.2014.12.002
859	Choung Y	2015	Mapping 3D shorelines using KOMPSAT-2 imagery and airborne Lidar data	Coastal Zones; Kompsat-2 Imagery; LIDAR; NDWI; Shorelines	7	Journal of The Korean Society of Surveying, Geodesy, Photogrammetry and Cartography	10.7848/ksgpc.2015.33.1.23
860	Prahalad V; Sharples C; Kirkpatrick J; Mount R	2015	Is wind-wave fetch exposure related to soft shoreline change in swell-sheltered situations with low terrestrial sediment input?	Coastal Erosion; Fetch Wave Exposure; GIS; Saltmarsh; Soft Sediment; Tasmania	13	Journal of Coastal Conservation	10.1007/s11852-014-0352-x

861	Castedo R; De L V R; Fernández-Hernández M; Paredes C	2015	Measurement of historical cliff-top changes and estimation of future trends using GIS data between Bridlington and Hornsea Holderness coast, UK	Clay Cliffs; Climate Change; GIS; Recession Modeling; Shoreline Evolution	13	Geomorphology	10.1016/j.geomorph.2014.11.013
862	Manivanan R	2015	Advancement of technology for detecting shoreline changes in east coast of India and comparison with prototype behaviour	Littoral Drift; Longshore Sediment Transport; Mathematical Modelling Technique; Shoreline Change; Wave Climate	0	Coastal Research Library	10.1007/978-3-319-06305-8_13
863	Uda T; Mimaki J; Onaka S; San-Nami T	2015	Rapid accumulation of coral debris to Atoll islets in Tuvalu by storm waves and subsequent deformation of Islets	Aerial Photographs; Atoll Islets; Coral Reef; Funafuti; Shoreline Change; Tropical Cyclone; Tuvalu	1	Chikei/Transaction s, Japanese Geomorphological Union	NA
864	Agha T R; Jafari M; Fallah M; Alavi A	2015	A study on variations of shoreline changes and temporal- spatial potentiality for cloud seeding at Urumia lake	Landsat Satellite; Neural Network; Shoreline Changes; Temporal- Spatial Potentiality Evaluation; Urmia Lake	0	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XL-1-W5-15-2015
865	Tanaka H; Hoang V; Mitobe Y	2015	Analytical model for concave shoreline induced by the 2011 tsunami	Analytical Solution; Concave Shape Erosion; One-Line Model; Sandy Coast Breaching; Shoreline Change; The 2011 Tsunami	1	Procedia Engineering	10.1016/j.proeng.2015.11.223

866	Anh N; Tuan H; Kien D	2015	Analysis of shoreline changes in the northern passage of Thuan an inlet Thua Thien hue province in period 2000-2014 by using GIS and remote sensing	Erosion; GIS; Remote Sensing; Shoreline; Shoreline	0	ACRS 2015 - 36th Asian Conference on Remote Sensing: Fostering Resilient Growth In Asia, Proceedings	NA
867	Choung Y	2015	Monitoring shoreline changes in east coasts of Korea using multitemporal Landsat imagery	Coastal Erosion; Landsat Imagery; NDWI; Shoreline	0	ACRS 2015 - 36th Asian Conference on Remote Sensing: Fostering Resilient Growth In Asia, Proceedings	NA
868	Samanmali M; Piyadasa R; Wickramasinghe D	2015	Shoreline changes investigation during the last 50 years in Kalpitiya Peninsula Sri Lanka	NA	0	Proceedings of Iamg 2015 - 17th Annual Conference of The International Association For Mathematical Geosciences	NA
869	Liu X; Gao Z; Ning J; Gao W	2015	Study on coastline change in Shandong province based on geoinformation Tupu	Coastline Change; Geo-Information Tupu; GIS; Temporal and Spatial Change	0	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2186486
870	Loinenak F; Hartoko A; Muskananfol M	2015	Mapping of coastal vulnerability using the coastal vulnerability index and geographic information system	Class Ranks; Coastal Vulnerability Index; Doreri Bay; Geographic Information Systems; Spatial Analysis	9	International Journal of Technology	10.14716/ijtech.v6i5.1361

871	Ranieri L; El-Robrini M	2015	Evolution of the salinópolis shoreline northeastern of Pará Brazil evolução da linha de costa de salinópolis nordeste do Pará Brasil	Change of Shoreline; Multitemporal Analysis; Remote Sensing; Salinópolis	10	Pesquisas Em Geociencias	10.22456/1807-9806.78121
872	Niculescu D; Vlasceanu E; Omer I; Mateescu R	2015	The monitoring of the Romanian littoral cliffs using automatic flight systems	Cliffs Erosion; Coastal Changes; Coastal Evolution Trend; UAV Survey	0	International Multidisciplinary Scientific Geoconference Surveying Geology and Mining Ecology Management, Sgem	NA
873	Sesli F; Caniberk M	2015	Estimation of the coastline changes using Lidar	Coastal Changes; Coastal Management; Coastal Zone; Coastline; LIDAR; Remote Sensing	3	Acta Montanistica Slovaca	NA
874	Ismail S; Zulkifley M; Hussain A; Mustafa M	2015	A review on shoreline detection based on satellite imagery	Active Contour; Pixel Swapping Algorithm; Satellite Imagery; Shoreline Detection	1	ARPJ Journal of Engineering and Applied Sciences	NA
875	Shin B; Kim K	2015	Estimation of shoreline change using high resolution images	GCP; Image Processing; Long-Term Monitoring; Shoreline Change	7	Procedia Engineering	10.1016/j.proeng.2015.08.391
876	Misra A; Balaji R	2015	A study on the shoreline changes and land use/land cover along the south Gujarat coastline	Band Ratios; Coastal Erosion; LULC; Shoreline Change; South Gujarat	47	Procedia Engineering	10.1016/j.proeng.2015.08.311
877	Velegrakis A; Trygonis V; Voudoukas M; Ghionis G; Chatzipavlis A; Andreadis O; PSARros F; Hasiotis T	2015	Automated 2D shoreline detection from coastal video imagery an example from the island of Crete	Beach Morphodynamics; Coastal Video Imagery; Shoreline Variability	2	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2192687

878	Rajawat A; Chauhan H; Ratheesh R; Rode S; Bhanderi R; Mahapatra M; Kumar M; Yadav R; Abraham S; Singh S; Keshri K; Ajai A	2015	Assessment of coastal erosion along the Indian coast on 1: 25,000 scale using satellite data of 1989-1991 and 2004 -2006 time frames	Accretion; Coastal Erosion; High and Low Tide Lines; Satellite Data; Shoreline Changes	22	Current Science	NA
879	Kolega N	2015	Coastline changes on the Slovenian coast between 1954 and 2010 Spreminjanje Obalne rte na slovenski obali med letoma 1954 in 2010	Aerial Photography; Coastline; Digital Shoreline Analysis System; Geography; Slovenian Coast	2	Acta Geographica Slovenica	10.3986/AGS.1887
880	Ali T; Atabay S; Mortula M; Ma R	2015	Semiautomatic extraction of the shoreline from high-resolution satellite imagery and coastal terrain model	High-Resolution Imagery; Shoreline Extraction; Shoreline Mapping	1	Surveying and Land Information Science	NA
881	Petropoulos G; Kalivas D; Griffiths H; Dimou P	2015	Remote sensing and GIS analysis for mapping spatio-temporal changes of erosion and deposition of two Mediterranean river deltas: The case of the Axios and Aliakmonas rivers, Greece	Coastline Mapping; GIS; Landsat Tm; Photo-Interpretation; Remote Sensing; Support Vector Machines	45	International Journal of Applied Earth Observation and Geoinformation	10.1016/j.jag.2014.08.004
882	García-Rubio G; Huntley D; Russell P	2015	Evaluating shoreline identification using optical satellite images	Coastal Dynamics; Coastal Monitoring; Remote Sensing; Shoreline	58	Marine Geology	10.1016/j.margeo.2014.11.002
883	Amaro V; Gomes L; De L F; Scudelari A; Neves C; Busman D; Santos A	2015	Multitemporal analysis of coastal erosion based on multisource satellite images Ponta Negra beach Natal city, northeastern Brazil	Digital Elevation Model; PPK-GPS; Remote Sensing; Shoreline Detection	22	Marine Geodesy	10.1080/01490419.2014.904257
884	Ali P; Narayana A	2015	Short-term morphological and shoreline changes at Trinkat island Andaman and Nicobar India after the 2004 tsunami	2004 Tsunami; Andaman and Nicobar; Beach Recovery; Coastal Landforms; December 26; Shoreline Erosion; Trinkat Island	22	Marine Geodesy	10.1080/01490419.2014.908795

885	Ghoneim E; Mashaly J; Gamble D; Halls J; Abubakr M	2015	Nile delta exhibited a spatial reversal in the rates of shoreline retreat on the Rosetta Promontory comparing pre and post-beach protection	GIS; Image Classification; Landsat; Remote Sensing; Shoreline Changing Rate; Very High-Resolution Image	38	Geomorphology	10.1016/j.geomorph.2014.08.021
886	Bulteau T; Baills A; Petitjean L; Garcin M; Palanisamy H; Le C G	2015	Gaining insight into regional coastal changes on la réunion island through a Bayesian data mining approach	Bayesian Networks; Coastal Databases; La Réunion Island; Sea-Level Rise; Shoreline Changes; Vertical Ground Motions	9	Geomorphology	10.1016/j.geomorph.2014.09.002
887	Kaliraj S; Chandrasekar N; Magesh N	2015	Evaluation of coastal erosion and accretion processes along the southwest coast of Kanyakumari, Tamil Nadu using geospatial techniques	Coastal Erosion and Accretion; Erosion Factors; Remote Sensing and GIS; Southwest Coast; Tamil Nadu	35	Arabian Journal of Geosciences	10.1007/s12517-013-1216-7
1895	Sutikno S; Murakami K; Handoyo D; Fauzi M	2015	Calibration of numerical model for shoreline change prediction using satellite imagery data	DSAS; Numerical Model; Shoreline Change	2	Makara Journal of Technology	10.7454/mst.v19i3.3042
1896	Lubis A	2015	Uplift of shoreline regions on pagai island due to the September 12, 2007 MW 84 earthquake captured by SAR image	Displacement; Earthquake; In Situ Observation; SAR	0	Makara Journal of Technology	10.7454/mst.v19i3.3044
1901	Crapoulet A; Hequette A; Levoy F; Bretel P	2015	Assessment of shoreline change and coastal sediment budget in the Bay of Wissant northern France using airborne Lidar	Shoreline Evolution; Coastal Sediment Budget; Topographic LIDAR; Coastal Dunes; Bay of Wissant	5	Geomorphologie-Relief Processus Environnement	10.4000/geomorphologie.11146
1904	Olusegun A; Qiao L; Ding D; Li G; Ma Y; Wang L	2015	Evolutionary trends of the Niger delta shoreline during the last 100 years responses to rainfall and river discharge	Coastline Change; Climate Change; River Discharge; Niger Delta; Niger River	15	Marine Geology	10.1016/j.margeo.2015.06.007

1909	Da S A; Stattegger K; Schwarzer K; Vital H; Heise B	2015	The influence of climatic variations on river delta hydrodynamics and morphodynamics in the Parnaiba delta Brazil	Wave-Dominated Delta; Meteorology; Harmonic Analysis	6	Journal of Coastal Research	10.2112/JCOASTRES-D-14-00078.1
1914	Baby S	2015	Monitoring of Kuwait coastline for spatial and temporal changes from spaceborne Landsat sensors	Remote Sensing Sensor; Image Processing; Erosion and Accretion; Digitization; Shoreline Change	1	Indian Journal of Geo-Marine Sciences	NA
1922	Liu J; Cheng J; Jiang F	2015	Methodological study of coastal geological hazard assessment based on GIS	Costal Zone; Geological Hazard; GIS; Seawater Intrusion; Coastline Change; Sea-Level Rise	0	Journal of Groundwater Science and Engineering	NA
1925	Yun M; Choi C	2015	Spatial analysis of shoreline change in northwest coast of Taean Peninsula	Kompsat-2; NDVI; Aerial LIDAR; Shoreline; DSAS	1	Korean Journal of Remote Sensing	10.7780/kjrs.2015.31.1.4
1927	Sanchez-Garcia E; Pardo-Pascual E; Balaguer-Beser A; Almonacid-Caballer J	2015	Analysis of the shoreline position extracted from Landsat TM and ETM plus imagery	Shoreline Position; Landsat Imagery; Statistical Methods; Coastal Environment; Monitoring Changes; Long-Term Trends	9	36th International Symposium on Remote Sensing of Environment	10.5194/isprSARchives-XL-7-W3-991-2015
1934	Kolega N	2015	Coastline changes on the Slovenian coast between 1954 and 2010	Geography; Coastline; Slovenian Coast; Aerial Photography; Digital Shoreline Analysis System	2	Acta Geographica Slovenica-Geografski Zbornik	NA
1935	Oliveira L; Souza R	2015	Estuarine morphodynamics and variations of the Ebb tidal delta in the Vazabarris river SE Brazil	Sandy BaRS; Bypassing Sediment; Coastal Sedimentation Processes	1	Revista Brasileira De Geomorfologia	NA

1938	Hegde A; Akshaya B	2015	Shoreline transformation study of Karnataka coast geospatial approach	Shoreline Change; Karnataka Coast; DSAS; Landsat	16	International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15)	10.1016/j.aqpro.2015.02.021
1939	Shetty A; Jayappa K; Mitra D	2015	Shoreline change analysis of Mangalore coast and morphometric analysis of Netravathigurupur and Mulkypavanje spits	Remote Sensing; GIS; Shoreline Changes; Seawalls; BreakwaterRS	11	International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15)	10.1016/j.aqpro.2015.02.025
1940	Salghuna N; Bharathvaj S	2015	Shoreline change analysis for northern part of the Coromandel coast	Shoreline Change; Remote Sensing; GIS; DSAS	11	International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCCOE'15)	10.1016/j.aqpro.2015.02.043
1941	Sankari T; Chandramouli A; Gokul K; Surya S; SARavanavel J	2015	Coastal vulnerability mapping using geospatial technologies in Cuddalore-Pichavaram coastal tract, Tamil Nadu, India	Cuddalore-Pichavaram Coast; USGS Classification; Remote Sensing; GIS Tools; Coastal Vulnerability	15	International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15)	10.1016/j.aqpro.2015.02.055

1942	Parvathy K; Noujas V; Thomas K; Ramesh H	2015	Impact of mudbanks on coastal dynamics	Mudbanks; Coastal Dynamics; Shoreline Change; Alleppy Coast	4	International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15)	10.1016/j.aqpro.2015.02.196
1945	Aedla R; Dwarakish G; Reddy D	2015	Automatic shoreline detection and change detection analysis of netravatigurpurrivermouth using histogram equalization and adaptive thresholding techniques	Histogram Equalization; Thresholding; Shoreline; Remote Sensing; Digital Shoreline Analysis System	57	International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE'15)	10.1016/j.aqpro.2015.02.073
736	Rajasree B; Deo M; Sheela N L	2016	Effect of climate change on shoreline shifts at a straight and continuous coast	Climate Change; Neural Network; Sediment Transport; Shoreline Changes	23	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2016.10.034
737	Immanuvel D T; Mukesh M; Kumaravel S; Sabeen H	2016	Long and short-term variations in shore morphology of van island in Gulf of Mannar using remote sensing images and DSAS analysis	End Point Rate; High Erosion; Long-Term Changes; Shoreline Changes; Short-Term Changes	8	Arabian Journal of Geosciences	10.1007/s12517-016-2772-4
738	Puig M; Del R L; Plomaritis T; Benavente J	2016	Contribution of storms to shoreline changes in mesotidal dissipative beaches: case study in the Gulf of Cádiz SW Spain	NA	7	Natural Hazards and Earth System Sciences	10.5194/nhess-16-2543-2016
739	Jayakumar K; Malarvannan S	2016	Assessment of shoreline changes over the northern Tamil Nadu coast south India using webGIS techniques	Coastal Zone; Overlay Analysis; Shoreline Change; Spatial Datasets; Temporal Analysis; WebGIS	14	Journal of Coastal Conservation	10.1007/s11852-016-0461-9

740	El-Asmar H; Taha M; El-Sorogy A	2016	Morphodynamic changes as an impact of human intervention at the Ras Elbar Damietta harbor coast NW Damietta Promontory Nile delta, Egypt	Beach; Damietta Harbor; Dynamic; Geomorphology; Human Impact; Nile Delta; Ras El-Bar	8	Journal of African Earth Sciences	10.1016/j.jafrearsci.2016.09.035
741	Durán R; Guillén J; Ruiz A; Jiménez J; Sagristà E	2016	Morphological changes beach inundation and overwash caused by an extreme storm on a lowlying embayed beach bounded by a dune system NW Mediterranean	LIDAR; Sediment Budget; Shoreline Erosion and Accretion; Vulnerability	15	Geomorphology	10.1016/j.geomorph.2016.09.012
742	Ding X; Zou X; Yu T	2016	Coastline detection in SAR images using discriminant cuts segmentation	NA	1	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/46/1/012035
743	Guo Q; Pu R; Zhang B; Gao L	2016	A comparative study of coastline changes at Tampa Bay and Xiangshan harbor during the last 30 years	Change Detection; Coastline Extraction; Landsat Imagery; Long-Term Monitoring	11	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2016.7730351
744	Suursaar U; Tõnisson H; Kont A	2016	Assessing storm-related geomorphic shoreline changes based on GPS surveys old maps and aerial photographs	Baltic Sea; Coastal Erosion; GIS; GPS; Shoreline Changes; Storm Vulnerability; Waves	0	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2016.7730402
745	Sreenivasulu G; Jayaraju N; Sundara R B; Lakshmi P T; Lakshmana B; Nagalakshmi K; Prashanth M	2016	River mouth dynamics of Swarnamukhi estuary Nellore coast southeast coast of India	Erosion and Accretion; River Mouth Dynamics; Swarnamukhi Estuary	4	Geodesy and Geodynamics	10.1016/j.geog.2016.09.003
746	Cellone F; Carol E; Tosi L	2016	Coastal erosion and loss of wetlands in the middle Río de la Plata estuary, Argentina	Coastal Wetlands; DSAS; Erosion; Rates of Shoreline Change	32	Applied Geography	10.1016/j.apgeog.2016.09.014

747	Kermani S; Boutiba M; Guendouz M; Guettouche M; Khelfani D	2016	Detection and analysis of shoreline changes using geospatial tools and automatic computation: case of Jijelian sandy coast east Algeria	Corrected Aerial Photographs; EPR & LRR; GIS; Satellite Image (Quickbird); Shoreline Changes Accretion/Erosion	54	Ocean and Coastal Management	10.1016/j.ocecoaman.2016.08. 010
748	Temiz F; Durduran S	2016	Monitoring coastline change using remote sensing and GIS technology: A case study of Acigöl lake, Turkey	NA	6	IOP Conference Series: Earth and Environmental Science	10.1088/1755- 1315/44/4/042033
749	Michalowska K; Glowienka E; Hejmanowska B	2016	Temporal satellite images in the process of automatic efficient detection of changes of the Baltic sea coastal zone	NA	4	IOP Conference Series: Earth and Environmental Science	10.1088/1755- 1315/44/4/042019
750	Shi P; Wang F; Shang Z; Kang H; Xiao G; Yang J; Li J; Jiang X; Chen Y; Tian L; Li Y	2016	The present situation and changing characteristics of the shorelines along Tianjinhebei coastal areas and proposal for protection	Artificial Shoreline; Natural Shoreline; Remote Sensing; Semi-Developed Shoreline; Tianjin- Hebei Coastal Areas	1	Geological Bulletin of China	NA
751	Anfuso G; Bowman D; Danese C; Pranzini E	2016	Transect based analysis versus area based analysis to quantify shoreline displacement spatial resolution issues	Beach Erosion; Beach Survey; Shore Protection; Shoreline Evolution	17	Environmental Monitoring and Assessment	10.1007/s10661-016-5571-1
752	Samanta S; Paul S	2016	Geospatial analysis of shoreline and land use land cover changes through remote sensing and GIS techniques	Coastal Processes; Geographical Information System; Land Use/Land Cover; Remote Sensing; Shoreline Change	6	Modeling Earth Systems and Environment	10.1007/s40808-016-0180-0
753	Roy S; Mahmood R	2016	Monitoring shoreline dynamics using Landsat and hydrological data: A case study of Sandwip island of Bangladesh	NA	9	Pennsylvania Geographer	NA

754	Hou X; Wu T; Hou W; Chen Q; Wang Y; Yu L	2016	Characteristics of coastline changes in mainland China since the early 1940s	Bay Area; China; Coastline Change Rate; Coastline Fractal Dimension; Coastline Structure; Land-Sea Change; Mainland Coastline	64	Science China Earth Sciences	10.1007/s11430-016-5317-5
755	Jonah F; Boateng I; Osman A; Shimba M; Mensah E; Adu-Boahen K; Chuku E; Effah E	2016	Shoreline change analysis using end point rate and net shoreline movement statistics an application to Elmina, Cape Coast and Moree section of Ghana's coast	Beach Sand Mining; Coastal Erosion Management; Ghana; GIS; Shoreline Change Monitoring	22	Regional Studies In Marine Science	10.1016/j.rsma.2016.05.003
756	Yingbiao C; Wu Z; Qinglan Q; Zihao Z; Han F	2016	Dynamic monitoring and spatiotemporal evolution of the coastline in Pearl river estuary in recent fifty years	Object-Oriented; Shoreline Change; Spatiotemporal Evolution; The Pearl River Estuary	3	4th International Workshop on Earth Observation and Remote Sensing Applications, Eorsa 2016 - Proceedings	10.1109/EORSA.2016.7552772
757	Wen S; Fengshou Z; Xiang W; Zizhu W; Fei L; Fei W; Xinxin W; Xu X	2016	Hazard degree assessment of coastal erosion at Tianlongsi adjacent sandy coast	Coastal Erosion; Erosion Rate; Hazard Degree Assessment; Sandy Coast	1	4th International Workshop on Earth Observation and Remote Sensing Applications, Eorsa 2016 - Proceedings	10.1109/EORSA.2016.7552843
758	Chenthamil S; Kankara R; Markose V; Rajan B; Prabhu K	2016	Shoreline change and impacts of coastal protection structures on Puducherry SE coast of India	Accretion; DSAS; Erosion; GIS; Weighted Linear Regression	15	Natural Hazards	10.1007/s11069-016-2332-y

759	Rosli M; Ahmad M; Kaamin M; Izhar M	2016	Shoreline delineation and land reclamation change detection using Landsat image	Erosion; Land Reclamation; Land Use; Shoreline Changes	0	IOP Conference Series: Materials Science and Engineering	10.1088/1757-899X/136/1/012040
760	Da S G; Muler M; Prado M; Short A; Da F K A; Toldo J	2016	Shoreline change analysis and insight into the sediment transport path along santa catarina island north shore Brazil	Beach Rotation; Headland Bypassing; Historical Trends; Pocket Beaches; Shoreline Evolution; Spits	21	Journal of Coastal Research	10.2112/JCOASTRES-D-15-00164.1
761	Ashraful I M; Mitra D; Dewan A; Akhter S	2016	Coastal multi-hazard vulnerability assessment along the Ganges deltaic coast of Bangladesh: A geospatial approach	Climatic Change; CVI; Ganges Deltaic Coast; Geospatial Techniques; Shoreline	109	Ocean and Coastal Management	10.1016/j.ocecoaman.2016.03.012
762	Jangir B; Satyanarayana A; Swati S; Jayaram C; Chowdary V; Dadhwal V	2016	Delineation of spatiotemporal changes of shoreline and geomorphological features of Odisha coast of India using remote sensing and GIS techniques	Geomorphology; Land Cover; Remote Sensing; Shoreline; Tropical Cyclone	21	Natural Hazards	10.1007/s11069-016-2252-x
763	Radosavljevic B; Lantuit H; Pollard W; Overduin P; Couture N; Sachs T; Helm V; Fritz M	2016	Erosion and flooding threats to coastal infrastructure in the Arctic: A case study from Herschel island Yukon territory, Canada	Arctic; Coastal Erosion; Permafrost Coasts; UNESCO; Vulnerability Mapping	52	Estuaries and Coasts	10.1007/s12237-015-0046-0
764	Li W; Gong P	2016	Continuous monitoring of coastline dynamics in western Florida with a 30year time series of Landsat imagery	Coastline Dynamics; Satellite Imagery; Trend Analysis	99	Remote Sensing of Environment	10.1016/j.rse.2016.03.031
765	Ghosh A; Mukhopadhyay S	2016	Quantitative study on shoreline changes and erosion hazard assessment: case study in Murigangasaptamukhi interfluvial Sundarban India	Deposition; Erosion; Erosion Hazard Assessment; Estuary; Shoreline Changes; Sundarban	15	Modeling Earth Systems and Environment	10.1007/s40808-016-0130-x

766	Jana A; Maiti S; Biswas A	2016	Analysis of short-term shoreline oscillations along Midnapurbalasore coast Bay of Bengal India a study based on geospatial technology	Landsat Etm+; Littoral Cell; Midnapur-Balasore Coast; Remote Sensing; Shoreline Change Rate; Shoreline Oscillations	12	Modeling Earth Systems and Environment	10.1007/s40808-016-0117-7
767	Thomas T; Williams A; Rangel-Buitrago N; Phillips M; Anfuso G	2016	Assessing embayed equilibrium state beach rotation and environmental forcing influences Tenby southwest Wales, UK	Beach Rotation; Equilibrium Assessments Environmental Forcing Influences; GIS Platform; Morphological Change	8	Journal of Marine Science and Engineering	10.3390/jmse4020030
768	Anastasiou S; Sylaios G	2016	Assessment of shoreline changes and evaluation of coastal protection methods to mitigate erosion	Coastline Change; Erosion; LITPACK; Morphodynamic Modeling; Protection Structures; Satellite Image Analysis	6	Coastal Engineering Journal	10.1142/S0578563416500066
769	Xu N; Gong P	2016	The impact of hurricane Katrina on the coastline west of New Orleans USA	Change Detection; Coastline; Hurricane Katrina; Natural Hazard; Remote Sensing	2	Kexue tongbao/Chinese Science Bulletin	10.1360/N972015-01063
770	Purkis S; Gardiner R; Johnston M; Sheppard C	2016	A half-century of coastline change in Diego Garcia the largest Atoll island in the Chagos	Atoll Island; Chagos; Indian Ocean; Morphological Adjustment; Sea-Level Rise	37	Geomorphology	10.1016/j.geomorph.2016.03.010
771	Albert S; Leon J; Grinham A; Church J; Gibbes B; Woodroffe C	2016	Interactions between sea-level rise and wave exposure on reef island dynamics in the Solomon Islands	Coastal Erosion; Pacific Islands; Sea-Level Rise	131	Environmental Research Letters	10.1088/1748-9326/11/5/054011
772	Markose V; Rajan B; Kankara R; Chenthamil S; Dhanalakshmi S	2016	Quantitative analysis of temporal variations on shoreline change pattern along Ganjam district Odisha east coast of India	Cyclone; DSAS; Erosion; Rushikulya River; Weighted Linear Regression	11	Environmental Earth Sciences	10.1007/s12665-016-5723-1

773	Bracs M; Turner I; Splinter K; Short A; Lane C; Davidson M; Goodwin I; Pritchard T; Cameron D	2016	Evaluation of opportunistic shoreline monitoring capability utilizing existing surfcam infrastructure	Beach Monitoring; Coastal Imaging; Coastal Management	21	Journal of Coastal Research	10.2112/JCOASTRES-D-14-00090.1
774	Mann T; Bayliss-Smith T; Westphal H	2016	A geomorphic interpretation of shoreline change rates on reef islands	Atolls; Coral Islands; Geomorphic Equilibria; Pacific Ocean; Sea-Level Rise; Shoreline Evolution	19	Journal of Coastal Research	10.2112/JCOASTRES-D-15-00093.1
775	Xu N; Gao Z; Ning J	2016	Analysis of the characteristics and causes of coastline variation in the Bohai Rim 1980-2010	DSAS; GIS; RS; Spatial and Temporal Variation	17	Environmental Earth Sciences	10.1007/s12665-016-5452-5
776	Soedarti T; Rinanda O; Soegianto A	2016	Monitoring of coastline change using remote sensing data at south Pamekasan	Change; Coastline; Remote Sensing; South Pamekasan	0	AIP Conference Proceedings	10.1063/1.4943321
777	Mann T; Westphal H	2016	Multidecadal shoreline changes on Takú Atoll Papua New Guinea observational evidence of early reef island recovery after the impact of storm waves	High-Magnitude Event; Reef Island Dynamics; Sea-Level Rise; Shoreline Fluctuation	15	Geomorphology	10.1016/j.geomorph.2015.12.028
778	Jonah F; Mensah E; Edziyie R; Agbo N; Adjei-Boateng D	2016	Coastal erosion in Ghana: Causes, policies, and management	Climate Change; Coastal Erosion; Coastal Management; Shoreline Change	12	Coastal Management	10.1080/08920753.2016.1135273
779	Ondoa G; Almar R; Kestenare E; Bahini A; Houngue G; Jouanno J; Du P Y; Castelle B; Melet A; Meyssignac B; Anthony E; Laibi R; Alory G; Ranasinghe R	2016	Potential of video cameras in assessing event and seasonal coastline behaviour Grand Popo Benin, Gulf of Guinea	Bight of Benin; Longshore Sediment Transport; Regional Climate; Sea Level; Shoreline; Tide; Video Remote Sensing; Waves	18	Journal of Coastal Research	10.2112/SI75-089.1
780	Mulcahy N; Kennedy D; Blanchon P	2016	Hurricane-induced shoreline change and post-storm recovery northeastern Yucatan Peninsula, Mexico	Barrier Beaches; Hurricanes; Shoreline Change	4	Journal of Coastal Research	10.2112/SI75-239.1
781	Choi K; Kim J; Lee J	2016	Migration of coastal erosional hotspots due to coastal protection structures	Beach Erosion; BreakwaterRS; Coastal Disaster; Shoreline Change	5	Journal of Coastal Research	10.2112/SI75-213.1

782	Haghshenas S; Arab A; Bakhtiari A; Attari M; Risk M	2016	Decadal evolution of Mond river delta the Persian Gulf	Mond River Delta; Morphological Change; Satellite Imagery Analysis	2	Journal of Coastal Research	10.2112/SI75-162.1
783	Jeong S; Khim B; Jo Y; Kim B; Lee S; Park K	2016	Shoreline change rate of the barrier islands in Nakdong river estuary over the southern part of Korea	Barrier Islands; Nakdong River Estuary; Shoreline Change	1	Journal of Coastal Research	10.2112/SI75-050.1
784	Kinsela M; Morris B; Daley M; Hanslow D	2016	A flexible approach to forecasting coastline change on wave dominated beaches	Coastal Hazards; Probabilistic Modelling; Sediment Budget; Southeast Australia	12	Journal of Coastal Research	10.2112/SI75-191.1
785	Angnuureng D; Almar R; Addo K; Castelle B; Senechal N; Laryea S; Wiafe G	2016	Video observation of waves and shoreline change on the microtidal James town beach in Ghana	Beach Profile Changes; Shoreline Location; Wave Modeling	11	Journal of Coastal Research	10.2112/SI75-205.1
786	Lin T	2016	Morphological response to the installation of detached breakwaters along the Cigu coast of Tainan, Taiwan	Coastal Management; Detached Breakwaters; Engineering Structures; Morphological Change; Windblown Sand	0	Journal of Coastal Research	10.2112/SI75-178.1
787	Zhang X; Zhang Y; Ji Y; Zhang Y; Yang Z	2016	Shoreline change of the northern Yellow river Huanghe delta after the latest deltaic course shift in 1976 and its influence factors	Shoreline Change; Slope Coefficient; Tidal Height; Yellow River Delta	12	Journal of Coastal Research	10.2112/SI74-005.1
788	Bheeroo R; Chandrasekar N; Kaliraj S; Magesh N	2016	Shoreline change rate and erosion risk assessment along the Trou Aux Bichesmont Choisy beach on the northwest coast of Mauritius using GIS-DSAS technique	Coastal Erosion Risk; DSAS; Geospatial Technique; Mauritius; Remote Sensing and GIS; Shoreline Change; Trou Aux Biches	42	Environmental Earth Sciences	10.1007/s12665-016-5311-4
789	Sukcharoenpong A; Yilmaz A; Li R	2016	An integrated active contour approach to shoreline mapping using HSI and DEM	Active Contour Method; Data Integration; HypeRSpectral Imagery (HSI); Level	12	IEEE Transactions on Geoscience and Remote Sensing	10.1109/TGRS.2015.2483641

Sets; Shoreline
Mapping

790	Nandi S; Ghosh M; Kundu A; Dutta D; Baksi M	2016	Shoreline shifting and its prediction using remote sensing and GIS techniques: A case study of Sagar island west Bengal, India	End Point Rate; India; Linear Regression Model; Sagar Island; Shoreline Change Rate; Shoreline Prediction; Tasseled Cap	52	Journal of Coastal Conservation	10.1007/s11852-015-0418-4
791	Almonacid-Caballer J; Sánchez-García E; Pardo-Pascual J; Balaguer-Beser A; Palomar-Vázquez J	2016	Evaluation of annual mean shoreline position deduced from Landsat imagery as a mid-term coastal evolution indicator	Annual Mean Shoreline; Bias Seaward Landsat Shorelines; Landsat Imagery; Mid-Term Coastal Evolution	69	Marine Geology	10.1016/j.margeo.2015.12.015
792	Fan J; Chu J; Jiang D; Liu F; Yao W	2016	Remote sensing images coastline detection based on geometric active contour models	Coastline Change; Geometric Active Contour Model; Remote Sensing; SAR	5	Proceedings of 6th International Conference on Intelligent Control and Information Processing, ICICIP 2015	10.1109/ICICIP.2015.7388197
793	Choung Y; Jo M	2016	Shoreline change assessment for various types of coasts using multitemporal Landsat imagery of the east coast of South Korea	NA	29	Remote Sensing Letters	10.1080/2150704X.2015.1109157
794	Yunus A; Dou J; Avtar R; Narayana A	2016	Shoreline and coastal morphological changes induced by the 2004 Indian ocean tsunami in the Katchal island Andaman and Nicobar: A study using archived satellite images	2004 Tsunami; Andaman and Nicobar; Erosion; Recovery; Remote Sensing	4	Coastal Research Library	10.1007/978-3-319-28528-3_5

795	Sun W; Sun Z; Lu X; Wang M; Wang W	2016	Relationship between coastline changes and the landscape pattern heterogeneity of the salt marshes in the Yellow river delta China	Coastline Change; Landscape Pattern; Salt MaRSh; Yellow River Delta	3	Shengtai Xuebao	10.5846/stxb201401070053
796	Narayana A	2016	Shoreline changes	NA	1	Encyclopedia of Earth Sciences Series	10.1007/978-94-017-8801-4_118
797	Anil A G H; Sahin C; Yuksel Y; Çevik E	2016	Numerical investigation of the impact of a groin system on shoreline evolution	Black Sea Coast; Groin System; LITPACK; Shoreline Evolution	0	Proceedings of The Coastal Engineering Conference	NA
798	Mikami Y; KoBayashi A; Uda T; Noshi Y	2016	Longterm shoreline changes on marginal coast of tidal flat in Tokyo Bay and rapid deformation of sand bars owing to tsunami	2011 Tsunami; Aerial Photographs; Banzu Tidal Flat; Longshore Sand Transport; Shoreline Changes; Tokyo Bay	0	Proceedings of The Coastal Engineering Conference	NA
799	Rabi S; Collander B; Beltran C; Palo R; Montes J; Garcia P	2016	Beach profile dynamics in Dulag Leyte Philippines using Landsat imagery	DSAS; Landsat; Shoreline; Shoreline Dynamics	0	37th Asian Conference on Remote Sensing, ACRS 2016	NA
800	Dewi R; Bijker W; Stein A	2016	Multitemporal image analysis for monitoring the changes in fuzzy shorelines	Coastal Inundation; Confusion Index; Indonesia; Shoreline Change	0	37th Asian Conference on Remote Sensing, ACRS 2016	NA
801	Manaf S; Mustapha N; Sulaiman M; Husin N; Hamid M	2016	Monitoring shoreline changes in west coast of peninsular Malaysia using statistical analysis techniques	Satellite Image; Shoreline Assessment; Shoreline Change; Shoreline Extraction; Shoreline Prediction	1	37th Asian Conference on Remote Sensing, ACRS 2016	NA
802	Joesidawati M; Suntoyo S	2016	Shoreline change in Tuban district East Java using geospatial and digital shoreline analysis system DSAS techniques	DSAS; Landsat; Shoreline Change; The Amount of Shoreline	5	International Journal of Oceans and Oceanography	NA

803	Lee I	2016	Instantaneous shoreline mapping from WorldView2 satellite images by using shadow analysis and spectrum matching techniques	Image Analysis; Image Segmentation; Oceanography; Remote Sensing	2	Journal of Marine Science and Technology (Taiwan)	10.6119/JMST-016-1026-9
804	Obu J; Lantuit H; Fritz M; Pollard W; Sachs T; Günther F	2016	Relation between planimetric and volumetric measurements of permafrost coast erosion a case study from Herschel island western Canadian Arctic	Carbon Fluxes; Coastal Erosion; Digital Elevation Model; Landslides; LIDAR; Mass Wasting	18	Polar Research	10.3402/polar.v35.30313
805	Kallepalli A; Kakani N; James D	2016	Remote sensing and GIS analysis for demarcation of coastal hazard line along the highly eroding Krishna Godavari delta front	Coastal Erosion; Coastal Zone Management; Hazard Line Demarcation; Lobal Warming; Sea Level Rise; Shoreline Change	1	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2239485
806	Al-Mansoori S; Al-Marzouqi F	2016	Coastline change mapping using a spectral band method and Sobel edge operator	Band Ratios; Coastline Extraction; Dubaisat-1; Dubaisat-2; Normalized Difference Vegetation Index (NDVI); Normalized Difference Water Index (DNWI); Remote Sensing; Sobel Edge Operator	1	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2242046
807	Yi W; Yu X; Cui S	2016	Analysis method of waterline change from nearshore video images based on ant colony optimization	Ant Colony Optimization; Cielab Color Model; Coastal Zone Monitoring; Video Image; Waterline Detection	0	Haiyang Xuebao	10.3969/j.jssn.0253-4193.2016.07.007

808	Liu Y; Chen B; Liu L; Li P; Du J; Feng A	2016	Coastal erosion and its cause analysis in different spatial temporal scales based on multi sources data in Dongshan island of Fujian province	Beach Profile; Coastal Erosion; Dongshan Island; Multi Source Data; Remote Sensing	3	Haiyang Xuebao	10.3969/j.issn.0253-4193.2016.03.010
809	Besset M; Anthony E; Brunier G; Dussouillez P	2016	Shoreline change of the Mekong river delta along the southern part of the south China sea coast using satellite image analysis 1973-2014 evolution du littoral du delta du fleuve mékong le long de la partie sud de la mer de chine méridionale à partir dune analyse dimages satellites 1973-2014	Coastal Erosion; M Angrov Es; Mekong Delta; Satellite IM Ages; South China Sea	15	Geomorphologie: Relief, Processus, Environnement	10.4000/geomorphologie.11336
810	Čermáková I; Komárková J; Sedlák P	2016	Using UAV to detect shoreline changes: case study Pohranov pond, Czech Republic	Change The Landscape; Landscape; Landscape Indices; Pohranov Pond; UAV	9	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XLI-B1-803-2016
811	Michalowska K; Glowienka E; Pekala A	2016	Spatialtemporal detection of changes on the southern coast of the Baltic sea based on multi-temporal aerial photographs	Airborne Orthophotomap; Baltic Sea; Change Detection; Coastal Area; Multitemporal Data	5	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XLI-B2-49-2016

812	Sabuncu A; Dogru A; Ozener H; Turgut B	2016	Detection of coastline deformation using remote sensing and geodetic surveys	Geodetic Survey; GPS; Landsat 5; Landsat 7; Remote Sensing; Shoreline	6	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XLI-B8-1169-2016
813	Mi H; Wang W; Qiao G	2016	Shanghai shoreline evolution interpreted from historical atlas and remote sensing imagery over the past 2,200 years	Atlas; Evolution; Remote Sensing; Shanghai; Shoreline Change	1	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XLI-B8-1157-2016
814	Kröhnert M	2016	Automatic waterline extraction from smartphone images	Crowdsourcing; Flood Monitoring; Image Analysis; Smartphones; Texture Measures	3	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprSARchives-XLI-B5-857-2016
815	Beluru J A; Hegde A	2016	GIS based approach for vulnerability assessment of the Karnataka coast India	NA	16	Advances In Civil Engineering	10.1155/2016/5642523
816	Yunus M; Omar C; Ismail Z	2016	GIS-based assessment of mangrove response to shoreline change along the coast of Kukup island Johor	DSAS; GIS; Mangrove; Shoreline; Statistical Method	0	Arpn Journal of Engineering and Applied Sciences	NA
817	Dewi R; Bijker W; Stein A; Marfai M	2016	Fuzzy classification for shoreline change monitoring in a part of the northern coastal area of Java, Indonesia	Coastal Inundation; Fuzzy Classification; Indonesia; Shoreline Change; Uncertainty	31	Remote Sensing	10.3390/rs8030190

818	Wu T; Hou X	2016	Review of research on coastline changes	Accuracy Control; Coastline; Driving FactorS; Extraction by Remote Sensing; Spatial Variation	12	Shengtai Xuebao	10.5846/stxb201406181270
819	Ayadi K; Boutiba M; Sabatier F; Guettouche M	2016	Detection and analysis of historical variations in the shoreline using digital aerial photos satellite images and topographic surveys dGPS: case of the Bejaia Bay east Algeria	Advance; Aerial Photographs; Bejaia Bay; Coastal Erosion; Coastline; Retreat	26	Arabian Journal of Geosciences	10.1007/s12517-015-2043-9
1431	Liu Y; Li J; Yuan Q; Shi X; Pu R; Yang L; Lu X	2016	Comparative research on the impact of human activities on changes in coastline and landscape in Bay areas a case study with Xiangshangang Bay, China and Tampa Bay, USA	Bay Coastline; Bay Landscape; Coastline Change; Human Activities; Tampa Bay; Xiangshangang Bay	4	Dili Xuebao/Acta Geographica Sinica	10.11821/dlxb201601007
1432	Hou X; Hou W; Wu T	2016	Shape changes of major Gulfs along the mainland of China since the early 1940s	China; Gulf; Gulf Area; Gulf Centroid; Gulf Shape Index; Sea Reclamation; Shoreline Change; Shoreline Structure	7	Dili Xuebao/Acta Geographica Sinica	10.11821/dlxb201601009
1847	Puig M; Del R L; Plomaritis T; Benavente J	2016	Contribution of storms to shoreline changes in mesotidal dissipative beaches: case study in the Gulf of Cadiz SW Spain	NA	5	Natural Hazards and Earth System Sciences	10.5194/nhess-16-2543-2016
1851	De A I; Carvalho B; Guerra J	2016	Applying Landsat imagery to the study of morphological variations of sandy spits along the Caravelas coastal plain NE Brazil	Coastal Geomorphology; Remote Sensing; Coastal Processes	0	Revista Brasileira De Geomorfologia	10.20502/rbg.v17i4.843
1869	Besset M; Anthony E; Brunier G; Dussouillez P	2016	Shoreline change of the Mekong river delta along the southern part of the south China sea coast using satellite image analysis 1973-2014	Mekong Delta; South China Sea; Coastal Erosion; Mangroves; Satellite Images	12	Geomorphologie-Relief Processus Environnement	10.4000/geomorphologie.11336

1871	Mann T; Westphal H	2016	Multidecadal shoreline changes on Taku Atoll Papua New Guinea observational evidence of early reef island recovery after the impact of storm waves	Reef Island Dynamics; High-Magnitude Event; Shoreline Fluctuation; Sea-Level Rise	10	Geomorphology	10.1016/j.geomorph.2015.12.028
1886	Temiz F; Durduran S	2016	Monitoring coastline change using remote sensing and GIS technology: A case study of Acigol lake: Turkey	NA	5	World Multidisciplinary Earth Sciences Symposium (Wmess 2016), Pts 1-4	10.1088/1755-1315/44/4/042033
1887	Starek M; Harmon R; Mitasova H	2016	Fort fisher NC past and present a geospatial analysis using Lidar and GIS	LIDAR; Coastal Erosion; Civil War; Spatial Modeling	0	Military Geosciences and Desert Warfare: Past Lessons and Modern Challenges	10.1007/978-1-4939-3429-4_7
645	Fuad M; Fais D A M	2017	Automatic detection of decadal shoreline change on northern coastal of Gresik east Java, Indonesia	DSAS; Gresik Coast; Landsat Imagery; Shoreline Change	5	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/98/1/012001
646	Overbeck J; Buzard R; Maio C	2017	Storm impacts in western Alaska documenting shoreline change and flooding through remote sensing and community-based monitoring	Community-Based Monitoring; Erosion; Flooding; Time-Lapse; Western Alaska	0	Oceans 2017 - Anchorage	NA
647	Kupilik M; Witmer F; Wang C	2017	Predictive Arctic coastal erosion modeling via gaussian process identification	Coastal Erosion; Gaussian Process; Machine Learning	1	Oceans 2017 - Anchorage	NA
648	Fraser C; Bernatchez P; Dugas S	2017	Development of a GIS coastal land use planning tool for coastal erosion adaptation based on the exposure of buildings and infrastructure to coastal erosion Québec, Canada	Adaptation Tool; Coastal Erosion; Coastal Hazards; Exposure Assessment; GIS Planning Tool; Knowledge Transfer Process; Vulnerability	15	Geomatics, Natural Hazards and Risk	10.1080/19475705.2017.1294114

649	Temiz F; Bozdag A; Durduran S; Gumus M	2017	Monitoring coastline change using remote sensing and GIS technology: A case study of Burdur lake, Turkey	Burdur Lake; GIS; Land Use; Remote Sensing; Swot Analysis	7	Fresenius Environmental Bulletin	NA
650	Rumyantsev V; Pozdnyakov S; Ulichev V; Chichkova E; Ryzhikov D	2017	Evaluation of the variability of the shoreline of the Tsimlyansk reservoir and lake Ilmen according to space sounding data	Lake Ilmen; Landsat; Remote Sensing; Shoreline; Terra/Modis; Tsimlyansk Reservoir; Water Code of The Russian Federation; Water Level; Water Protection Zone	1	Izvestiya - Atmospheric and Ocean Physics	10.1134/S0001433817090262
651	Duvat V; Volto N; Salmon C	2017	Impacts of category 5 tropical cyclone Fantala April 2016 on Farquhar Atoll Seychelles islands, Indian ocean	Atoll Reef Islands; Satellite Image Analysis; Sediment Transport Pathways; Seychelles Islands; Shoreline Changes; Tropical Cyclone Impacts	13	Geomorphology	10.1016/j.geomorph.2017.09.022
652	Eom J; Lee C; Jang J; Choi J; Park S	2017	Study on environmental change monitoring between shoreline change and suspended sediment concentration using Landsat images in Nakdong river, Korea	Landsat Tm/Etm+; Nakdong River; Shoreline Change; Suspended Sediment Concentration (SSX)	0	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2017.8127779
653	Banks S; Millard K; Behnamian A; White L; Ullmann T; Charbonneau F; Chen Z; Wang H; Pasher J; Duffe J	2017	Contributions of actual and simulated satellite SAR data for substrate type differentiation and shoreline mapping in the Canadian Arctic	Arctic; Radarsat Constellation Mission; Radarsat-2; Random Forests; Shorelines	13	Remote Sensing	10.3390/rs9121206
654	Tan C; Mohd-Mokhtar R; Arshad M	2017	Heading control and shoreline detection for river navigation using autonomous surface vessel	Autonomous Surface Vessel (ASV); Heading Control Scheme; Hough Transform; Image Segmentation; Shoreline Detection	0	Indian Journal of Geo-Marine Sciences	NA

655	Mohanty P; Mahendra R; Nayak R; Kumar T	2017	Impact of sea level rise and coastal slope on shoreline change along the Indian coast	Altimeter; Bruun Rule; Coastal Slope; DSAS; Landsat; Satellite Data; Sea Level Trend	4	Natural Hazards	10.1007/s11069-017-3018-9
656	Pagán J; López I; Aragonés L; Garcia-Barba J	2017	The effects of the anthropic actions on the sandy beaches of Guardamar del Segura, Spain	Anthropic; Beach Erosion; GIS; Sand; Shoreline Evolution	28	Science of The total Environment	10.1016/j.scitotenv.2017.05.272
657	Bayram B; Sen A; Selbesoglu M; Varna I; Petersons P; Aykut N; Seker D	2017	Comparison of two simplification methods for shoreline extraction from digital orthophoto images	Image Segmentation; Orthophoto Image; Shoreline Extraction; Shoreline Simplification; SLIC	0	ISPRS Annals of The Photogrammetry, Remote Sensing and Spatial Information Sciences	10.5194/isprs-annals-IV-4-W4-147-2017
658	Bayram B; Erdem F; Akpınar B; Ince A; Bozkurt S; Catal R H; Seker D	2017	The efficiency of random forest method for shoreline extraction from Landsat-8 and GOKTURK2 imageries	Gokturk-2; Image Segmentation; Landsat-8; Random Forest; Shoreline Extraction	7	ISPRS Annals of The Photogrammetry, Remote Sensing and Spatial Information Sciences	10.5194/isprs-annals-IV-4-W4-141-2017
659	Evadzi P; Zorita E; Hünicke B	2017	Quantifying and predicting the contribution of sea-level rise to shoreline change in Ghana information for coastal adaptation strategies	Climate Change; Coastal Impacts; Geographic Information System; Remote Sensing	11	Journal of Coastal Research	10.2112/JCOASTRES-D-16-00119.1
660	Huang C; Chen Y; Zhang S; Li L; Shi K; Liu R	2017	Spatial downscaling of Suomi NPP-VIIRS image for lake mapping	Lake Shoreline Mapping; Linear Spectral Unmixing; Poyang Lake; Subpixel Mapping; Surface Water Dynamics	6	Water (Switzerland)	10.3390/w9110834

661	Kesikoglu M; Cicekli S; Kaynak T; Ozkan C	2017	The determination of coastline changes using Artificial Neural Networks in Yamula dam lake, Turkey	Artificial Neural Networks; Change Detection; Landsat 8; Post Classification Comparison; Satellite Image	6	ICIT 2017 - 8th International Conference on Information Technology, Proceedings	10.1109/ICITECH.2017.8079936
662	Rishikeshan C; Ramesh H	2017	A novel mathematical morphology based algorithm for shoreline extraction from satellite images	Feature Extraction; Mathematical Morphology; Remote Sensing; Satellite Image Processing; Shoreline Detection	19	Geo-Spatial Information Science	10.1080/10095020.2017.1403089
663	Jana A; Maiti S; Biswas A	2017	Appraisal of longterm shoreline oscillations from a part of coastal zones of Sundarban delta eastern India: A study based on geospatial technology	Digital Shoreline Analysis System; Multispectral Satellite Data; Shoreline Change Rate; Sundarban Delta	5	Spatial Information Research	10.1007/s41324-017-0139-x
664	Yang H; Li E; Zhao Y; Liang Q	2017	Effect of water-sediment regulation and its impact on coastline and suspended sediment concentration in Yellow river estuary	Coastline; Remote Sensing; Suspended Sediment Concentration; Water-Sediment Regulation; Yellow River Estuary	17	Water Science and Engineering	10.1016/j.wse.2017.12.009
665	Barbaro G; Fiamma V; Barrile V; Foti G; Ielo G	2017	Analysis of the shoreline changes of Reggio Calabria, Italy	Causes of Evolutionary Phenomena; Interaction Between Longshore and River Sediment Transport; Rainfall Regime; Shoreline Evolution; UAV; Wave Climate	22	International Journal of Civil Engineering and Technology	NA
666	Zaggia L; Lorenzetti G; Manfé G; Scarpa G; Molinaroli E; Parnell K; Rapaglia J; Gionta M; Soomere T	2017	Fast shoreline erosion induced by ship wakes in a coastal lagoon field evidence and remote sensing analysis	NA	22	Plos One	10.1371/journal.pone.0187210

667	Yan X; Hu Y; Chang Y; Zhang D; Liu M; Guo J; Ren B	2017	Monitoring wetland changes both outside and inside reclamation areas for coastal management of the northern Liaodong Bay, China	Landscape Succession; Liaodong Bay; Reclamation; Shoreline Change	11	Wetlands	10.1007/s13157-017-0922-4
668	Xu N; Gong P	2017	Satellite observation of coastline change around Hay point Australia before and after tropical cyclone Debbie	Coastline Change; Debbie; Landsat-8 Oli; Satellite Observation; Tropical Cyclone	0	Kexue tongbao/Chinese Science Bulletin	10.1360/N972017-00451
669	Manno G; Lo R C; Ciraolo G	2017	Uncertainties in shoreline position analysis the role of run- up and tide in a gentle slope beach	NA	9	Ocean Science	10.5194/os-13-661-2017
670	Liu J; De M D; Nguyen T; Saito Y; Nguyen V; Ta T; Li X	2017	Stratigraphic formation of the Mekong river delta and its recent shoreline changes	NA	28	Oceanography	10.5670/oceanog.2017.316
671	Quang T N; Cong T H; Quang D L; Anh T T	2017	Historical monitoring of shoreline changes in the Cua Dai estuary Central Vietnam using multitemporal remote sensing data	Historical Monitoring; Muti-Temporal Satellite Remote Sensing; Shoreline Changes	11	Geosciences (Switzerland)	10.3390/geosciences7030072
672	Mitra S; Mitra D; Santra A	2017	Performance testing of selected automated coastline detection techniques applied on multispectral satellite imageries	Accuracy; Coastline; Image Processing; Kappa Statistics; Remote Sensing; Water Index	11	Earth Science Informatics	10.1007/s12145-017-0289-3
673	Didier D; Bernatchez P; Augereau E; Caulet C; Dumont D; Bismuth E; Cormier L; Floc'H F; Delacourt C	2017	Lidar validation of a video- derived beachface topography on a tidal flat	Atlantic Canada; Beach Morphology; Erosion; Mobile Terrestrial LIDAR; Shoreline Detection; Video Monitoring	9	Remote Sensing	10.3390/rs9080826
674	Zeinali S; Dehghani M; Rastegar M; Mojarrad M	2017	Detecting shoreline changes in Chabahar Bay by processing satellite images	Chabahar; Change Detection; Satellite Image; Sensor; Shoreline	1	Scientia Iranica	10.24200/sci.2017.4271

675	Alharbi O; Phillips M; Williams A; Thomas T; Hakami M; Kerbe J; Niang A; Hermas E; Al-Ghamdi K	2017	Temporal shoreline change and infrastructure influences along the southern Red sea coast of Saudi Arabia	Environmental Forcing; Human Intervention; Landsat Imagery; Shoreline Change; Wave Regime	6	Arabian Journal of Geosciences	10.1007/s12517-017-3109-7
676	Duru U	2017	Shoreline change assessment using multitemporal satellite images a case study of lake Sapanca NW Turkey	Coastal Management; DSAS; Lake Sapanca; Landsat Imagery; Shoreline Change Detection	20	Environmental Monitoring and Assessment	10.1007/s10661-017-6112-2
677	Goncalves R; Awange J	2017	Three most widely used GNSS-based shoreline monitoring methods to support integrated coastal zone management policies	Coastal Monitoring; Global Navigation Satellite Systems (Gnss); Integrated Coastal Zone Management (ICZM); Precise Point Positioning (PPP); Real-Time Kinematic (RTK); Relative Kinematic (RK); Shoreline	15	Journal of Surveying Engineering	10.1061/(ASCE)SU.1943-5428.0000219
678	Wernette P; Shortridge A; Lusch D; Arbogast A	2017	Accounting for positional uncertainty in historical shoreline change analysis without ground reference information	NA	12	International Journal of Remote Sensing	10.1080/01431161.2017.1303218
679	Ibrahim I; Asmawi M; Jaafar S	2017	Temporal geospatial shorelines changes analysis in Klang coastal area	Coastal Erosion; GIS; Klang; Remote Sensing; Shoreline	1	Advanced Science Letters	10.1166/asl.2017.9270
680	Kallepalli A; Kakani N; James D; Richardson M	2017	Digital shoreline analysis system-based change detection along the highly eroding Krishna Godavari delta front	Coastal Erosion; Coastal Zone Management; Global Warming; Hazard Line Demarcation; Sea Level Rise; Shoreline Change	10	Journal of Applied Remote Sensing	10.1117/1.JRS.11.036018

681	Muru M; Rosentau A; Kriiska A; Lõugas L; Kadakas U; Vassiljev J; Saarse L; Aunap R; Küttim L; Puusepp L; Kihno K	2017	Sea level changes and neolithic Hunterfishergatherers in the centre of Tallinn southern coast of the Gulf of Finland Baltic sea	Baltic Sea; Landscape Modelling; Neolithic Settlement; Palaeogeographic Reconstruction; Relative Sea Level; Shoreline Change	15	Holocene	10.1177/0959683616678462
682	Bugajny N; Furmańczyk K	2017	Comparison of short-term changes caused by storms along natural and protected sections of the Dziwnow spit southern Baltic coast	Dune Coast; Hydrodynamic Classification; Nontidal Sea; Shoreline Displacement; Volume Changes	7	Journal of Coastal Research	10.2112/JCOASTRES-D-16- 00055.1
683	Darwish K; Smith S; Torab M; Monsef H; Hussein O	2017	Geomorphological changes along the Nile delta coastline between 1945 and 2015 detected using satellite remote sensing and GIS	Aswan High Dam; Coastal Erosion Hazard; Coastal Morphology; DSAS; Shoreline Changes	22	Journal of Coastal Research	10.2112/JCOASTRES-D-16- 00056.1
684	Djouder F; Boutiba M	2017	Vulnerability assessment of coastal areas to sea level rise from the physical and socioeconomic parameters case of the Gulf coast of Bejaia Algeria	CVI; Geographical Information Systems; Geomorphology; Gulf Coast of Bejaia; Mediterranean Sea Level Rise; Risk	18	Arabian Journal of Geosciences	10.1007/s12517-017-3062-5
685	Vandebroek E; Lindenbergh R; Van L F; De S M; De V S; Hanssen R	2017	Semi-automated monitoring of a mega-scale beach nourishment using high-resolution TerraSAR- X satellite data	Beach Nourishment; Coastal Dynamics; High-Resolution SAR Imagery; Sand Motor; Shoreline; TerraSAR-X	15	Remote Sensing	10.3390/rs9070653
686	Selamat S; Abdul M K; Jaafar O; Ahmad H	2017	Extraction of shoreline changes in Selangor coastal area using GIS and remote sensing techniques	NA	4	Journal of Physics: Conference Series	10.1088/1742- 6596/852/1/012031

687	Tahri M; Maanan M; Maanan M; Bouksim H; Hakdaoui M	2017	Using fuzzy analytic hierarchy process multicriteria and automatic computation to analyse coastal vulnerability	Coastal Hazard; Coastal Management; Coastal Risk Vulnerability; Digital Shoreline Analysis System; Fuzzy Analytic Hierarchy Process	25	Progress In Physical Geography	10.1177/0309133317695158
688	Sunder S; Ramsankaran R; Ramakrishnan B	2017	Intercomparison of remote sensing sensing-based shoreline mapping techniques at different coastal stretches of India	AWEI; Band Ratio; Landsat; MNDWI; NDWI; Shoreline Detection	24	Environmental Monitoring and Assessment	10.1007/s10661-017-5996-1
689	Fu Y; Guo Q; Wu X; Fang H; Pan Y	2017	Analysis and prediction of changes in coastline morphology in the Bohai sea China using remote sensing	Coastline Change; Fitting; Prediction; Shape Index	5	Sustainability (Switzerland)	10.3390/su9060900
690	Zhan Y; Zhu L; Sun Y; Su X; Hou H	2017	Automatic extraction of coastline via spectral angle-distance similarity growth model	Angle-Distance Similarity; Coastline; IRS; Remote Sensing	3	Yaogan Xuebao/Journal of Remote Sensing	10.11834/jrs.20176157
691	Sadio M; Anthony E; Diaw A; Dussouillez P; Fleury J; Kane A; Almar R; Kestenare E	2017	Shoreline changes on the wave- influenced Senegal river delta West Africa the roles of natural processes and human interventions	Delta Vulnerability; Era Hindcast Waves; Langue De Barbarie Spit; Longshore Sediment Transport; River-Mouth Migration; Senegal River Delta; Spit Breaching	21	Water (Switzerland)	10.3390/w9050357
692	Pervez W; Khan S; Hussain E; Amir F; Maud M	2017	Evaluate the capability of Landsat-8 operational land imager for shoreline change detection inland water studies	Change Detection Analysis; Imaging Sciences; Operational Land Imager; Remote Sensing; Satellite Image Processing	3	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprs-Archives-XLII- 5-W1-145-2017

693	Ismail S; Zulkifley M; Hussain A; Mustafa M; Muad A	2017	Automated shoreline detection using natural colour composite on SPOT-5 satellite imagery	Natural Colour Composite; Threshold; Vegetation Indices	0	Advanced Science Letters	10.1166/asl.2017.8930
694	Paine J; Caudle T; Andrews J	2017	Shoreline and sand storage dynamics from annual airborne Lidar surveys Texas, Gulf coast	Beach Profiles; Coastal Change; Sediment Budget; Storm Erosion and Recovery	11	Journal of Coastal Research	10.2112/JCOASTRES-D-15-00241.1
695	Caudle T; Paine J	2017	Applications of coastal data collected in the Texas high school coastal monitoring program (THSCMP)	Beach; Beach Profiles; Coastal Processes; Dune; Student Monitoring; Texas Gulf Coast	2	Journal of Coastal Research	10.2112/JCOASTRES-D-16-00033.1
696	Gómez J; Byrne M; Hamilton J; Isla F	2017	Historical coastal evolution and dune vegetation in Isla Salamanca national park, Colombia	Caribbean Coast; Coastal Changes; Coastal Dunes; Dune Vegetation; Geomorphological Mapping; Radiocarbon Dating; Vegetation DiverSity	6	Journal of Coastal Research	10.2112/JCOASTRES-D-15-00189.1
697	Cao W; Li R; Chi X; Chen N; Chen J; Zhang H; Zhang F	2017	Island urbanization and its ecological consequences: A case study in the Zhoushan island east China	DMSP/OLS Nighttime Lights; Ecosystem Service; Geographically Weighted Regression; Island Management; Island Urbanization; Land Use Change	42	Ecological Indicators	10.1016/j.ecolind.2017.01.001
698	Eulie D; Walsh J; Corbett D; Mulligan R	2017	Temporal and spatial dynamics of estuarine shoreline change in the Albemarle Pamlico estuarine system North Carolina, USA	Coastal Management; Estuarine Sediments; Estuarine Shorelines; Hydrodynamic and Wave Modeling; Shoreline Erosion; Storms	17	Estuaries and Coasts	10.1007/s12237-016-0143-8

699	Watson E; Raposa K; Carey J; Wigand C; Warren R	2017	Anthropocene survival of southern New England's salt marshes	Anthropogenic Impacts; Climate Change; Coastal Adaptation; Elevation Capital; Sea Level Rise; Spartina Alterniflora; Spartina Patens; Storms; Submergence; Superstorm Sandy; Vegetation Loss; Wetlands	26	Estuaries and Coasts	10.1007/s12237-016-0166-1
700	Nayak S	2017	Coastal zone management in India present status and future needs	Coastal Management; Coastal Zone; Habitats; India; Living Resources; Processes; Water Quality	23	Geo-Spatial Information Science	10.1080/10095020.2017.1333715
701	Wang C; Zhao Y; Zou X; Xu X; Ge C	2017	Recent changing patterns of the Changjiang Yangtze river estuary caused by human activities	Changjiang (Yangtze River) Estuary; Coastal Engineering; Coastline Change; Remote Sensing; Sediment Load	3	Acta Oceanologica Sinica	10.1007/s13131-017-1017-z
702	Andreou G; Opitz R; Manning S; Fisher K; Sewell D; Georgiou A; Urban T	2017	Integrated methods for understanding and monitoring the loss of coastal archaeological sites: The case of Tochnilakkia south-central Cyprus	Aerial Photography; Coastal Archaeology; Cyprus; Eastern Mediterranean; Erosion Monitoring; Laser Scanning	15	Journal of Archaeological Science: Reports	10.1016/j.jasrep.2017.01.025
703	Emran A; Rob M; Kabir M	2017	Coastline change and erosion/accretion evolution of the Sandwip island, Bangladesh	Change Detection; Coastal Change; Erosion-Accretion; GIS; Remote Sensing	4	International Journal of Applied Geospatial Research	10.4018/IJAGR.2017040103
704	Ali W; Kaiser M; Kholief S; El-Tahan M	2017	Assessment of coastal changes along Baltim resort, Egypt using remote sensing and DSAS method	Baltim; DSAS; GIS; Landsat 8; Quality Assessment; RS; Shoreline	0	Egyptian Journal of Aquatic Biology and Fisheries	10.21608/ejabf.2017.2380

705	Ali W; Kaiser M; Kholief S; El-Tahan M	2017	Assessment of shoreline stability and solidity for future investment plans at Ras Elbar resort, Egyt	DSAS; Egypt sat; Erdas Imagine; GIS; Landsat 8; Ras El-Bar; Shoreline	1	Egyptian Journal of Aquatic Biology and Fisheries	10.21608/ejabf.2017.2377
706	Rangoonwala A; Jones C; Chi Z; Ramsey I	2017	Operational shoreline mapping with high spatial resolution radar and geographic processing	NA	0	Photogrammetric Engineering and Remote Sensing	10.14358/PERS.83.3.237
707	Son S; Kim J; Yoon H; Jung T; Do K; Shin S	2017	An observational and numerical study of stormin-duced morphologic changes at Sanpo beach Korea	Field Observation; Morphodynamic Modeling.; Sediment Transport; Storm Surge	1	Journal of Coastal Research	10.2112/SI79-068.1
708	Ahn Y; Shin B; Kim K	2017	Shoreline change monitoring using high resolution digital photogrammetric technique	Collinearity Equation; Image Process; Photogrammetric; Shoreline Change; Time Lapse Camera System	7	Journal of Coastal Research	10.2112/SI79-042.1
709	Kim H; Lee S; Min K	2017	Shoreline change analysis using airborne Lidar bathymetry for coastal monitoring	Airborne Bathymetry LIDAR; Coastal Monitoring; Erosion; Shoreline Change	17	Journal of Coastal Research	10.2112/SI79-055.1
710	Oakley B; Manzi M; Su-meersarnauth B; Boyle S	2017	The block island bluff image project using google earth spreadsheet mapper and google drive to build a database of spatially located field images of coastal bluffs	Field Images; Photo-mosaic; Repeat Photography; Shoreline Change	0	Journal of Coastal Research	10.2112/JCOASTRES-D-15-00216.1
711	Wang X; Liu Y; Ling F; Liu Y; Fang F	2017	Spatiotemporal change detection of Ningbo coastline using Landsat timeseries images during 1976-2015	Coastline Change; Landsat; Ningbo; Normalized Difference Water Index; Spatio-Temporal Pattern	43	ISPRS International Journal of Geo-Information	10.3390/ijgi6030068

712	Chen C; Maloof A	2017	Revisiting the deformed high shoreline of lake Bonneville	Great Basin; Isostasy; Lake Bonneville; Paleoclimatology; Paleoshorelines; Shorelines; Still Water Level	11	Quaternary Science Reviews	10.1016/j.quascirev.2016.12.019
713	Saputro G; Marschiavelli M; Ibrahim F; Maulana E	2017	Identification of typology related to the coastal line changes in Bantul	NA	2	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/54/1/012099
714	Mondal I; Bandyopadhyay J; Dhara S	2017	Detecting shoreline changing trends using principle component analysis in Sagar island west Bengal, India	PCA; Sagar Island; Shoreline Changing Trends	10	Spatial Information Research	10.1007/s41324-016-0076-0
715	Safak I; List J; Warner J; Kumar N	2017	Observations and 3d hydrodynamicsbased modeling of decadal-scale shoreline change along the outer banks North Carolina	Aerial Photography; Alongshore Transport; Coawst; Model Coupling; Modeling; Nc; NeaRShore Modeling; Outer Banks; Roms; Sediment Transport; Shoreline Change; Swan; Three-Dimensional; Wave Modeling	5	Coastal Engineering	10.1016/j.coastaleng.2016.11.014
716	Belova N; Shabanova N; Ogorodov S; Kamalov A; Kuznetsov D; Baranskaya A; Novikova A	2017	Erosion of permafrost coasts of kara sea near Kharasavey Cape western Yamal	Coastal Dynamics; Ground Ice; Hydro-meteorological Forcing; Permafrost; Thermal Abrasion; Thermal Denudation; Western Yamal	16	Earth's Cryosphere	10.21782/KZ1560-7496-2017-6(85-96)
717	Bryksina N; Fidaev D; Bryksin V; Zhegalina L; Eroshenko D	2017	Satellite remote sensing approaches and field measurements to tracking coastline changes of the Sambia Peninsula at the Baltic sea	Coastal Dynamics; Coastline; Exogenous Processes; Remote Methods	0	Earsel Eproceedings	10.12760/01-2017-1-04

718	Garzelli A; Zoppetti C; Pinelli G	2017	Computational efficient unsupervised coastline detection from single-polarization 1-look SAR images of complex coastal environments	Coastal Environment; Shoreline Detection; Synthetic Aperture Radar (SAR)	3	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2278688
719	Armenio E; De S F; Mossa M; Nobile B; Petrillo A	2017	Investigation on coastline evolution using longterm observations and numerical modelling	Beach Profile; GIS; LITPACK; Morphodynamics; Shoreline Modeling	6	Proceedings of The International off-shore and Polar Engineering Conference	NA
720	Liu F; Wu T; Jiang G; Meng X; Tong L; Zhang Y; Suo A; Zhu L	2017	Dynamic response of the coastline and coastal landscape patterns to Hemeroby: A case study along the south coast of Yingkou	Fractal Dimension; Hemeroby; Landscape Pattern Index; Shoreline Change	6	Shengtai Xuebao	10.5846/stxb201609211902
721	Sundaresh S; Murali R; Gaur A; Sri M	2017	Use of geospatial techniques in maritime archaeology with reference to the Tamil Nadu coast	Archaeological Sites; Coastal Habitation; Geospatial Analysis; Satellite Imageries; Shoreline Changes	0	Current Science	10.18520/cs/v113/i10/1891-1898
722	Tomko-Králo D; Kapusta J; Bugár G; Sedlák A; Hreško J	2017	Lake shoreline changes of the selected lakes in high tatra 1949-2015	Backfilling and Deposition of Mountain Lakes; Carpathians; High Tatra; Lake Shoreline; Retrospective Analysis; Slovakia	0	International Multidisciplinary Scientific Geoconference Surveying Geology and Mining Ecology Management, Sgem	10.5593/sgem2017/23/S10.020
723	Onuk N; Tezer A	2017	Analyzing Istanbul coastline changes due to legal arrangements between 1852 and 2011	Coastal Policy; Coastline Change; GIS; Istanbul; Moltke Map; Necip Bey Map	1	Wit Transactions on The Built Environment	10.2495/CC170111

724	Papakonstantinou A; Topouzelis K; Doukari M	2017	UAS close range remote sensing for mapping coastal environ- ments	Coastal Management; Marine Litter Map- ping; UAS; UAV Data Acquisition; UAV-SFM	9	Proceedings of Spie - The Interna- tional Society For Optical Engineer- ing	10.1117/12.2278988
725	O'Rourke M	2017	Archaeological site vulnerability modelling the influence of high impact storm events on models of shoreline erosion in the west- ern Canadian Arctic	(GIS); Archaeologi- cal Site Management; Coastal Erosion; Ge- ographic Information Systems; Vulnerabil- ity Mapping	33	Open Archaeology	10.1515/opar-2017-0001
726	Zhan C; Yu J; Wang Q; Li Y; Zhou D	2017	Spatial and temporal dynamics of sandy coastal geomorphology in the east of Laizhou Bay over recent 60 years	Anthropogenic Activ- ities; Geomorphic Evolution; Sandy Coast; Shoreline; Subaqueous Slope	1	Haiyang Xuebao	10.3969/j.issn.0253- 4193.2017.09.009
727	Ruz M; Hequette A; Marin D; Sipka V; Crapoulet A; Cartier A	2017	Development of an incipient foredune field along a prograd- ing macrotidal shoreline north- ern France formation dun champ de dunes embryonnaires le long dune côte macrotidale en accré- tion nord de la France	Costal Dunes; Incipi- ent Foredunes; Northern France; Shoreline Change	8	Geomorphologie: Relief, Processus, Environnement	10.4000/geomorpholo- gie.11638
728	Pervez W; Khan S; Hussain E; Amir F; Maud M	2017	Multi sensor satellitebased change detection analysis	Hyper- Spectral; Im- aging Sciences; Op- erational Land Im- ager; Remote Sens- ing; Shoreline Change Detection Analysis	0	GISTam 2017 - Pro- ceedings of The 3rd International Conference on Ge- ographical Informa- tion Systems Theory, Applica- tions and Manage- ment	NA

729	Ossa M; Henao L; Selvaraj J	2017	Detection of shoreline changes in the northern district of Buenaventura using remote sensing detección de cambios de la línea costera al norte del distrito de buenaventura mediante el uso de sensores remotos	Accretion; Buenaventura; Colombian Pacific; Erosion; Shoreline Changes	1	Boletin De Investigaciones Marinas Y Costeras	NA
730	Mutaqin B	2017	Shoreline changes analysis in kuwaru coastal area Yogyakarta Indonesia an application of the digital shoreline analysis system DSAS	Coastal; DSAS; Dynamics; GIS; Kuwaru; Processes; Shoreline; Yogyakarta	17	International Journal of Sustainable Development and Planning	10.2495/SDP-V12-N7-1203-1214
731	Masria A; Negm A; Iskander M	2017	Assessment of Nile delta coastal zone using remote sensing	Change Detection; Image Classification; Remote Sensing; Rosetta; Shoreline	1	Handbook of Environmental Chemistry	10.1007/698_2016_55
732	Chen W; Zhang D; Shi S; Zhou J; Kang M	2017	Research on monitoring coastline changes by remote sensing in muddy coast central Jiangsu coast	Coastline; Erosion and Deposition; Muddy Tidal Flat; Remote Sensing; Slope of Tidal Flat; Tide	1	Haiyang Xuebao	10.3969/j.issn.0253-4193.2017.05.013
733	Liu Q; Trinder J; Turner I	2017	Automatic super-resolution shoreline change monitoring using Landsat archival data: A case study at Narrabeencollaroy beach, Australia	Landsat; Shoreline Monitoring; Super-Resolution	40	Journal of Applied Remote Sensing	10.1117/1.JRS.11.016036
734	Ensign S; Currin C; Piehler M; Tobias C	2017	A method for using shoreline morphology to predict suspended sediment concentration in tidal creeks	Estuarine Morphology; Salt MaRSh; Sea Level Rise; Shoreline Change; Suspended Sediment; Tidal Creek	9	Geomorphology	10.1016/j.geomorph.2016.09.036
735	MuthUSAnkar G; Jonathan M; Lakshumanan C; Roy P; Srinivasa-Raju K	2017	Coastal erosion vs manmade protective structures evaluating a two-decade history from southeastern India	Accretion; Erosion; GIS; Puducherry; Seawall; Shoreline Changes; Southeast Coast of India; Tamil Nadu	4	Natural Hazards	10.1007/s11069-016-2583-7

1800	Yan Y; Zhang Z; Wang C; Zhang L; Huang Y; Zhang J	2017	Analysis of recent coastline evolution due to marine reclamation projects in the Qinzhou Bay	Qinzhou Bay; Marine Reclamation; Remote Sensing; Geospatial Analysis; Coastline Evolution	5	Polish Maritime Research	10.1515/pomr-2017-0082
1829	Fraser C; Bernatchez P; Dugas S	2017	Development of a GIS coastal landuse planning tool for coastal erosion adaptation based on the exposure of buildings and infrastructure to coastal erosion Quebec Canada	Adaptation Tool; GIS Planning Tool; Coastal Erosion; Coastal Hazards; Exposure Assessment; Vulnerability; Knowledge Transfer Process	15	Geomatics Natural Hazards & Risk	10.1080/19475705.2017.1294114
1831	Topouzelis K; Papa-konstantinou A; Doukari M	2017	Coastline change detection using Unmanned Aerial Vehicles and image processing techniques	UAV Data Acquisition; Coastal Management; Aerial Photo; Structure From Motion; Image Processing; 3d Visualization	16	Fresenius Environmental Bulletin	NA
1834	Ruz M; Hequette A; Marin D; Sipka V; Crapoulet A; Cartier A	2017	Development of an incipient foredune field along a prograding macrotidal shoreline northern France	Costal Dunes; Incipient Foredunes; Shoreline Change; Northern France	9	Geomorphologie-Relief Processus Environnement	10.4000/geomorphologie.11638
1839	Onuk N; Tezer A	2017	Analyzing Istanbul coastline changes due to legal arrangements between 1852 and 2011	Coastal Policy; Coastline Change; Moltke Map; Necip Bey Map; GIS; Istanbul	1	Coastal Cities and Their Sustainable Future II	10.2495/CC170111
1840	Pervez W; Khan S; Hussain E; Amir F; Maud M	2017	Evaluate the capability of Landsat-8 operational land imager for shoreline change detection/inland water studies	Change Detection Analysis; Satellite Image Processing; Remote Sensing; Imaging Sciences; Operational Land Imager	1	Geomatics & Restoration - Conservation of Cultural Heritage In The Digital Era	10.5194/isprs-archives-XLII-5-W1-145-2017
2213	Sunder S; Raaj R; Ramakrishnan B	2017	Intercomparison of remote sensing-based shoreline mapping techniques at different coastal stretches of India vol 189 pg 290 2017	NA	1	Environmental Monitoring and Assessment	10.1007/s10661-017-6046-8

528	Guo F; Hu T; Ying Y; Xiao J	2018	Analysis on the spatial and temporal change of the five islands in Dongtou district in the last 15 years	Coastline Change; Dongtou Island; Landcover; Reclamation	0	5th International Workshop on Earth Observation and Remote Sensing Applications, Eorsa 2018 - Proceedings	10.1109/EORSA.2018.8598625
529	Dhiauddin R; Gemilang W	2018	Coastline alteration rate of Weh island Aceh province Indonesia	NA	1	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/216/1/012010
530	Medellín G; Torres-Freyermuth A; Tomasicchio G; Francone A; Tereszkiewicz P; Lusito L; Palemón-Arcos L; López J	2018	Field and numerical study of resistance and resilience on a sea breeze dominated beach in Yucatan, Mexico	Beach Resilience; Beach Resistance; GSB Model; Resilience Index; Sea Breezes; Temporary Groin; Yucatan Peninsula	17	Water (Switzerland)	10.3390/w10121806
531	Spagnoli J; Minghelli A; Charmasson S	2018	Shoreline monitoring using WorldView-2 images along the coast of Sendai after the Tohoku tsunami in presence of Foam	Classification; Foam; Fukushima-Daiichi Nuclear Power Plant (FDNPP); High Resolution Satellite Images; Multispectral; Remote Sensing; Sendai; Shoreline; Worldview-2	0	2018 Oceans - MTS/IEEE Kobe Techno-Oceans, Oceans - Kobe 2018	10.1109/OCEANSKOB.2018.8559069
532	Appeaning A K; Jayson-Quashigah P; Codjoe S; Martey F	2018	Drone as a tool for coastal flood monitoring in the Volta delta Ghana	Coastal Erosion; Coastal Monitoring; Drone; Flooding; Unmanned Aerial Vehicle (UAV); Volta Delta	18	Geoenvironmental Disasters	10.1186/s40677-018-0108-2

533	San B; UIUSAR U	2018	An approach for prediction of shoreline with spatial uncertainty mapping SLIP-SUM	Antalya; Shoreline Prediction; Slip; Snake Algorithm; Spatial Uncertainty Mapping; SUM	7	International Journal of Applied Earth Observation and Geoinformation	10.1016/j.jag.2018.08.005
534	Sytnik O; Del R L; Greggio N; Bonetti J	2018	Historical shoreline trend analysis and drivers of coastal change along the Ravenna coast NE Adriatic	Accretion; Coastal Erosion; DSAS; Retreat; Spatial Analysis	15	Environmental Earth Sciences	10.1007/s12665-018-7963-8
535	Awange J; Saleem A; Konneh S; Goncalves R; Kiema J; Hu K	2018	Liberia's coastal erosion vulnerability and LULC change analysis post-civil war and Ebola epidemic	Coastal Vulnerability; Erosion; Landsat; Liberia; Lulc Changes; Sentinel-2; Supervised Classification	8	Applied Geography	10.1016/j.apgeog.2018.10.007
536	Abu Z A; Soliman M; Yassin A	2018	Evaluation of using satellite image in detecting long term shoreline change along Elarish coastal zone Egypt	Automaton Shoreline; Coastal Structures; El-Arish Long Term Shoreline Change; Extraction; Landsat Images; Remote Sensing	9	Alexandria Engineering Journal	10.1016/j.aej.2017.10.005
537	Bui V; Fan D; Nguyen D; Tran D; Tran D; Hoang V; Nguyen T	2018	Morphological change in the northern Red river delta Vietnam	Coastal Engineering; Coastal Erosion; Coastal Management; Dem; Morphological Change; Red River Delta; Tide-Dominated	5	Journal of Ocean University of China	10.1007/s11802-018-3777-2
538	Pourkerman M; Marriner N; Morhange C; Djamali M; Amjadi S; Lahijani H; Beni A; Vacchi M; Tofighian H; Shah-Hoesseini M	2018	Tracking shoreline erosion of at risk coastal archaeology the example of ancient Siraf Iran Persian Gulf	Coasts; Erosion; Geography; GIS; Heritage Management; Iran; Persian Gulf; Protection; Remote Sensing; Waterfront Archaeology	15	Applied Geography	10.1016/j.apgeog.2018.10.008
539	Mentaschi L; Vousdoukas M; Pekel J; Voukouvalas E; Feyen L	2018	Global longterm observations of coastal erosion and accretion	NA	171	Scientific Reports	10.1038/s41598-018-30904-w

540	Polk M; Eulie D	2018	Effectiveness of living shorelines as an erosion control method in North Carolina	Coastal Management; Geographic Information Systems (GIS); Living Shoreline; Shoreline Change Rate; Shoreline Protection	7	Estuaries and Coasts	10.1007/s12237-018-0439-y
541	Luijendijk A; Hagenaaars G; Ranasinghe R; Baart F; Donchyts G; Aarninkhof S	2018	The state of the worlds beaches	NA	329	Scientific Reports	10.1038/s41598-018-24630-6
542	NasSAR K; Fath H; Mahmod W; Masria A; Nadaoka K; Negm A	2018	Automatic detection of shoreline change case of north Sinai coast Egypt	DSAS; North Sinai Coast; Remote Sensing and GIS; Satellite Imagery; Shoreline Change; Shoreline Prediction	15	Journal of Coastal Conservation	10.1007/s11852-018-0613-1
543	SARavanan S; ParthaSARathy K; Vishnuprasath S	2018	Monitoring spatial and temporal scales of shoreline changes in the Cuddalore region, India	Accretion; Erosion; GIS; Image Processing; Shoreline Change	5	Coastal Zone Management: Global Perspectives, Regional Processes, Local Issues	10.1016/B978-0-12-814350-6.00004-5
544	Warnasuriya T; Gunaalan K; Gunasekara S	2018	Google earth a new resource for shoreline change estimation: case study from Jaffna peninsula Sri Lanka	DSAS; GIS; Google Earth Platform; Remote Sensing; Shoreline Change	8	Marine Geodesy	10.1080/01490419.2018.1509160
545	Pradhan B; Rizeei H; Abdulle A	2018	Quantitative assessment for detection and monitoring of coastline dynamics with temporal Radarsat images	Coastline; Radarsat; Remote Sensing; SAR; Support Vector Machine	5	Remote Sensing	10.3390/rs10111705
546	Li J; Pu R; Yuan Q; Liu Y; Feng B; Guo Q; Jiang Y; Ye M	2018	Spatiotemporal change patterns of coastlines in Xiangshan harbor Zhejiang China during the past 40 years	Tidal Inlet	3	Journal of Coastal Research	10.2112/JCOASTRES-D-17-00150.1
547	Young A; Flick R; Gallien T; Giddings S; Guza R; Harvey M; Lenain L; Ludka B; Melville W; O'Reilly W	2018	Southern California coastal response to the 2015-2016 El Niño	Beach; Cliff; Coastal; ENSO; Erosion; Estuary	9	Journal of Geophysical Research: Earth Surface	10.1029/2018JF004771

548	Rani M; Rehman S; Sajjad H; Chaudhary B; Sharma J; Bhardwaj S; Kumar P	2018	Assessing coastal landscape vulnerability using geospatial techniques along Vizianagaramsrkakulam coast of Andhra Pradesh, India	Coastal Vulnerability Index; Erosion and Accretion; Geospatial Techniques; Shoreline Change	11	Natural Hazards	10.1007/s11069-018-3414-9
549	Jones B; Farquharson L; Baughman C; Buzard R; Arp C; Grosse G; Bull D; Günther F; Nitze I; Urban F; Kasper J; Frederick J; Thomas M; Jones C; Mota A; Dallimore S; Tweedie C; Maio C; Mann D; Richmond B; Gibbs A; Xiao M; Sachs T; Iwahana G; Kannevskiy M; Romanovsky V	2018	A decade of remotely sensed observations highlight complex processes linked to coastal permafrost bluff erosion in the Arctic	Arctic Coastal Erosion; Arctic System; Ice-Rich Permafrost; Remote Sensing Change Detection	40	Environmental Research Letters	10.1088/1748-9326/aae471
550	Roy S; Mahapatra M; Chakraborty A	2018	Shoreline change detection along the coast of Odisha India using digital shoreline analysis system	DSAS; HWL; MNDWI; Odisha Coast; Shoreline	9	Spatial Information Research	10.1007/s41324-018-0199-6
551	Noujas V; Thomas K	2018	Estimation of longshore sediment transport direction from varying coastal morphodynamics due to shore structures	Beach; Breakwater; Harbour; Sediment Transport; Shoreline	1	Environmental Earth Sciences	10.1007/s12665-018-7853-0
552	Baral R; Pradhan S; Samal R; Mishra S	2018	Shoreline change analysis at Chilika lagoon coast India using digital shoreline analysis system	Chilika Lagoon; DSAS; Shoreline Change	15	Journal of The Indian Society of Remote Sensing	10.1007/s12524-018-0818-7
553	Rajasree B; Deo M	2018	Evaluation of estuary shoreline shift in response to climate change: A study from the central west coast of India	Climate Change; Neural Network; Numerical Model; Sediment Transport; Shoreline Change	9	Land Degradation and Development	10.1002/ldr.3074
554	Farquharson L; Mann D; Swanson D; Jones B; Buzard R; Jordan J	2018	Temporal and spatial variability in coastline response to declining seaice in northwest Alaska	Arctic; Coastal Erosion; Permafrost; Remote Sensing; Sea-Ice	28	Marine Geology	10.1016/j.margeo.2018.07.007

555	Rader A; Pickart A; Walker I; Hesp P; Bauer B	2018	Foredune morphodynamics and sediment budgets at seasonal to decadal scales Humboldt Bay national wildlife refuge California USA	Aeolian; Coastal Erosion; Fore-dune; Shoreline Change	15	Geomorphology	10.1016/j.geomorph.2018.06.003
556	Esposito G; Salvini R; Matano F; Sacchi M; Troise C	2018	Evaluation of geomorphic changes and retreat rates of a coastal pyroclastic cliff in the Campi Flegrei volcanic district southern Italy	Aerial Photogrammetry; Campi Flegrei; Coastal Cliff; Geomorphic Change Detection; LIDAR; Retreat Rate	13	Journal of Coastal Conservation	10.1007/s11852-018-0621-1
557	Mukhopadhyay A; Ghosh P; Chanda A; Ghosh A; Ghosh S; Das S; Ghosh T; Hazra S	2018	Threats to coastal communities of Mahanadi delta due to imminent consequences of erosion present and near future	Coastal Communities; Coastal Erosion; DSAS; EPR; LRR; Mahanadi Delta	19	Science of The total Environment	10.1016/j.scitotenv.2018.05.076
558	Alberico I; Cavuoto G; Di F V; Punzo M; Tarallo D; Pelosi N; Ferraro L; Marsella E	2018	Historical maps and satellite images as tools for shoreline variations and territorial changes assessment: the case study of volturno coastal plain southern Italy	Coastal Management; Coastal Trend; Historical Analysis; Natural Hazards; Natural Landscape	7	Journal of Coastal Conservation	10.1007/s11852-017-0573-x
559	Roskopf C; Di P G; Atkinson D; Rodríguez G; Walker I	2018	Recent shoreline evolution and beach erosion along the central Adriatic coast of Italy: the case of Molise region	Adriatic Sea; Climatic Variability; Multi-Temporal GIS Analysis; River Channel Adjustments; Shoreline Protection; Short To Long-Term Shoreline Changes	19	Journal of Coastal Conservation	10.1007/s11852-017-0550-4
560	Kaamin M; Daud M; Sanik M; Ahmad N; Mokhtar M; Ngadiman N; Yahya F	2018	Mapping shoreline position using Unmanned Aerial Vehicle	NA	2	Aip Conference Proceedings	10.1063/1.5055465
561	Aryastana P; Ardantha I; Candrayana K	2018	Coastline change analysis and erosion prediction using satellite images	NA	3	Matec Web of Conferences	10.1051/matec-conf/201819713003
562	Templin T; Popielarczyk D; Kosecki R	2018	Application of low-cost fixed-wing UAV for inland lakes shoreline investigation	Bathymetry; Dem; Gns; Lake Suskie; Morphometry; UAV	25	Pure and Applied Geophysics	10.1007/s00024-017-1707-7

563	Novikova A; Belova N; Baranskaya A; Aleksyutina D; Maslakov A; Zelenin E; Shabanova N; Ogorodov S	2018	Dynamics of permafrost coasts of Baydaratskaya Bay kara sea based on multitemporal remote sensing data	Baydaratskaya Bay; Coastal Erosion; Permafrost; Remote Sensing	24	Remote Sensing	10.3390/rs10091481
564	Kostecki R	2018	Application of the spatial database for shoreline change analysis and visualisation: example from the western polish coast southern Baltic sea	Open Source GIS Software; PostGIS; Postgresql; Shoreline Change Analysis; Spatial Database	1	Quaestiones Geographicae	10.2478/quageo-2018-0023
565	Conery I; Walsh J; Reide C D	2018	Hurricane overwash and decadal-scale evolution of a narrowing barrier island Ocracoke island NC	Barrier Island; Overwash; Paleotempestology; Remote Sensing; Shoreline Mapping	5	Estuaries and Coasts	10.1007/s12237-018-0374-y
566	Suhendra S; Amron A; Hilmi E	2018	The pattern of coastline change based on the characteristics of sediment and coastal slope in Pangenan coast of Cirebon west Java	NA	7	E3S Web of Conferences	10.1051/E3Sconf/20184706001
567	Suhaimi H; Jamal M; Ahmad A	2018	Assessment of river bank erosion at Kilim river Langkawi using geospatial technique	NA	7	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/169/1/012012
568	Gray P; Ridge J; Poulin S; Seymour A; Schwantes A; Swenson J; Johnston D	2018	Integrating drone imagery into high resolution satellite remote sensing assessments of estuarine environments	Change Detection; Drones; Estuarine; Habitat Mapping; LIDAR; NERR; Rapideye;Worldview-3; Unoccupied Aircraft Systems; Wetland	41	Remote Sensing	10.3390/rs10081257
569	Catal R H; Bayram B; Bozkurt S; Ince A; Demir N; Seker D	2018	An extended approach of particle swarm optimization for shoreline extraction from RA-SAT imagery	Image Processing; Particle Swarm Optimization; Shoreline Extraction; Simple Linear Clustering	3	Journal of The Indian Society of Remote Sensing	10.1007/s12524-018-0804-0

570	Xu N; Gong P	2018	Significant coastline changes in China during 1991-2015 tracked by Landsat data	NA	25	Science Bulletin	10.1016/j.scib.2018.05.032
571	Bidorn B; Rukvichai C	2018	Impacts of coastal development on the shoreline change of the eastern Gulf of Thailand	NA	4	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/171/1/012007
572	Mahamud U; Takewaka S	2018	Shoreline change around a river delta on the Cox's Bazar coast of Bangladesh	Cox's Bazar; Delta; Numerical Computation; Sediment Transport; Spit; Wave	4	Journal of Marine Science and Engineering	10.3390/jmse6030080
573	SoUSA W; Souto M; Matos S; Duarte C; Salgueiro A; Neto C	2018	Creation of a coastal evolution prognostic model using shoreline historical data and techniques of digital image processing in a GIS environment for generating future scenarios	NA	8	International Journal of Remote Sensing	10.1080/01431161.2018.1455240
574	Duarte C; De M F; Landau L; Souto M; Sabadia J; Neto C; Rodrigues L; Damasceno A	2018	Short-time analysis of shoreline based on RapidEye satellite images in the terminal area of Pecém port Ceará, Brazil	NA	8	International Journal of Remote Sensing	10.1080/01431161.2018.1457229
575	Chen W; Zhang D; Cui D; Lv L; Xie W; Shi S; Hou Z	2018	Monitoring spatial and temporal changes in the continental coastline and the intertidal zone in Jiangsu province, China	Coastline; Intertidal Zone; Jiangsu Province; Remote Sensing; Spatial and Temporal Change	7	Dili Xuebao/Acta Geographica Sinica	10.11821/dlxb201807014
576	Tereszkiewicz P; McKinney N; Meyer-Arendt K	2018	Groins along the northern Yucatán coast	Coastal Management; Erosion; Shoreline Protection	6	Journal of Coastal Research	10.2112/JCOASTRES-D-17-00062.1
577	Manjulavani K; Supriya V; Suhrullekha M; Harish B	2018	Detection of shoreline change using geospatial techniques along the coast between Kanyakumari and Tuticorin	EPR; LRR; NSM; SCE; Shoreline	2	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017	10.1109/ICPCSI.2017.8392235

578	Behling R; Milewski R; Chabrillat S	2018	Spatiotemporal shoreline dynamics of Namibian coastal lagoons derived by a dense remote sensing time series approach	Coastal Lagoons; Remote Sensing; Shoreline; Spatiotemporal Dynamics; Time Series	12	International Journal of Applied Earth Observation and Geoinformation	10.1016/j.jag.2018.01.009
579	Ayyappan K; Thiruvengatasamy K	2018	On the hydrodynamics of shoreline morphological changes and its impact on tidal stability in the presence of groins using field measurements at Muttukadu estuary	Field Measurements; Groin System; Hydrodynamics; Morphological Changes; Sediment Transport	1	International Journal of Civil Engineering and Technology	NA
580	Qiao G; Mi H; Wang W; Tong X; Li Z; Li T; Liu S; Hong Y	2018	55year 1960-2015 spatiotemporal shoreline change analysis using historical Disp and Landsat time series data in Shanghai	Disp; Image Series; Landsat; Shanghai; Spatiotemporal Shoreline Change	36	International Journal of Applied Earth Observation and Geoinformation	10.1016/j.jag.2018.02.009
581	Chang Y; Chu K; Chuang L	2018	Sustainable coastal zone planning based on historical coastline changes: A model from case study in Tainan, Taiwan	Coastal Management; Erosion; Lagoon; Satellite Imagery; Taiwan	17	Landscape and Urban Planning	10.1016/j.landurbplan.2018.02.012
582	Zhang X; Zhang Y; Zhu L; Chi W; Yang Z; Wang B; Lv K; Wang H; Lu Z	2018	Spatialtemporal evolution of the eastern Nanhui mudflat in the Changjiang Yangtze river estuary under intensified human activities	Estuary Morphology; Land Reclamation; Riverine Sediment Discharge; Turbidity Maximum Zone; Vegetation; Yangtze River Coast	20	Geomorphology	10.1016/j.geomorph.2018.02.023
583	Sugianto S; Heriansyah H; Darusman D; Rusdi M; Karim A	2018	Shoreline change after 12 years of tsunami in Banda Aceh Indonesia a multiresolution multitemporal satellite data and GIS approach	NA	2	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/144/1/012053

584	Dharma I; Arymurthy A	2018	Shoreline change detection based on multispectral images using 2D principal component analysis of band images and histogram of oriented gradient features	2dpca-Svm; Classification; Feature Extraction; Hog; Multispectral Image; Shoreline	0	2017 International Conference on Advanced Computer Science and Information Systems, Icacsis 2017	10.1109/ICAC-SIS.2017.8355052
585	Dang Y; Zhang C; Zhou X; Xu J; Xue S	2018	Instantaneous shorelines as an intermediate for island shoreline mapping based on aerial satellite stereo images	Instantaneous Shoreline; Island Mapping; Shoreline Mapping; Tide Model; Tide-Coordinated Shoreline	4	Marine Geodesy	10.1080/01490419.2017.1397067
586	Cenci L; Disperati L; Persichillo M; Oliveira E; Alves F; Phillips M	2018	Integrating remote sensing and GIS techniques for monitoring and modeling shoreline evolution to support coastal risk management	Coastal Risk Management; GIS; Remote Sensing; Shoreline Mapping and Evolution Modeling; Time-Series Analysis and Multi-Temporal Analysis	26	GIScience and Remote Sensing	10.1080/15481603.2017.1376370
587	HisaBayashi M; Rogan J; Elmes A	2018	Quantifying shoreline change in Funafuti Atoll Tuvalu using a time series of Quick-Bird, WorldView and Landsat data	Decision Tree Classification; Landsat; Quickbird; Segmentation; Shoreline Change; Worldview	7	GIScience and Remote Sensing	10.1080/15481603.2017.1367157
588	Yao Q; Liu K; Ryu J	2018	Multiproxy characterization of hurricanes Rita and Ike storm deposits in the Rockefeller wildlife refuge southwestern Louisiana	Coastal Erosion; Hurricane Ike; Hurricane Rita; Louisiana; Paleotempestology; Rockefeller Wildlife Refuge; Shoreline Retreat; Storm Deposits	14	Journal of Coastal Research	10.2112/SI85-169.1

589	Jun K; Jun B; Lee H; Kim S; Tak W	2018	The study of utilization and precision based on the comparison and analysis of drone-based coastal hazard data and its application in the ocean environment	Coastal Hazard; Drone; Erosion; Seashore Disaster; Topographic Change	3	Journal of Coastal Research	10.2112/SI85-163.1
590	Collin A; Duvat V; Pillet V; Salvat B; James D	2018	Understanding interactions between shoreline changes and reef outer slope morphometry on Takapoto Atoll French Polynesia	Multi-Decade; Satellite-Derived Bathymetry; Shoreline Change; Takapoto Atoll	6	Journal of Coastal Research	10.2112/SI85-100.1
591	Albuquerque M; Leal A D; Espinoza J; Oliveira U; Simões R	2018	Determining shoreline response to meteoceanographic events using remote sensing and Unmanned Aerial Vehicle UAV: Case study in southern Brazil	Coastal Erosion; Coastal Management; Extreme Events; Geotechnologies	7	Journal of Coastal Research	10.2112/SI85-154.1
592	Kim C; Kim H; Park C; Kim W; Lee M; Choi S; Do J	2018	Coastline change measurement using shipborne mobile Lidar in Anmok beach Gangneung, Korea	Coastal Erosion; Coastline; Mobile LiDAR; Monitoring; Wave Data	1	Journal of Coastal Research	10.2112/SI85-121.1
593	Tanaka H; Van D; Mitobe Y; Viet N	2018	Theory for erosion wave propagation in Cua Dai beach, Vietnam	Beach Erosion; Cua Dai River Mouth; Satellite Image Analysis	0	Journal of Coastal Research	10.2112/SI85-125.1
594	Tojo K; Udo K	2018	Analysis of beach recovery after the 2011 Tohoku earthquake tsunami based on shoreline extraction by Isodata	Beach Erosion; Beach Recovery; Complex Shoreline; Isodata; Tsunami	1	Journal of Coastal Research	10.2112/SI85-035.1
595	Mohd F; Maulud K; Begum R; Selamat S; Karim O	2018	Impact of shoreline changes to Pahang coastal area by using geospatial technology	Accretion; Coastal Changes; Erosion; Geospatial; Vulnerability	7	Sains Malaysiana	10.17576/jsm-2018-4705-14
596	Zhu H; Xing B; Ni S; Pan W	2018	Study on the coastline change of Jiaozhou Bay based on high resolution remote sensing image	Coastline; Decrease; Increase; Jiaozhou Bay; Rate	1	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprs-archives-XLII-3-2591-2018

597	Hzami A; Amrouni O; Romanescu G; Stoleriu C; Mihu-Pintilie A; Saâdi A	2018	Satellite images survey for the identification of the coastal sedimentary system changes and associated vulnerability along the western Bay of the Gulf of Tunis Northern Africa	NA	1	Proceedings of The International Association of Hydrological Sciences	10.5194/piahs-377-83-2018
598	Stanchev H; Stancheva M; Young R; Palazov A	2018	Analysis of shoreline changes and cliff retreat to support marine spatial planning in Shabla municipality northeast Bulgaria	Bulgarian Coast; Coastal Erosion; Land-Sea Interactions; Marine Spatial Planning; Sand Beaches	19	Ocean and Coastal Management	10.1016/j.ocecoaman.2017.06.011
599	Irrgang A; Lantuit H; Manson G; Günther F; Grosse G; Overduin P	2018	Variability in rates of coastal change along the Yukon coast 1951 to 2015	Arctic Coastal Dynamics; Beaufort Coast; DSAS Analysis; Permafrost; Shoreline Change	32	Journal of Geophysical Research: Earth Surface	10.1002/2017JF004326
600	Usmanov B; Nicu I; Gai-nullin I; Khomyakov P	2018	Monitoring and assessing the destruction of archaeological sites from Kuibyshev reservoir coastline Tatarstan Republic Russian federation: A case study	3d Coastal Modelling; Coastal Erosion; Cultural Heritage; GIS; Volga	18	Journal of Coastal Conservation	10.1007/s11852-017-0590-9
601	Xu N	2018	Detecting coastline change with all available Landsat data over 1986-2015: A case study for the state of Texas, USA	Beach; Coastline Change; Hurricane; Remote Sensing; Sea Level; State of Texas	40	Atmosphere	10.3390/atmos9030107
602	Wu D; Xu H	2018	An ecological land cover sampling reclassification model for safety estimation of shoreline systems from a flood defense perspective using optical satellite remote sensing imaging	Ecological Knowledge-Oriented Reclassification; Edge Feature Enhancement; Land Cover Sampling; Optical Satellite RS Data; Shore Line Identification; Shoreline Structure	1	Water (Switzerland)	10.3390/w10030285

603	Bouchahma M; Barhoumi W; Yan W; Wardi H	2018	Optical-flow-based approach for the detection of shoreline changes using remote sensing data	Coastal Changes; DSCF; Lka2c; Lukas-Kanade; Optical Flow; Surf	3	Proceedings of IEEE/ACS International Conference on Computer Systems and Applications, AICCSA	10.1109/AICCSA.2017.173
604	Diep N; Loi N; Can N	2018	Monitoring erosion and accretion situation in the coastal zone at kien giang province	Erosion/Accretion; Kien Giang Province; Normalized Difference Water Index (NDWI); Shoreline	0	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprs-archives-XLII-3-W4-197-2018
605	Sankar R; Donoghue J; Kish S	2018	Spatiotemporal analysis of decadal-scale patterns in barrier island response to storms Perdido key NW Florida	Barrier Islands; Coastal Morphology; Erosion; Shoreline Change; Storms	3	Physical Geography	10.1080/02723646.2017.1378959
606	Hagenaars G; De V S; Luijendijk A; De B W; Reniers A	2018	On the accuracy of automated shoreline detection derived from satellite imagery: a case study of the sand motor mega-scale nourishment	Automated Shoreline Detection; Coastal Management; Coastline Trends; Dutch Coast; ESA; Google Earth Engine; Nasa; Positional Accuracy; Sand Motor; Satellite Imagery	59	Coastal Engineering	10.1016/j.coastaleng.2017.12.011
607	Niculescu D; Rusu E	2018	Evaluation of the new coastal protection scheme at Mamaia Bay in the nearshore of the Black sea	Black Sea; Coastal Protection; Marine Environment; Shoreline Changes; Wave Regime	2	Ocean Systems Engineering	10.12989/ose.2018.8.1.001

608	Segura L; Hansen J; Lowe R	2018	Seasonal shoreline variability induced by sub-tidal water level fluctuations at reef-fringed beaches	Beach Morphodynamics; Fringing Reefs; Leeuwin Current; Sea Level	5	Journal of Geophysical Research: Earth Surface	10.1002/2017JF004385
609	Lokier S; Court W; Onuma T; Paul A	2018	Implications of sealevel rise in a modern carbonate ramp setting	Carbonate Ramp; Coastal Erosion; Persian Gulf; Sea Level; Transgression	12	Geomorphology	10.1016/j.geomorph.2017.12.023
610	Houser C; Wernette P; Weymer B	2018	Scale-dependent behavior of the foredune implications for barrier island response to storms and sealevel rise	Barrier Island; Foredune; Recovery; Shoreline Change	10	Geomorphology	10.1016/j.geomorph.2017.12.011
611	Li J; Ye M; Pu R; Liu Y; Guo Q; Feng B; Huang R; He G	2018	Spatiotemporal change patterns of coastlines in Zhejiang province China over the last twenty-five years	Coastline; Coastline Artificialization; Coastline Changes; Land Utilization; Zhejiang Province	14	Sustainability (Switzerland)	10.3390/su10020477
612	Marcelino A; De S G P L; Costa J	2018	Participative planning for managing the seashore of Galinhos Rio Grande do Norte northeast Brazil using remote sensing support and coastal modeling planejamento participativo para a gestão da orla marítima de galinhosrn nordeste brasileiro com apoio de sensores remotos e modelagem costeira	Coastal Erosion; Coastal Modeling; Land Planning; Orla Project; Remote Sensing	1	Desenvolvimento E Meio Ambiente	10.5380/dma.v44i0.55034
613	Pardo-Pascual J; Sánchez-García E; Almonacid-Caballer J; Palomar-Vázquez J; De L S E; Fernández-Sarría A; Balaguer-Beser A	2018	Assessing the accuracy of automatically extracted shorelines on microtidal beaches from Landsat-7, Landsat-8 and sentinel-2 imagery	Coastal Wave Conditions; Coastline Extraction; IR Bands; Mid-Resolution Satellite Imagery; Sandy Beach Monitoring; Sub-Pixel Precision	50	Remote Sensing	10.3390/rs10020326

614	Hudson C; Baily B	2018	Delivering sustainable coasts monitoring the longterm stability of a breached barrier beach Porlock Bay Somerset, United Kingdom	Barrier Beach; Geomorphology; Managed Realignment; Monitoring; Sustainability	6	Ocean and Coastal Management	10.1016/j.ocecoaman.2017.11.022
615	Thankappan N; Varangalil N; Kachapally V T; Njali-plackil P K	2018	Coastal morphology and beach stability along Thiruvananthapuram southwest coast of India	BreakwaterRS; Groynes; Morphology; Shoreline Changes	8	Natural Hazards	10.1007/s11069-017-3090-1
616	Fan Y; Chen S; Zhao B; Pan S; Jiang C; Ji H	2018	Shoreline dynamics of the active Yellow river delta since the implementation of water-sediment regulation scheme: A remotesensing and statistics-based approach	Active Yellow River Delta; River Input; Shoreline Dynamics; The Water-Sediment Regulation Scheme; Wave Energy	34	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2017.11.035
617	Uysal M; Polat N; Aydın M	2018	Monitoring of coastal erosion of Karasu coast in Black sea	Coast Erosion; Coastline Change Detection; Landsat	0	Advances In Science, Technology and Innovation	10.1007/978-3-319-70548-4_470
618	Robertson Q; Dunkin L; Dong Z; Wozencraft J; Zhang K	2018	Florida and us east coast beach change metrics derived from Lidar data utilizing ArcGIS python based tools	NA	2	Coastal Research Library	10.1007/978-3-319-58304-4_12
619	Munawaroh M; Sofian I; Rudiastuti A	2018	Application of Landsat data for coastline changes detection in south Minahasa Regency	MNDWI; Significant Wave Height; Sulawesi; Swan	0	Proceedings - 39th Asian Conference on Remote Sensing: Remote Sensing Enabling Prosperity, ACRS 2018	NA

620	Hyun Y K; Song Y; Kim G	2018	Estimation of three dimensional shoreline using terrestrial laser scanning data case: study at Bangameori beach	Bangamoeri Beach; Coastal Erosions; Laser Scanning Data; Shoreline	0	Proceedings - 39th Asian Conference on Remote Sensing: Remote Sensing Enabling Prosperity, ACRS 2018	NA
621	Arif F; Rahman A; Maulud K	2018	Low-cost Unmanned Aerial Vehicle photogrammetric survey and its application for high-resolution shoreline changes survey	Application; Coastal Erosion; Sea-Level Rise; Shoreline Changes; UAV	0	Proceedings - 39th Asian Conference on Remote Sensing: Remote Sensing Enabling Prosperity, ACRS 2018	NA
622	Azhar M; Maulud K; Selamat S; Khan M; Jaafar O; Jaafar W; Abdullah S; Toriman M; Kamarudin M; Gasim M; Juahir H	2018	Impact of shoreline changes to the coastal development	Climate Changes; Erosion and Accretion; Geographical Information System (GIS); Sea Level Rise; Shoreline Changes	4	International Journal of Engineering and Technology(UAE)	NA
623	Uysal M; Polat N; Dereli M	2018	Coastline change of the Aksehir lake southwestern Turkey between 1984 and 2016	Aksehir Lake; Change Detection; Coastline; Landsat Image	2	Advances In Science, Technology and Innovation	10.1007/978-3-319-70548-4_510
624	Afanasev V; Uba A	2018	Coastal erosion in the northeastern Sakhalin island	Erosion Rhythms; Megacusps; Morphometry of The Beach; North-Eastern Sakhalin; Spatial Structure of The Erosion	0	Geomorfologiya	10.7868/S043542811804003X

625	Eremina E; Kharitonova L; Stanichny S	2018	Estimates of the north Crimean canal cutoff effect on the variability of the Sivash Bay morphometric characteristics on satellite data	Coastline; Lagoon; North-Crimean Canal; Remote Methods; Satellite Images; Sivash Bay	1	Sovremennye Problemy Distantionnogo Zondirovaniya Zemli Iz Kosmosa	10.21046/2070-7401-2018-15-7-175-183
626	Aguilar F; Fernández I; Aguilar M; García L A	2018	Assessing shoreline change rates in Mediterranean beaches	Mediterranean Beaches; Medium-Term Shoreline Evolution; Shoreline Accuracy; Shoreline Change Rate; Shoreline Indicator	2	Coastal Research Library	10.1007/978-3-319-58304-4_11
627	Manaf S; Mustapha N; Sulaiman M; Husin N; Shafri H; Hamid M	2018	Spatiotemporal regression analysis on shorelines data extracted from historical satellite images	Change Analysis; Regression Analysis; Satellite Images; Shoreline Change; Shoreline Prediction	0	Proceedings of The International Conferences on Www/Internet 2018 and Applied Computing 2018	NA
628	Emran A; Rob M; Kabir M	2018	Coastline change and erosion accretion evolution of the Sandwip island Bangladesh	NA	2	Environmental Information Systems: Concepts, Methodologies, tools, and Applications	10.4018/978-1-5225-7033-2.ch068
629	Anandkumar A; Vijith H; Nagarajan R; Jonathan M	2018	Evaluation of decadal shoreline changes in the coastal region of Miri Sarawak, Malaysia	Land Cover; Land Use; Malaysia; Sarawak; Shoreline Changes	7	Coastal Management: Global Challenges and Innovations	10.1016/B978-0-12-810473-6.00008-X

630	Ivan A; Vlasceanu E	2018	The monitoring of the shoreline evolution adjacent to maritime ports in the context of marine storms intensification	Erosion Control Measures; Hydrodynamic Models; Romanian Littoral; Sea-Land Interaction/Msp; Shoreline Retreat	0	International Multidisciplinary Scientific Geoconference Surveying Geology and Mining Ecology Management, Sgem	10.5593/sgem2018/3.1/S12.097
631	Du S; Jin B; Li S; Zhou J; Peng S	2018	The spatial-temporal variation of Fuxian lake area during 1974-2014 based on remote sensing 40	Fuxian Lake; Remote Sensing Dynamic Monitoring; Shoreline Change; Spatial Temporal Variation	0	Oceanologia ET Limnologia Sinica	10.11693/hyhz20170100012
632	Khan E; Hussain N	2018	Coastline dynamics and raising landform a geoinformatics based study on the Bay of Bengal, Bangladesh	Coastal Dynamics; Geospatial Change; Global Mean Sea Level; Remote Sensing	3	Indonesian Journal of Geography	10.22146/ijg.26655
633	Dennis A; Senthilnathan L; Machendiranathan M; Ranith R	2018	Shoreline demarcation on Tirunelveli coast analysis moving boundaries using R AMBUR statistics	Accretion; AMBUR; Erosion; Landsat; Shoreline; Tirunelveli Coast	2	Ecology, Environment and Conservation	NA
634	Santos E; Bonetti J	2018	Analysis of the Enseada de tijucas sc shoreline change rate in different time scales as indicator of coastal susceptibility análise da taxa de variação da linha de costa da enseada de tijucas sc em diferentes escalas temporais como indicadora de suscetibilidade costeira	Coastal Inundation; DSAS; Spatial Analysis	2	Quaternary and Environmental Geosciences	NA
635	Akamatsu S; Tajima Y; Shimozono T; Sato S	2018	Study on applicability of synthetic aperture radar for shoreline monitoring	Alos-2; Coastal Erosion; Monitoring Shoreline; Synthetic Aperture Radar	0	Proceedings of The 9th International Conference on APAC 2017	10.1142/9789813233812_0057

636	Caputo T; Marino E; Matano F; Somma R; Troise C; De N G	2018	Terrestrial laser scanning tls data for the analysis of coastal Tuff cliff retreat application to Coroglio cliff Naples, Italy	3d Modeling; Campi Flegrei; Coastal Erosion; Coroglio; Italy; Retreat Analysis; Terrestrial Laser Scanning; Tuff Cliff	8	Annals of Geophysics	10.4401/ag-7494
637	Nandi N	2018	Morphodynamics of coastal lagoons an analysis of multitemporal Landsat images of Segara Anakan lagoon area	Coastal Lagoon; Landsat Images; Morphodynamic; Multitemporal; Segara Anakan	1	Pertanika Journal of Science and Technology	NA
638	Jayanthi M; Thirumurthy S; Samynathan M; Duraisamy M; Muralidhar M; Ashokkumar J; Vijayan K	2018	Shoreline change and potential sea level rise impacts in a climate hazardous location in southeast coast of India	Adaptations Measures; Climate Change Impact; GIS; Remote Sensing; Sea Level Rise; Shoreline Change	14	Environmental Monitoring and Assessment	10.1007/s10661-017-6426-0
639	Kelly J; Gontz A	2018	Using GPS-surveyed intertidal zones to determine the validity of shorelines automatically mapped by Landsat water indices	Brazil; Coastal Change; Geomorphology; Massachusetts; Remote Sensing; Satellite Imagery	33	International Journal of Applied Earth Observation and Geoinformation	10.1016/j.jag.2017.10.007
640	Young A	2018	Decadal-scale coastal cliff retreat in southern and central California	California; Coastal Cliffs; Coastal Erosion; LIDAR	34	Geomorphology	10.1016/j.geomorph.2017.10.010
641	Ahmed A; Drake F; Nawaz R; Woulds C	2018	Where is the coast monitoring coastal land dynamics in Bangladesh an integrated management approach using GIS and remote sensing techniques	Accretion; Erosion; Geomorphology; Land Dynamics; Remote Sensing	26	Ocean and Coastal Management	10.1016/j.ocecoaman.2017.10.030
642	Wu X; Liu C; Wu G	2018	Spatialtemporal analysis and stability investigation of coastline changes: A case study in Shenzhen, China	Coastline; Coastline Change Rate (CCR); Coastline Stability; Data-Mining Technology; Objected-Based Techniques	11	IEEE Journal of Selected topics In Applied Earth Observations and Remote Sensing	10.1109/JSTARS.2017.2755444

643	Zhang X; Yang Z; Zhang Y; Ji Y; Wang H; Lv K; Lu Z	2018	Spatial and temporal shoreline changes of the southern Yellow river Huanghe delta in 1976-2016	Beach Slope; Instantaneous Shoreline Position; Relative Sea Level Rise; Sea Level Correction; Shoreline Erosion Rate; Southern Yellow River Delta	27	Marine Geology	10.1016/j.margeo.2017.10.006
644	Fernández-Montblanc T; Del R L; Izquierdo A; Gracia F; Bethencourt M; Benavente J	2018	Shipwrecks and manmade coastal structures as indicators of historical shoreline position an interdisciplinary study in the Sancti Petri sand spit Bay of Cádiz SW Spain	Dispersion Model; Historical Maps; Nao Index; Numerical Modelling; Shoreline Retreat	4	Marine Geology	10.1016/j.margeo.2017.10.005
1727	Young A; Flick R; Gallien T; Giddings S; Guza R; Harvey M; Lenain L; Ludka B; Melville W; O'Reilly W	2018	Southern California coastal response to the 2015-2016 El Nino	ENSO; Coastal; Erosion; Beach; Cliff; Estuary	7	Journal of Geophysical Research-Earth Surface	10.1029/2018JF004771
1731	Dietz M; Liu K; Bianchette T	2018	Hurricanes as a major driver of coastal erosion in the Mississippi river delta a multidecadal analysis of shoreline retreat rates at Bay Champagne Louisiana, USA	Shoreline Retreat; Coastal Erosion; Hurricanes; Mississippi River Delta	7	Water	10.3390/w10101480
1738	Hakkou M; Maanan M; Belrhaba T; El K; El O D; Benmohammadi A	2018	Multidecadal assessment of shoreline changes using geospatial tools and automatic computation in Kenitra coast Morocco	Shoreline Evolution; Beach and Dune Erosion; Hazard Mapping; Anthropogenic Impacts; Geospatial Technique; Spatial Analyst	14	Ocean & Coastal Management	10.1016/j.ocecoaman.2018.07.003
1741	Tereszkiewicz P; McKinney N; Meyer-Arendt K	2018	Groins along the northern Yucatan coast	Erosion; Shoreline Protection; Coastal Management	6	Journal of Coastal Research	10.2112/JCOASTRES-D-17-00062.1
1742	Akinluyi F; Adebola A; Adeseko A	2018	Assessment of shoreline and associated landuse/land cover changes along part of Lagos coastline Nigeria	Shoreline Change; Landuse/Land Cover; Accretion; Erosion and Lagos	5	Contemporary Trends In Geoscience	10.2478/ctg-2018-0004

1759	Marcelino A; Pinheiro L; Costa J	2018	Participative planning for managing the seashore of Galinhos Rio Grande do Norte northeast Brazil using remote sensing support and coastal modeling	Coastal Erosion; Land Planning; Orla Project; Coastal Modeling; Remote Sensing	1	Desenvolvimento E Meio Ambiente	10.5380/dma.v44i0.55034
1775	Duarte C; De M F; Landau L; Souto M; Sabadia J; Da S C; Rodrigues L; Damasceno A	2018	Short-time analysis of shoreline based on RapidEye satellite images in the terminal area of Pecem port Ceara, Brazil	NA	6	International Journal of Remote Sensing	10.1080/01431161.2018.1457229
1777	Sreekesh S; Naik S; Rani S	2018	Effect of sea level changes on the groundwater quality along the coast of Ernakulam district Kerala	Sea Level Rise; Shoreline Changes; Salt Water Intrusion; Digital Shoreline Analysis System; Groundwater Quality	5	Journal of Climate Change	10.3233/JCC-1800013
1778	Prieto J; Munar F; Perea A; Buades G; Gual M; Ferrer B	2018	Analysis of historic coastline evolution of Es Trenc beach (s de Mallorca): Causes and consequences	Mallorca; Es Trenc; Coastal Management; Erosion; GIS; DSAS	0	Geofocus-Revista Internacional De Ciencia Y Tecnologia De La Informacion Geografica	10.21138/GF.544
1782	Fernandez-Montblanc T; Del R L; Izquierdo A; Gracia F; Bethencourt M; Benavente J	2018	Shipwrecks and manmade coastal structures as indicators of historical shoreline position an interdisciplinary study in the Sancti petri sand spit Bay of Cadiz SW Spain	Shoreline Retreat; Numerical Modelling; Dispersion Model; Historical Maps; Nao Index	4	Marine Geology	10.1016/j.margeo.2017.10.005
2210	Stancioff C; Vermeer J; Mukhopadhyay A; De R S; Brown G; Hofman C	2018	Predicting coastal erosion in st kitts collaborating for nature and culture	NA	4	Ocean & Coastal Management	10.1016/j.ocecoaman.2017.09.015
2212	HisaBayashi M; Rogan J; Elmes A	2018	Quantifying shoreline change in Funafuti Atoll Tuvalu using a time series of Quick-Bird WorldView and Landsat data vol 55 pg 307 2017	NA	0	GIScience & Remote Sensing	10.1080/15481603.2017.1377954

392	Foti G; Barbaro G; Bombino G; Fiamma V; Puntorieri P; Minniti F; Pezzimenti C	2019	Shoreline changes near river mouth: case study of Santagata river Reggio Calabria, Italy	EPR; Longshore Transport; NSM; River Transport; Shoreline Changes; Shoreline Position	16	European Journal of Remote Sensing	10.1080/22797254.2019.168695 5
393	Taufik M; Nugraini L; Pratomo D; Bioresita F	2019	The study of SSC patterns on coastline changes in Socah Gulf using Landsat imagery and in situ data	NA	0	IOP Conference Se- ries: Earth and En- vironmental Sci- ence	10.1088/1755- 1315/389/1/012008
394	Qin Y; Ye L; Chen S	2019	Study on coastline changes of Xiamen city based on remote sensing images	NA	0	E3S Web of Con- ferences	10.1051/E3Sconf/20191360500 3
395	Alicandro M; Baiocchi V; Brigante R; Radicioni F	2019	Automatic shoreline detection from eight-band VHR satellite imagery	Abruzzo; Coastline; Multispectral Classifi- cation; Shoreline; Worldview-2	6	Journal of Marine Science and Engi- neering	10.3390/jmse7120459
396	Lin Y; Cheng Y; Zhou T; Ravi R; Hasheminasab S; Flatt J; Troy C; Habib A	2019	Evaluation of UAV Lidar for mapping coastal environments	Erosion; LIDAR; Point Clouds; Shore- line; Structure from Motion; Unmanned Aerial Vehicles	43	Remote Sensing	10.3390/rs11242893
397	Chaiwongsaen N; Choowong M	2019	Assessment of the lower Ping rivers riverbank erosion and ac- cretion northern Thailand using geospatial technique implication for river flow and sediment load management	Lower Ping River; Riverbank Ero- sion/Accretion; Sandbar; Succession of Weir	0	Environmentasia	10.14456/ea.2019.61
398	Ding X; Shan X; Chen Y; Jin X; Muhammed F	2019	Dynamics of shoreline and land reclamation from 1985 to 2015 in the Bohai sea China	Bohai Sea; China; Land Reclamation; Shape Index of The Bay; Shoreline Change	13	Journal of Geo- graphical Sciences	10.1007/s11442-019-1703-1
399	Gonçalves R; Saleem A; Queiroz H; Awange J	2019	A fuzzy model integrating shoreline changes NDVI and set- tlement influences for coastal zone human impact classifica- tion	Fuzzy; Human Im- pact Classification; Landscape Evolution; NDVI; Remote Sens- ing; Shoreline	12	Applied Geogra- phy	10.1016/j.apgeog.2019.102093

400	Zhang R; Chen L; Liu S; Zhang H; Gong W; Lin G	2019	Shoreline evolution in an em- bayed beach adjacent to tidal in- let the impact of anthropogenic activities	Coawst Model; Em- bayed Beach; Re- mote Sensing; Shore- line Evolution; Tidal Inlet	7	Geomorphology	10.1016/j.geo- morph.2019.106856
401	Thior M; Sané T; Dièye E; Sy O; Cissokho D; Ba B; Descroix L	2019	Coastline dynamics of the north- ern lower Casamance Senegal and southern Gambia littoral from 1968 to 2017	Coastal Evolution; Coastlines Erosion; Gambia; Geospatial Techniques; Lower Casamance; Risk Mapping	7	Journal of African Earth Sciences	10.1016/j.jafrearsci.2019.10361 1
402	El-Ashmawy N	2019	Automatic determination of shoreline at maximum retreating	Classification; Coastal Areas; Kine- matic GPS; Landsat; Mean Higher-High Water Level (MHHWL); Shore- line Extraction; Tides Effect	1	Egyptian Journal of Remote Sensing and Space Science	10.1016/j.ejrs.2019.07.001
403	Holdaway A; Ford M	2019	Resolution and scale controls on the accuracy of Atoll island shorelines interpreted from sat- ellite imagery	Accuracy; Atoll Is- lands; Remote Sens- ing; Resolution; Scale	5	Applied Geomatics	10.1007/s12518-019-00266-7
404	Vos K; Splinter K; Harley M; Simmons J; Turner I	2019	CoastSat a Google Earth Engine- enabled python toolkit to extract shorelines from publicly availa- ble satellite imagery	Google Earth Engine; Landsat; Sentinel-2; Shoreline Mapping; Sub-Pixel Resolution	73	Environmental Modelling and Software	10.1016/j.envsoft.2019.104528
405	Cabezas-Rabadán C; Pardo-Pascual J; Palomar- Vázquez J; Fernández- SARría A	2019	Characterizing beach changes using high-frequency Sentinel-2 derived shorelines on the Valen- cian coast Spanish Mediterra- nean	Beach Nourishment; Coastal Erosion; En- vironmental Monitor- ing; Remote Sensing; Shoreline-Position Variability; Short- Term Beach Changes	9	Science of The total Environment	10.1016/j.sci- totenv.2019.07.084

406	Anthony E; Besset M; Dussouillez P; Goichot M; Loisel H	2019	Overview of the monsoon-influenced Ayeyarwady river delta and delta shoreline mobility in response to changing fluvial sediment supply	Ayeyarwady; Coastal Suspended Particulate Matter; Delta Erosion; Gulf of Martaban; Monsoon-Influenced Delta; River Sediment Supply	11	Marine Geology	10.1016/j.margeo.2019.106038
407	Medellín G; Torres-Freyermuth A	2019	Morphodynamics along a microtidal sea breeze dominated beach in the vicinity of coastal structures	CACS Events; Coastal Structures; Eof Analysis; Sea Breezes; Shoreline Variability; Tropical Beach; Yucatan Peninsula	10	Marine Geology	10.1016/j.margeo.2019.106013
408	Ruiz-Beltran A; Astorga-Moar A; Salles P; Appendini C	2019	Short-term shoreline trend detection patterns using SPOT-5 image fusion in the northwest of Yucatan Mexico	and Human Impacts; Coastal Hazard; DSAS; Pan-Sharpening; Shoreline Change; Spatial Analysis; Spot-5	10	Estuaries and Coasts	10.1007/s12237-019-00573-7
409	Nikolakopoulos K; Kyriou A; Koukouvelas I; Zygouri V; Apostolopoulos D	2019	Combination of aerial satellite and UAV photogrammetry for mapping the diachronic coastline evolution: the case of Lefkada island	Air Photos; Coastline; Declassified Satellite Imagery; Lefkada Island; Photogrammetry; Pleiades; Remote Sensing; UAV	20	ISPRS International Journal of Geo-Information	10.3390/ijgi8110489
410	Li X; Long D; Huang Q; Han P; Zhao F; Wada Y	2019	High-temporal-resolution water level and storage change data sets for lakes on the Tibetan plateau during 2000-2017 using multiple altimetric missions and Landsat-derived lake shoreline positions	NA	53	Earth System Science Data	10.5194/essd-11-1603-2019
411	Kombiadou K; Matias A; Ferreira ; Carrasco A; Costas S; Plomaritis T	2019	Impacts of human interventions on the evolution of the Ria Formosa barrier island system S Portugal	Barrier Recovery; Coastline Changes; Evolution Regimes; Inlet Stabilisations; Remote Sensing	12	Geomorphology	10.1016/j.geomorph.2019.07.006

412	Besset M; Gratiot N; Anthony E; Bouchette F; Goichot M; Marchesiello P	2019	Mangroves and shoreline erosion in the Mekong river delta Vietnam	Coastal Squeeze; Mangroves; Mekong River Delta; Sediment Supply; Shoreline Erosion	19	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2019.106263
413	Pagán J; Bañón L; López I; Bañón C; Aragonés L	2019	Monitoring the dune-beach system of Guardamar del Segura Spain using UAV, SFM and GIS techniques	DEM; Dune Erosion; GIS; SFM; Shoreline Evolution; UAV	14	Science of The total Environment	10.1016/j.scitotenv.2019.06.186
414	Akay S; Ozcan O; Sen O	2019	Modeling morphodynamic processes in a meandering river with Unmanned Aerial Vehicle-based measurements	Büyük; Erosion; Menderes River; River Morphology; Structure From Motion	5	Journal of Applied Remote Sensing	10.1117/1.JRS.13.044523
415	Zhou M; Wu M; Zhang G; Zhao L; Hou X; Yang Y	2019	Analysis of coastal zone data of northern Yantai collected by remote sensing from 1990 to 2018	Coastal Zone; Coastline; Jiaodong Peninsula; Remote Sensing	3	Applied Sciences (Switzerland)	10.3390/app9204466
416	Ataol M; Kale M; Tekkanat S	2019	Assessment of the changes in shoreline using digital shoreline analysis system a case study of Kızılırmak delta in northern Turkey from 1951 to 2017	COASTAL EROSION; DAM; DSAS; Kızılırmak DELTA; Kızılırmak RIVER	10	Environmental Earth Sciences	10.1007/s12665-019-8591-7
417	Yue H; Liu Y	2019	Variations in the lake area water level and water volume of Hongjiannao lake during 1986-2018 based on Landsat and ASTER, GDEM data	Aster GDEM; Lake Area; Lake Volume Variation; Landsat; NSM and LRR; Water Level	11	Environmental Monitoring and Assessment	10.1007/s10661-019-7715-6
418	Özpolat E; Demir T	2019	The spatiotemporal shoreline dynamics of a delta under natural and anthropogenic conditions from 1950 to 2018 a dramatic case from the eastern Mediterranean	Anthropogenic Effects; Coastal Erosion; Mediterranean; Seyhan Delta; Shoreline Changes	4	Ocean and Coastal Management	10.1016/j.ocecoaman.2019.104910
419	Zhang X; Lu K; Yin P; Zhu L	2019	Current and future mudflat losses in the southern Huanghe delta due to coastal hard structures and shoreline retreat	Coastal Hard Structure; Mudflat Loss; Mudflat Restoration; Satellite Image; Shoreline Retreat	6	Coastal Engineering	10.1016/j.coastaleng.2019.103530

420	Reeve D; Horrillo-Caraballo J; Karunarathna H; Pan S	2019	A new perspective on mesoscale shoreline dynamics through data-driven analysis	Beach Morphology; Data Driven Analysis; Foreshore Change Classification; Meso-Scale	3	Geomorphology	10.1016/j.geomorph.2019.04.033
421	Armenio E; De S F; Mossa M; Petrillo A	2019	Coastline evolution based on statistical analysis and modeling	NA	7	Natural Hazards and Earth System Sciences	10.5194/nhess-19-1937-2019
422	Emam W; Khalil M; Nassif M; Soliman K	2019	Applying geospatial technology in assessing the coastal vulnerability of Zaranik protectorate to sealevel rise	Coastal Slope; DSAS; Erosion/Accretion; Geomorphology; North Sinai; Satellite Images; Sea-Level Rise (Slr); Zaranik Protectorate	0	Egyptian Journal of Aquatic Biology and Fisheries	10.21608/ejabf.2019.202267
423	Miranda I; Toldo J; Da F K A; Da S G	2019	Shoreline evolution of lagoon sandy spits and adjacent beaches Lagoa dos Patos, Brazil	Change Polygon Method; DSAS; Lagoon Spit Evolution; Landsat Images	4	Journal of Coastal Research	10.2112/JCOASTRES-D-18-00092.1
424	Chaumillon E; Cange V; Gaudefroy J; Merle T; Bertin X; Pignon C	2019	Controls on shoreline changes at pluriannual to secular timescale in mixed-energy rocky and sedimentary estuarine systems	Beach Erosion; Bed-rock Control; Shoreline Evolution; Storm; Tidal Inlet; Wave Exposition	3	Journal of Coastal Research	10.2112/SI88-011.1
425	Valeyev A; Karatayev M; AbitBayeva A; UxukBayeva S; Bektursynova A; Sharapkhanova Z	2019	Monitoring coastline dynamics of Alakol lake in Kazakhstan using remote sensing data	Alakol Lake; Coastline Dynamics; Kazakhstan; Water Resources	13	Geosciences (Switzerland)	10.3390/geosciences9090404
426	Jolivet M; Gardel A; Anthony E	2019	Multidecadal changes on the mud-dominated coast of western French Guiana implications for mesoscale shoreline mobility river-mouth deflection and sediment sorting	Amazon River; Chenier; Guianas Coast; Mangroves; Mud Bank; Mud Cape	3	Journal of Coastal Research	10.2112/SI88-014.1
427	Kelly J; Mcsweeney S; Shulmeister J; Gontz A	2019	Bimodal climate control of shoreline change influenced by interdecadal Pacific oscillation variability along the Cooloola sand mass Queensland, Australia	Climate Change; Coastal Erosion; IPO; Landsat; SOI; STR	10	Marine Geology	10.1016/j.margeo.2019.105971

428	Jeihouni M; Kakroodi A; Hamzeh S	2019	Monitoring shallow coastal environment using Landsat altimetry data under rapid sealevel change	Caspian Sea; Lake Altimetry; PSO; Sea-Level Fluctuations; Shoreline Detection	5	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2019.05.005
429	Montreuil A; Chen M; Esquerré A; Houthuys R; Moelans R; Bogaert P	2019	Pre and post-storm Lidar surveys for assessment of impact on coastal erosion	Beach Features; Belgian Coast; Coastline; Morphology; Topographic Monitoring	0	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprs-archives-XLII-3-W8-261-2019
430	Indrawan I; Damayanti A; Rustanto A	2019	Abrasion and accretion at west of Buleleng subdistricts coastal area Bali: Case study Gerokgak Regency Seririt Regency Banjar, Regency and Buleleng Regency	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/311/1/012010
431	Chairani C; Saraswati R; Shidiq I	2019	Identification of changes mangrove areas toward shoreline changes in east coast of surabaya 2004-2017	NA	2	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/311/1/012002
432	Seymour A; Ridge J; Newton E; Rodriguez A; Johnston D	2019	Geomorphic response of inlet barrier islands to storms	Coastal Erosion; Estuarine Beaches; Low-Energy Shorelines; Unmanned Aircraft Systems	5	Geomorphology	10.1016/j.geomorph.2019.04.021
433	Prasetyo Y; Bashit N; Sasmito B; Setianingsih W	2019	Impact of land subsidence and sea level rise influence shoreline change in the coastal area of Demak	Altimetry Satellite; Land Subsidence; Sea Level Rise; Shoreline	4	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/280/1/012006
434	Lee Y; Eom J; Do J; Kim B; Ryu J	2019	Shoreline movement monitoring and geomorphologic changes of beaches using Lidar and UAV's images on the coast of the east sea Korea	DSAS; Geomorphological Change; LIDAR; Shoreline Movement; UAV	6	Journal of Coastal Research	10.2112/SI90-052.1

435	Park S; Achmad A; Syifa M; Lee C	2019	Machine learning application for coastal area change detection in Gangwon province South Korea using high-resolution satellite imagery	Change Detection; Planet Scope; Support Vector Machine	6	Journal of Coastal Research	10.2112/SI90-028.1
436	Jeong H	2019	A study on changes in coastal erosion environment by time series coastal detection using GIS	Coastal Erosion; GIS; Statistical Analysis; Time Series Coastal Detection	2	Journal of Coastal Research	10.2112/SI91-067.1
437	Dhanalakshmi S; Kankara R; Chenthamil S	2019	Impact assessment of sealevel rise over coastal landforms a case study of Cuddalore coast southeast coast of India	Bruun Rule; Digital Shoreline Analysis System (DSAS); GIS; Impact Assessment; Modified Bruun Rule; Sea-Level Rise; Shoreline Change Analysis	3	Environmental Earth Sciences	10.1007/s12665-019-8463-1
438	Song Y; Liu F; Ling F; Yue L	2019	Automatic semiglobal artificial shoreline subpixel localization algorithm for Landsat imagery	Intensity Integral Error; Semi-Global Subpixel Localization; Shoreline Mapping	9	Remote Sensing	10.3390/rs11151779
439	Bagheri M; Zaiton I Z; Bin M S; Abd M L; Badarulzaman N; Vaghefi N	2019	Shoreline change analysis and erosion prediction using historical data of Kuala Terengganu Malaysia	Bruun Model; GIS; Particle Size Analysis; Sand Transportation; Sandy Beach Erosion	9	Environmental Earth Sciences	10.1007/s12665-019-8459-x
440	Vos K; Harley M; Splinter K; Simmons J; Turner I	2019	Sub-annual to multidecadal shoreline variability from publicly available satellite imagery	Google Earth Engine; Landsat; Optical Imaging Satellites; Semivariogram Analysis; Sentinel-2; Shoreline Detection	90	Coastal Engineering	10.1016/j.coastaleng.2019.04.004
441	Saleem A; Awange J	2019	Coastline shift analysis in data deficient regions exploiting the high spatiotemporal resolution Sentinel-2 products	Coastal Erosion; Coastal Shift; Liberia; Remote Sensing; Sentinel-2; Somalia	9	Catena	10.1016/j.catena.2019.03.023
442	Sowmya K; Sri M; Bhaskar A; Jayappa K	2019	Longterm coastal erosion assessment along the coast of Karnataka west coast of India	End Point Rate; Erosion; Karnataka Coast; Landsat	9	International Journal of Sediment Research	10.1016/j.ijsrc.2018.12.007

443	Adela I; Setya N G; Irham M; Syahreza S	2019	Spatial analysis of post tsunami 2004 coastline changes in Lam-Puuk Aceh Besar	NA	2	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/273/1/012046
444	Sankar R; Murray M; Wells P	2019	Decadal scale patterns of shoreline variability in Paulatuk NWT Canada	Coastal Change; Erosion; Landsat; Sea-Ice; Shoreline; Storminess	4	Polar Geography	10.1080/1088937X.2019.1597395
445	Tajima Y; Wu L; Fuse T; Shimozono T; Sato S	2019	Study on shoreline monitoring system based on satellite SAR imagery	Alos-2; Backscattering Coefficient; Pal-SAR-2; SAR; Shoreline Monitoring	4	Coastal Engineering Journal	10.1080/21664250.2019.1619252
446	Nandaniko M; Supriatna S; Manessa M	2019	Modeling of coastline change by viewing trends from the abrasion and accretion rate in Karawang Regency	Abrasion; Accretion; Coastline Changes; Karawang; Model	0	Proceedings - 2019 5th International Conference on Science and Technology, ICST 2019	10.1109/ICST47872.2019.9166274
447	Hu X; Wang Y	2019	Coastlines change of the Pearl river estuary in the past 40 years using Landsat dataset and its environmental implications	Coastline; DSAS; Landsat; Pearl River Estuary; Spatiotemporal Changes	1	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2019.8898452
448	Marrero L	2019	Using airborne and UAS aerial images to evaluate coastal change and impacts to archaeological sites along loízas coast Puerto Rico	Aerial Images; Archaeological Sites; Coastal Change; DSAS; Erosion; UAS	2	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS.2019.8899100
449	Ai B; Zhang R; Zhang H; Ma C; Gu F	2019	Dynamic process and artificial mechanism of coastline change in the Pearl river estuary	Coastline Change; Development Factor; Human Activity; Pearl River Estuary	15	Regional Studies In Marine Science	10.1016/j.rsma.2019.100715

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450	Shetty A; Jayappa K; Ramakrishnan R; Rajawat A	2019	Shoreline dynamics and vulnerability assessment along the Karnataka coast India a geostatistical approach	Coastal Vulnerability Index; DSAS; Geomorphology; Littoral Cells; Shoreline Dynamics	5	Journal of The Indian Society of Remote Sensing	10.1007/s12524-019-00980-0
451	Lowe M; Adnan F; Hamylton S; Carvalho R; Woodroffe C	2019	Assessing reef-island shoreline change using UAV-derived orthomosaics and digital surface models	Drones; Geomorphic Change; Reef Islands; Structure-From-Motion; UAVs; Vulnerability	20	Drones	10.3390/drones3020044
452	Kale M; Ataol M; Tekkanat I	2019	Assessment of shoreline alterations using a digital shoreline analysis system a case study of changes in the Veilrmak delta in northern Turkey from 1953 to 2017	DAM; Digital Shoreline Analysis System; Erosion Rate; Shoreline Changes; Turkey; Yeşilirmak Delta	13	Environmental Monitoring and Assessment	10.1007/s10661-019-7535-8
453	Mishra M; Chand P; Pattnaik N; Kattel D; Panda G; Mohanti M; Baruah U; Chandniha S; Achary S; Mohanty T	2019	Response of long to short-term changes of the puri coastline of Odisha India to natural and anthropogenic factors a remote sensing and statistical assessment	Endpoint Rate (EPR); Linear Regression Rate (LRR); Long-To Short-Term Changes; Remote Sensing; Shoreline Changes; Weighted Linear Regression (WLR)	21	Environmental Earth Sciences	10.1007/s12665-019-8336-7
454	Cunliffe A; Tanski G; Radosavljevic B; Palmer W; Sachs T; Lantuit H; Kerby J; Myers-Smith I	2019	Rapid retreat of permafrost coastline observed with aerial drone photogrammetry	NA	21	Cryosphere	10.5194/tc-13-1513-2019
455	Pillet V; Duvat V; Krien Y; Cécé R; Arnaud G; Pignon-Mussaoud C	2019	Assessing the impacts of shoreline hardening on beach response to hurricanes saint-barthélemy Lesser Antilles	Human Disturbances; Hurricanes; Lesser Antilles; Shoreline Change; Small Islands	5	Ocean and Coastal Management	10.1016/j.ocecoaman.2019.03.021

456	Kale S; Acarli D	2019	Shoreline change monitoring in Atikhisar reservoir by using remote sensing and geographic information system GIS	Atikhisar Reservoir; GIS; Monitoring; Remote Sensing; Shoreline Change	3	Fresenius Environmental Bulletin	NA
457	Huo S; Xing C	2019	Coastline change of Sanhe island in Tianjin using remote sensing techniques	NA	0	Acta Geologica Sinica	10.1111/1755-6724.14200
458	Pugliano G; Robustelli U; Di L D; Mucerino L; Benassai G; Montella R	2019	Statistical deviations in shoreline detection obtained with direct and remote observations	Beach Survey; DGPS Measurements; Shoreline Position; Video Camera Observation	12	Journal of Marine Science and Engineering	10.3390/jmse7050137
459	Gómez-Pazo A; Pérez-Alberti A; Pérez X	2019	Recent evolution 1956-2017 of Rodas beach on the Cíes islands Galicia NW Spain	Aerial Photographs; Coastal Erosion; DSAS; Galicia; GCD; Marine Protected Area	10	Journal of Marine Science and Engineering	10.3390/jmse7050125
460	De B W; Mao Y; Hagenaaars G; De V S; Slinger J; Vellinga T	2019	Mapping the sandy beach evolution around seaports at the scale of the African continent	Coastal Erosion; Coastline Dynamics; Port Design; Satellite Imagery; Sediment Transport; Sustainable Ports	11	Journal of Marine Science and Engineering	10.3390/jmse7050151
461	Nithu R N; Gurugnanam B; Sudhakar V; Glitson F P	2019	Estuarine shoreline change analysis along the Ennore river mouth south east coast of India using digital shoreline analysis system	Accretion; DSAS; Ennore Estuary; Erosion; River Mouth Changes	11	Geodesy and Geodynamics	10.1016/j.geog.2019.04.002
462	Barbaro G; Bombino G; Foti G; Borrello M; Puntorieri P	2019	Shoreline evolution near river mouth: case study of Petrace river Calabria Italy	EPR; NSM; Rainfall Regime; Sediment Transport; Shoreline Changes; WSE	15	Regional Studies In Marine Science	10.1016/j.rsma.2019.100619
463	Hein C; Fallon A; Rosen P; Hoagland P; Georgiou I; Fitzgerald D; Morris M; Baker S; Marino G; Fitzsimons G	2019	Shoreline dynamics along a developed river mouth barrier island multidecadal cycles of erosion and event-driven mitigation	Beach Erosion; Coastal Adaptation; Developed Beach; Shoreline Change; Tidal-Inlet Dynamics	8	Frontiers In Earth Science	10.3389/feart.2019.00103

464	Basheer A K; Pandey A	2019	Shoreline morphology changes along the eastern coast of India Andhra Pradesh by using geo-spatial technology	Digital Shoreline Analysis System; EPR; GIS; Shoreline Change	9	Journal of Coastal Conservation	10.1007/s11852-018-0662-5
465	Joevivek V; Saravanan S; Chandrasekar N	2019	Assessing the shoreline trend changes in southern tip of India	Beach; Deposition; Erosion; Sediment Drift; Shoreline Trend; Southern Tip of India	4	Journal of Coastal Conservation	10.1007/s11852-018-0657-2
466	Davies-Vollum K; Zhang Z; Agyekumhene A	2019	Impacts of lagoon opening and implications for coastal management: case study from Muni Pomadze lagoon, Ghana	Coastal Management; Ghana; Lagoon; Shoreline Change	3	Journal of Coastal Conservation	10.1007/s11852-018-0658-1
467	Griffiths D; House C; Rangel-Buitrago N; Thomas T	2019	An assessment of areal and transect-based historic shoreline changes in the context of coastal planning	Coastal Erosion; Coastal Management; Coastal Planning; Port Eynon; QGIS	5	Journal of Coastal Conservation	10.1007/s11852-018-0661-6
468	Westley K	2019	Refining broadscale vulnerability assessment of coastal archaeological resources Lough Foyle northern Ireland	Climate Change; Coastal Erosion; Coastal Vulnerability; Cultural Resource Management; Sea-Level Rise	6	Journal of Island and Coastal Archaeology	10.1080/15564894.2018.1435592
469	Yulianto F; Suwarsono S; Maulana T; Khomarudin M	2019	The dynamics of shoreline change analysis based on the integration of remote sensing and geographic information system GIS techniques in Pekalongan coastal area central Java Indonesia	Dynamics of Shoreline Change; GIS; Remote Sensing; Tidal Flood	4	Journal of Degraded and Mining Lands Management	10.15243/jdmlm.2019.063.1789
470	Mafi-Gholami D; Baharlouiii M	2019	Monitoring longterm mangrove shoreline changes along the northern coasts of the Persian Gulf and the Oman sea	Mangroves; Oman Sea; Persian Gulf; Progression and Regression; RS	15	Emerging Science Journal	10.28991/esj-2019-01172
471	BalaSARaswathi P; Srinivasalu S	2019	Seasonal influence on Cuddalore shoreline change remote sensing GIS and statistical approach	End Point Rate; Linear Regression Rate; Meteorological Force; Seasonal Influence; Shoreline Change	0	Mausam	NA

472	Bera R; Maiti R	2019	Quantitative analysis of erosion and accretion 1975-2017 using DSAS a study on Indian Sundarbans	Channel Stability; DSAS; Erosion; Keywords; Land Formation; Permanent Waterline	21	Regional Studies In Marine Science	10.1016/j.rsma.2019.100583
473	Wang K	2019	Evolution of Yellow river delta coastline based on remote sensing from 1976 to 2014 China	Coastline; Evolution; Morphological Evolution; Remote Sensing; Social-Ecological Challenge; Yellow River Delta	12	Chinese Geographical Science	10.1007/s11769-019-1023-5
474	Thoai D; Dang A; Kim O N	2019	Analysis of coastline change in relation to meteorological conditions and human activities in Ca Mau Cape, Vietnam	Coastline Erosion; Human and Nature Interaction; Land-Use Change; Landsat Satellite; Meteorological Conditions	16	Ocean and Coastal Management	10.1016/j.ocecoaman.2019.01.007
475	Aquino D S A; Stattegger K; Vital H; Schwarzer K	2019	Coastline change and offshore suspended sediment dynamics in a naturally developing delta Parnaíba delta ne Brazil	Coastal Erosion; Delta Switching; Naturally Developing Delta; Satellite Images; Sea-Level Rise; Shoreline Change	7	Marine Geology	10.1016/j.margeo.2018.12.013
476	Gómez-Pazo A; Pérez-Alberti A; Trenhaile A	2019	Recording interannual changes on a boulder beach in Galicia NW Spain using an Unmanned Aerial Vehicle	Coastal Erosion; Digital Surface Model (DSM); Storm Response; Unmanned Aerial Vehicle (UAV)	11	Earth Surface Processes and Landforms	10.1002/esp.4549
477	Nugraha R; Syaharani L; Iska R; Mulyana D; Wahyudin Y; Purbani D; Jayawiguna H; Triyono T; Setiawan A; Fajar P	2019	The impact of land used changes on mangrove forest and shoreline dynamic in Muara Gembong Bekasi west Java	NA	2	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/241/1/012018
478	Noujas V; Kankara R; Chenthamil S	2019	Shoreline management plan for embayed beaches: A case study at Vengurla west coast of India	Bathymetry; Climate; Modelling; Shoreline Management Plan; Wave	2	Ocean and Coastal Management	10.1016/j.ocecoaman.2019.01.001

479	Wen S; Zhang F; Wang Z; Li F; Jing X; Zhao J	2019	Coastal erosion monitoring and hazard degree assessment at Penglai sandy coast based on re- mote sensing	NA	2	IOP Conference Se- ries: Earth and En- vironmental Sci- ence	10.1088/1755- 1315/234/1/012014
480	Orlando L; Ortega L; Defeo O	2019	Multidecadal variability in sandy beach area and the role of climate forcing	Beach Area; Climatic Forcing; ENSO; Erosion; Open-Ac- cess Information; Sea Level	15	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2018.12.015
481	Demir N; Bayram B; Şeker D; Oy S; Ince A; Bozkurt S	2019	Advanced lake shoreline extrac- tion approach by integration of SAR image and Lidar data	Data Fusion; Remote Sensing; SAR; Shoreline Detection	9	Marine Geodesy	10.1080/01490419.2019.158186 1
482	Dominici D; Zollini S; Alicandro M; Torre F; Buscema P; Baiocchi V	2019	High resolution satellite images for instantaneous shoreline ex- traction using new enhancement algorithms	ACM; Coastline De- tection; Enhance- ment; Remote Sens- ing; Satellite Image; Worldview2	12	Geosciences (Swit- zerland)	10.3390/geosciences9030123
483	Spinosa A; Ziemba A; Saponieri A; Navarro- Sanchez V; Damiani L; Serafy G	2019	Automatic extraction of shore- line from satellite images a new approach	Coastal Monitoring; Image Processing; SAR Images; Senti- nel-1; Shoreline Ex- traction	4	2018 IEEE Interna- tional Workshop on Metrology For The Sea; Learning to Measure Sea Health Parameters, Metrosea 2018 - Proceedings	10.1109/MetroSea.2018.86578 64

484	Nunziata F; Buono A; Migliaccio M; Benassai G; Luccio D	2019	Shoreline erosion of microtidal beaches examined with UAV and remote sensing techniques	Coastline; Remote Sensing; SAR; UAV Survey; VLOS	4	2018 IEEE International Workshop on Metrology For The Sea; Learning to Measure Sea Health Parameters, Metrosea 2018 - Proceedings	10.1109/MetroSea.2018.8657843
485	Caudle T; Paine J; Andrews J; Saylam K	2019	Beach dune and nearshore analysis of southern Texas Gulf coast using Chiroptera Lidar and imaging system	Beach Processes; Coastal Change; Remote Sensing; Sediment Volume; Shoreline Change	1	Journal of Coastal Research	10.2112/JCOASTRES-D-18-00069.1
486	Hoang V; Tanaka H; Mitobe Y	2019	Longshore propagation erosion of beach in the vicinity of tsunami-induced concave shoreline	Analytical Solution; Concave Shoreline; Diffusion Coefficient; Erosion Propagation; Morphological Change; One-Line Model; River Mouth; Tsunami	8	Journal of Hydro-Environment Research	10.1016/j.jher.2019.01.003
487	Valderrama-Landeros L; Flores-De-Santiago F	2019	Assessing coastal erosion and accretion trends along two contrasting sub-tropical rivers based on remote sensing data	Delta; Estuary; Mexico; Shoreline Change	16	Ocean and Coastal Management	10.1016/j.ocecoaman.2018.12.006
488	Kupilik M; Witmer F; Macleod E; Wang C; Ravens T	2019	Gaussian process regression for Arctic coastal erosion forecasting	Arctic; Coastal Erosion; Gaussian Process (GP)	6	IEEE Transactions on Geoscience and Remote Sensing	10.1109/TGRS.2018.2865429
489	Ghosh A	2019	Monitoring estuarine morphodynamics through quantitative techniques and GIS: A case study in Sagar island India	End Point Rate (EPR); Estuarine Equilibrium; Net Shoreline Movement (NSM); Shoreline Change Envelope (SCE); Wave Character	2	Journal of Coastal Conservation	10.1007/s11852-018-0643-8

490	Ciritci D; Türk T	2019	Automatic detection of shoreline change by geographical information system GIS and remote sensing in the Göksu delta Turkey	DSAS; GIS; Remote Sensing; Shoreline	14	Journal of The Indian Society of Remote Sensing	10.1007/s12524-019-00947-1
491	Toure S; DIOP O; Kpalma K; Maiga A	2019	Shoreline detection using optical remote sensing: A review	Beach Monitoring; Coastline; Feature Extraction; Shoreline	37	ISPRS International Journal of Geo-Information	10.3390/ijgi8020075
492	Kongeswaran T; Karikalan R	2019	Assessment of shoreline changes between Cuddalore and Nagapattinam coast east coast of Tamilnadu India using geospatial techniques	Accretion; DSAS; Erosion; Geospatial; LRR; Shoreline	0	Disaster Advances	NA
493	Vivek G; Goswami S; Samal R; Choudhury S	2019	Monitoring of chilika lake mouth dynamics and quantifying rate of shoreline change using 30m multitemporal Landsat data	NA	5	Data In Brief	10.1016/j.dib.2018.12.082
494	Dada O; Agbaje A; Adesina R; Asiwaju-Bello Y	2019	Effect of coastal land use change on coastline dynamics along the Nigerian transgressive Mahin mud coast	Coastline Retreat; Human Activities; Land Use/ Land Cover; Nigerian Coastline; Transgressive Mahin Mud Coast	23	Ocean and Coastal Management	10.1016/j.ocecoaman.2018.11.014
495	Aguilar F; Fernandez-Luque I; Aguilar M; García L A; Vicianá A	2019	The integration of multisource remote sensing data for the modelling of shoreline change rates in a Mediterranean coastal sector	NA	5	International Journal of Remote Sensing	10.1080/01431161.2018.1524175
496	Luccio D; Benassai G; Paola G; Mucerino L; Buono A; Roskopf C; Nunziata F; Migliaccio M; Urciuoli A; Montella R	2019	Shoreline rotation analysis of embayed beaches by means of in situ and remote surveys	DGPS; Embayed Beaches; SAR; Shoreline Variation; Tyrrhenian Coast; UAV	18	Sustainability (Switzerland)	10.3390/su11030725

497	Li G; Sun G; Yao Y; Zhu B; Zhang Y	2019	Spatiotemporal evolution of the sansha Bay coastline	Coastline; Remote Sensing; Sansha Bay; Spatio-Temporal Variation	0	Jilin Daxue Xuebao (Diqu Kexue Ban)/Journal of Jilin University (Earth Science Edition)	10.13278/j.cnki.jjuese.20180134
498	Duvat V; Pillet V; Volto N; Krien Y; Cécé R; Bernard D	2019	High human influence on beach response to tropical cyclones in small islands Saintmartin island lesser Antilles	Lesser Antilles; Shoreline Change; Small Islands; Tropical Cyclones	13	Geomorphology	10.1016/j.geomorph.2018.09.029
499	NasSAR K; Mahmod W; Fath H; Masria A; Nadaoka K; Negm A	2019	Shoreline change detection using DSAS technique: Case of north Sinai coast Egypt	DSAS; North Sinai Coast; Remote Sensing and GIS; Shoreline Change	47	Marine Georesources and Geotechnology	10.1080/1064119X.2018.1448912
500	Barik K; Annaduari R; Mohanty P; Mahendra R; Tripathy J; Mitra D	2019	Statistical assessment of long-term shoreline changes along the Odisha coast	DSAS; EPR; Erosion; LRR; Odisha Coast; Satellite Data]	2	Indian Journal of Geo-Marine Sciences	NA
501	Wicaksono A; Wicaksono P; Khakhim N; Farda N; Marfai M	2019	Semiautomatic shoreline extraction using water index transformation on Landsat-8 OLI imagery in Jepara Regency	Coastal Physical Typology; Geometric Accuracy; Jepara; Shoreline; Water Index	8	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2540967
502	Azatuhi H; Garegin T; Vahagn M; Shushanik A; Andrey M; Alexander K	2019	Lake Sevan shoreline change assessment using multitemporal Landsat images	Lake Sevan; Multi-Temporal Landsat Images; Shoreline Change; Shoreline Delineation	4	Geography, Environment, Sustainability	10.24057/2071-9388-2019-46
503	Conti L	2019	Coastline changes near the Maranhão ponta da Madeira port complex Brazil	Coastal Zone; Geo Data-Base; GIS; Remote Sensing; Shoreline Changes	1	Journal of Integrated Coastal Zone Management	10.5894/n175

504	Prudêncio M; Amaro V; Scudelari A	2019	Coastal evolution analysis between the years 1984 and 2014 on a stretch of rio Grande do norte eastern coast northeast Brazil análise da evolução costeira entre os anos de 1984 e 2014 de trecho do litoral oriental do rio Grande do norte nordeste do brasil	DSAS; Equatorial Coastal Zone; Remote Sensing	0	Anuario Do Instituto De Geociencias	10.11137/2019_4_189_205
505	Demir N; Bayram B; Seker D; Oy S; Bozkurt S; Ince A	2019	Analyzing the impact of an earthquake on the shoreline using SAR images as alternative data set	Earthquake; LIDAR; Multispectral; SAR; Sentinel; Shoreline Detection	1	Fresenius Environmental Bulletin	NA
506	Vos K; Harley M; Splinter K; Turner I	2019	Satellite-derived shorelines along the east coast of Australia between 1987 and 2019	Coastal Monitoring; ENSO; Google Earth Engine; Satellite Imagery; Shoreline Change	2	Australasian Coasts and Ports 2019 Conference	NA
507	Lumiatti G; Carley J; Drummond C; Vos K	2019	Use of emerging remote sensing technologies for measuring long-term shoreline change and coastal management	Beach Scraping; Coastal Management; Remote Sensing Technologies; Seawall End Effect; Shoreline Analysis	2	Australasian Coasts and Ports 2019 Conference	NA
508	Ozcan O	2019	Multitemporal analysis of coastal dynamics by high-resolution reconstruction of topography using UAV's	Coastal Change; Multitemporal Analysis; Point Cloud; Shoreline; Silivri; Structure From Motion	4	Fresenius Environmental Bulletin	NA
509	Dalbosco A; Barletta R; Franco D	2019	Relation between the variations of the shoreline and the morphodynamic features of armação beach Santa Catarina island relação entre as variações da linha de costa e as características morfodinâmicas da praia da armação ilha de Santa Catarina	Beach Morphodynamic; Shoreline Change; Wave Climate	3	Geociencias	NA

510	De A I; Gomes R; Gonçalves R; De A Q H	2019	Evaluation of coastal erosion vulnerability index CVI for Piauí coastal zone Brazil estimativa do índice de vulnerabilidade à erosão costeira ivc para o litoral do Piauí Brasil	Litho-Structure; Morphotectonic; Remote Sensing	3	Revista Brasileira De Geomorfologia	10.20502/rbg.v20i1.1260
511	Fabris M	2019	Coastline evolution of the Po river delta Italy by archival multitemporal digital photogrammetry	Aerial Digital Photogrammetry; Archival Multi-Temporal Data; Coastline Changes; Land Subsidence; Po River Delta	7	Geomatics, Natural Hazards and Risk	10.1080/19475705.2018.1561528
512	Kundu K; Halder P	2019	Geomorphological changes in Sundarbans delta using GIS and remote sensing data	Accretion; Erosion; Remote Sensing and GIS; Shoreline Change; Sundarban	0	Communications In Computer and Information Science	10.1007/978-981-13-8581-0_4
513	Gonçalves G; Santos S; Duarte D; Gomes J	2019	Monitoring local shoreline changes by integrating UAS's airborne Lidar historical images and orthophotos	Coastline Erosion; Drones; DSAS; DSM; GIS; Local Change Rate	3	GISlam 2019 - Proceedings of The 5th International Conference on Geographical Information Systems Theory, Applications and Management	10.5220/0007744101260134
514	Pantanahiran W	2019	Using remote sensing data for calculating the coastal erosion in southern Thailand	Coastal Erosion; Geographic Information System; Ikonos; Pleiades; Quick Bird; Remote Sensing; Worldview-2	2	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprs-archives-XLII-3-W7-51-2019

515	Aliyuddin G; Damayanti A	2019	Coastline changes in Serang city Banten province	Abrasion; Accretion; Human FactorS; Natural FactorS	1	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/248/1/012062
516	Mat A A; Ahmad S F; Muhammad A; Wan K W; Mohd A M; Ahmad A; Bakhtiar J N	2019	Tracking coastal change over Kuala Terengganu using Landsat	Coastal Change; Coastal Erosion; Landsat; NDWI; Reclamation	0	Lecture Notes In Networks and Systems	10.1007/978-981-13-6031-2_13
517	Irrgang A; Lantuit H; Gordon R; Piskor A; Manson G	2019	Impacts of past and future coastal changes on the Yukon coast threats for cultural sites infrastructure and travel routes	Arctic Coastal Dynamics; Inuvialuit Cultural Features; Permafrost Coast; Shoreline Projection	20	Arctic Science	10.1139/as-2017-0041
518	Nagarajan S; Khamaru S; De W P	2019	UAS-based 3D shoreline change detection of Jupiter inlet lighthouse Ona after hurricane Irma	NA	8	International Journal of Remote Sensing	10.1080/01431161.2019.1569792
519	Do A; De V S; Stive M	2019	The estimation and evaluation of shoreline locations shoreline change rates and coastal volume changes derived from Landsat images	Coastal Volume Changes; Landsat Images; Shoreline-Change Rate; Shoreline-Position Uncertainty	12	Journal of Coastal Research	10.2112/JCOASTRES-D-18-00021.1
520	Ali P; Jie D; Khan A; Sravanthi N; Rao L; Hao C	2019	Channel migration characteristics of the Yamuna river from 1954 to 2015 in the vicinity of Agra India a case study using remote sensing and GIS	Accretion; Channel Migration; Erosion; Flood Plain	9	International Journal of River Basin Management	10.1080/15715124.2019.1566238
521	Kar P; Mohanty P; Behera B	2019	Shoreline change associated with coastal structures at Gopalpur port Odisha east coast of India	Beach Profile; Coastal Structures; Erosion/Accretion; Gopalpur Port; Shoreline Change	1	Lecture Notes In Civil Engineering	10.1007/978-981-13-3134-3_40
522	Yadav A; Dodamani B; Dwarakish G	2019	Study of dynamic changes through geoinformatics technique: A case study of Karwar coast west coast of India	Beach Morphology; GIS; GPS; Remote Sensing; Shoreline Change	1	Lecture Notes In Civil Engineering	10.1007/978-981-13-3134-3_14

523	Isaev V; Koshurnikov A; Pogorelov A; Amangurov R; Podchasov O; Sergeev D; Buldovich S; Aleksyutina D; Grishakina E; Kioka A	2019	Cliff retreat of permafrost coast in southwest Baydaratskaya Bay Kara sea during 2005-2016	Baydaratskaya Bay; Coastal Retreat; Kara Sea; Permafrost Coast; Wind-Driven Ocean Wave	13	Permafrost and Periglacial Processes	10.1002/ppp.1993
524	Esmail M; Mahmod W; Fath H	2019	Assessment and prediction of shoreline change using multitemporal satellite images and statistics: Case study of Damietta coast Egypt	Damietta Port; End Point Rate (EPR); Iso Cluster Technique; Remote Sensing; Shoreline Change	28	Applied Ocean Research	10.1016/j.apor.2018.11.009
525	Escudero M; Silva R; Hesp P; Mendoza E	2019	Morphological evolution of the sandspit at Tortugueros beach, Mexico	Barrier Spit; Cyclic Behaviour; Laguna De Terminos; Mexico; Satellite Images; Tortugueros Beach Processes; Wave Energy Flux	12	Marine Geology	10.1016/j.margeo.2018.10.002
526	Padmini Y; Rao P; Anusha C	2019	Assessment of coastal erosion along the srikakulam district Andhra Pradesh state using satellite data of 1990-2000 and 2000-2016 time frames	Coastal Erosion; Geographic Information System (GIS); Remote Sensing; Sea-Level Rise	0	Springer Series In Geomechanics and Geoengineering	10.1007/978-3-319-77276-9_50
527	Kavya A; Bhavani A; Rao P; Chandrudu V	2019	Impact of land use/land cover and mangrove degradation on coastal erosion in Godavari delta region Andhra Pradesh - geospatial approach	Accretion; Coastal Erosion; Mangrove Degradation; Uppada	1	Springer Series In Geomechanics and Geoengineering	10.1007/978-3-319-77276-9_37
1646	Ataol M; Kale M; Tekkanat I	2019	Assessment of the changes in shoreline using digital shoreline analysis system a case study of Kizilirmak delta in northern Turkey from 1951 to 2017	Kizilirmak Delta; Kizilirmak River; Coastal Erosion; DSAS; Dam	11	Environmental Earth Sciences	10.1007/s12665-019-8591-7
1648	Yun K; Song Y	2019	Quantitative estimation of shoreline changes using multi-sensor datasets: A case study for Banga-moeri beaches	Shoreline Changes; Laser Scanning Data; Drone Image; Shorelines	0	Korean Journal of Remote Sensing	10.7780/kjrs.2019.35.5.1.6

1651	Cemali N; Benazzouz M; Ramoul S	2019	The contribution of sig in the quantification of the evolution of Skikdas coastline between 1960 and 2002 and the impact of developments	Coastal Erosion; GIS; Planning; Skikda	0	Journal of Materials and Engineering Structures	NA
1653	Hong Z; Li X; Han Y; Zhang Y; Wang J; Zhou R; Hu K	2019	Automatic subpixel coastline extraction based on spectral mixture analysis using eo1 hyperion data	Coastline; Fully Constrained Least Squares; Spatial Attraction Algorithm; Urban Development; Eo-1 Data	10	Frontiers of Earth Science	10.1007/s11707-018-0702-5
1659	Dhanalakshmi S; Kankara R; Selvan S	2019	Impact assessment of sea level rise over coastal landforms: A case study of Cuddalore coast southeast coast of India	Bruun Rule; Modified Bruun Rule; Shoreline Change Analysis; Digital Shoreline Analysis System (DSAS); Sea-Level Rise; Impact Assessment; GIS	2	Environmental Earth Sciences	10.1007/s12665-019-8463-1
1673	Pillet V; Duvat V; Krien Y; Cece R; Arnaud G; Pignou-Mussaud C	2019	Assessing the impacts of shoreline hardening on beach response to hurricanes saintbarthelemy Lesser Antilles	Small Islands; Hurricanes; Shoreline Change; Human Disturbances; Lesser Antilles	5	Ocean & Coastal Management	10.1016/j.ocecoaman.2019.03.021
1675	Gomez-Pazo A; Perez-Alberti A; Perez X	2019	Recent evolution 1956-2017 of rodas beach on the Cies islands Galicia NW Spain	Coastal Erosion; DSAS; Gcd; Aerial Photographs; Marine Protected Area; Galicia	10	Journal of Marine Science and Engineering	10.3390/jmse7050125
1687	Da S A; Stattegger K; Vital H; Schwarzer K	2019	Coastline change and offshore suspended sediment dynamics in a naturally developing delta Parnaiba delta NE Brazil	Naturally Developing Delta; Delta Switching; Shoreline Change; Coastal Erosion; Satellite Images; Sea-Level Rise	5	Marine Geology	10.1016/j.margeo.2018.12.013
1693	Ciritci D; Turk T	2019	Automatic detection of shoreline change by geographical information system GIS and remote sensing in the Goksu delta Turkey	DSAS; GIS; Remote Sensing; Shoreline	12	Journal of The Indian Society of Remote Sensing	10.1007/s12524-019-00947-1

1695	Vivek G; Goswami S; Samal R; Choudhury S	2019	Monitoring of chilika lake mouth dynamics and quantifying rate of shoreline change using 30 m multitemporal Landsat data	NA	5	Data In Brief	10.1016/j.dib.2018.12.082
1704	Lubczonek J; Lacka M; Zaniewicz G	2019	Analysis of the accuracy of shoreline mapping in inland navigational charts inland Enc using photogrammetric and SONAR images	Photogrammetry; Navigation Chart; Hydrography; Side Scan Sonar; Accuracy Assessment; Mapping	0	Scientific Journals of The Maritime University of Szczecin-Zeszyty Naukowe Akademii Morskiej W Szczecinie	10.17402/335
1707	Marques H; Goncalves R; Araujo A; Pereira P; Queiroz H	2019	Shoreline monitoring by GNSS-PPP aiming to attendance the law 14.258/2010 from pernambuco state Brazil	Gnss Positioning; Shoreline; Integrated Coastal Zone Management	2	Boletim De Ciencias Geodesicas	10.1590/s1982-21702019000200012
1716	De A I; Gomes E; Goncalves R; Queiroz H	2019	Evaluation of coastal erosion vulnerability index CVI for piaui coastal zone Brazil	Morphotectonic; Lithostructure; Remote Sensing	0	Revista Brasileira De Geomorfologia	10.20502/rbg.v20i1.1260
228	Sokolewicz M; Bergsma L; Schemmekes L; Nguyen H; Boersen S	2020	Use of remote sensing techniques and numerical modelling to predict coastal erosion in Vietnam	Coastal Erosion; Profile Evolution Modelling; Remote Sensing; Satellite-Derived Shorelines; Typhoon Modelling	0	Proceedings of The Coastal Engineering Conference	NA
229	Isha I; Adib M	2020	Application of geospatial information system GIS using digital shoreline analysis system DSAS in determining shoreline changes	NA	1	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/616/1/012029
230	Misra A; Ramakrishnan B	2020	Assessment of coastal geomorphological changes using multitemporal satellite-derived bathymetry	Geomorphology; Landsat 8 Oli; Multi-Temporal; Near-Shore Bathymetry; Optical Remote Sensing; Support Vector Machines	10	Continental Shelf Research	10.1016/j.csr.2020.104213

231	Nguyen Q; Takewaka S	2020	Land subsidence and its effects on coastal erosion in the Nam Dinh coast Vietnam	Bruun Rule; Din-SAR; Erosion; Land Subsidence; Nam Dinh Coast; Shore-line Change Rates	7	Continental Shelf Research	10.1016/j.csr.2020.104227
232	Liu J; Huang R; Yu K; Zou B	2020	How limesand islands in the south China sea have responded to global warming over the last 30years evidence from satellite remote sensing images	Areal Changes; Coral Reefs; Global Warming; Lime-Sand Islands; Satellite Image Analysis; South China Sea	1	Geomorphology	10.1016/j.geomorph.2020.107423
233	Anwar S; Purba N; Yuniarti Y; Subiyanto S	2020	Coastal vulnerability based on oceanographic and ecosystem parameters on the north and south coast of west Java	Currents; Global Warming; Mangrove; Wave; West Java Coast	0	Proceeding - Agers 2020: IEEE Asia-Pacific Conference on Geoscience, Electronics and Remote Sensing Technology: Understanding The Interaction of Land, Ocean and Atmosphere: Disaster Mitigation and Regional Resillience	10.1109/AG-ERS51788.2020.9452761
234	Cuttler M; Vos K; Branson P; Hansen J; O'Leary M; Browne N; Lowe R	2020	Interannual response of reef islands to climatedriven variations in water level and wave climate	Coastsat; ENSO; Reef Islands; Satellite-Derived Shorelines; Shoreline Variability	2	Remote Sensing	10.3390/rs12244089

235	López S	2020	Anthropic effects on the geomorphology and morphodynamics of the coastal zone of La Paz lagoon Baja California Sur Mexico efecto antrópico en la geomorfología y morfodinámica de la franja costera de la laguna de la paz baja California sur méxico	Erosion; Geomorphology; Morphodynamics; Remodeling; Urban Area	0	Investigaciones Geograficas	10.14350/RIG.60084
236	Flores P; Siringan F	2020	Shoreline change in response to the construction of a flood Canal in Jaro Iloilo city Philippines	Historical Maps; Jaro Floodway; Landsat; MNDWI	1	2020 IEEE India Geoscience and Remote Sensing Symposium, Ingarss 2020 - Proceedings	10.1109/InGARSS48198.2020.9358962
237	Flores A; Méndez D; Gallardo E; Santana J; Linares A	2020	Morphodynamics of the northern coasts of the Veracruz state Mexico trends over the past four decades 1973-2017 morfodinámica de las costas septentrionales del estado de veracruz méxico tendencias en las últimas cuatro décadas 1973-2017	Coastal Morphodynamics; End Point Rate; Net Shoreline Movement; Progradation and Regression	0	Investigaciones Geograficas	10.14350/RIG.60155
238	Ezzeldin M; Rageh O; Saad M	2020	Assessment impact of the Damietta harbour Egypt and its deep navigation channel on adjacent shorelines	Damietta Harbour; DSAS; Navigation Channel; Remote Sensing; Shoreline	0	Journal of Integrated Coastal Zone Management	10.5894/rgci-n338
239	El-Hadidy S	2020	Monitoring shoreline changes and aeolian sand encroachment Nasser lake Egypt using remote sensing and GIS techniques	Encroachment; Erosion/Accretion; Monitoring Sand; NDWI; Remote Sensing; Shoreline Changes	1	Arabian Journal of Geosciences	10.1007/s12517-020-06229-2
240	Liu C; Chang J; Chen M; Zhang T	2020	Dynamic monitoring and its influencing factors analysis of coastline in the Laizhou Bay since 1985	Coastline; Dynamic Monitoring; Influencing Factors; Laizhou Bay; Remote Sensing	1	Journal of Coastal Research	10.2112/JCR-SI105-004.1

241	Franco-Ochoa C; Zambrano-Medina Y; Plata-Rocha W; Monjardín-Armenta S; Rodríguez-Cueto Y; Escudero M; Mendoza E	2020	Longterm analysis of wave climate and shoreline change along the Gulf of California	Climate Change; Gulf of California; Shoreline Change; Wave Climate	4	Applied Sciences (Switzerland)	10.3390/app10238719
242	Galvez D; Papenmeier S; Hass H; Bartholomae A; Fofonova V; Wiltshire K	2020	Detecting shifts of submarine sediment boundaries using Sidescan mosaics and GIS analyses	Change Detection; GIS; Lag Deposits; Seafloor-Mapping; Sediment Shifts; Sedimentology; Side-Scan Sonar	5	Marine Geology	10.1016/j.margeo.2020.106343
243	Zhao Z; Mitchell N; Quartau R; Ramalho R; Rusu L	2020	Coastal erosion rates of Lava deltas around oceanic islands	Central Azores Islands; Coastal Erosion; Lava Delta; Near-Shore Platform; Oceanic Islands; Wave Erosion	4	Geomorphology	10.1016/j.geomorph.2020.107410
244	Masria A; El-Adawy A; SARhan T	2020	A holistic evaluation of human-induced lulcc and shoreline dynamics of Elburullus lagoon through remote sensing techniques	El-Burullus; Coastal Zone; GIS; Land Use; Remote Sensing; Shoreline	2	Innovative Infrastructure Solutions	10.1007/s41062-020-00331-w
245	Appeaning A K; Brempong E; Jayson-Quashigah P	2020	Assessment of the dynamics of the Volta river estuary shorelines in Ghana	Coastal Erosion; Disaster Risk; Shoreline Change; Volta Estuary; Vulnerability	3	Geoenvironmental Disasters	10.1186/s40677-020-00151-1
246	Sriyana I; Niyomukiza J; Sangkawati S; Parahyang-SARi S	2020	Determination of the original coastline on Semarang city and Demak district using remote sensing approach	NA	0	E3S Web of Conferences	10.1051/E3Sconf/202020204001
247	Khadijah K; SARaswati R; Wibowo A	2020	Coastline changes on the coast of Cirebon using Landsat	NA	0	E3S Web of Conferences	10.1051/E3Sconf/202020215016
248	Ribas F; Simarro G; Arriaga J; Luque P	2020	Automatic shoreline detection from video images by combining information from different methods	Coastal Regions; Remote Sensing; Shoreline Detection; Signal Filtering; Video Monitoring; Weighted Combination	4	Remote Sensing	10.3390/rs12223717

249	Wu Y; Wang S; Yang J; Wu S; You H; Wang Y	2020	Impact of land use on coastline change of island cities: a case of Zhoushan island China	China; Coastline; Islands; Land Use; Remote Sensing; Zhoushan Island	1	Island Studies Journal	10.24043/isj.125
250	Blasco J; Serrano-Cañadas E; Sánchez-Fernández M; Gómez-Lende M; Redweik P	2020	Application of multiple geomatic techniques for coastline retreat analysis the case of Gerra beach cantabrian coast Spain	Coastal Geomorphology; Coastal Process; Geomatic Techniques; Monitoring; Shoreline Change	3	Remote Sensing	10.3390/rs12213669
251	Jaramillo C; Sanchez-Garcia E; Jara M; González M; Palomar-Vazquez J	2020	Subpixel satellite-derived shorelines as valuable data for equilibrium shoreline evolution models	Coastal Morphology; Cross-Shore Processes; Model Calibration; Subpixel Precision	3	Journal of Coastal Research	10.2112/JCOASTRES-D-20-00016.1
252	Waghmare S; Hanamgond P; Mitra D; Koti B; Shinde P	2020	Application of remote sensing and GIS techniques to study sediment movement along Harwada beach Uttar Kannada west coast of India	Beach; DSAS Model; Karwar; Morphology; Sentinel 2	0	Journal of Coastal Research	10.2112/JCOASTRES-D-19-00170.1
253	Li H; Huang C; Liu Q; Liu G	2020	Accretion-erosion dynamics of the Yellow river delta and the relationships with runoff and sediment from 1976 to 2018	Accretion–Erosion Area; Coastline; Google Earth Engine; Landsat; Water-Sediment Regulation; YRD	1	Water (Switzerland)	10.3390/w12112992
254	Akay S; Özcan O; Sanli F; Görüm T; Sen L; Bayram B	2020	UAV-based evaluation of morphological changes induced by extreme rainfall events in meandering rivers	NA	3	Plos One	10.1371/journal.pone.0241293
255	Mcclenachan G; Donnelly M; Shaffer M; Sacks P; Walters L	2020	Does size matter quantifying the cumulative impact of small-scale living shoreline and oyster reef restoration projects on shoreline erosion	Florida; Geographic Information System; Indian River Lagoon; Mangrove; Monitoring; Oyster; Restoration; Shoreline Erosion; Universal Metrics	6	Restoration Ecology	10.1111/rec.13235

256	Inaku D; Nurdin N; Satari D	2020	The dynamics of shoreline changes concerning the existence of mangrove in Takalar Regency	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/575/1/012215
257	Tian H; Xu K; Goes J; Liu Q; Do R G H; Yang M	2020	Shoreline changes along the coast of mainland China time to pause and reflect	China; Landsat; Remote Sensing; Shoreline Change	3	ISPRS International Journal of Geo-Information	10.3390/ijgi9100572
258	Al-Zubieri A; Ghandour I; Bantan R; Basaham A	2020	Shoreline evolution between al Lith and Ras Mahsin on the red sea coast Saudi Arabia using GIS and DSAS techniques	DSAS; Endpoint Rate; Linear Regression Rate; Red Sea; Shoreline Evolution	2	Journal of The Indian Society of Remote Sensing	10.1007/s12524-020-01169-6
259	Veettil B; Van D; Quang N	2020	Biodiversity and nature conservation in island ecosystems spatiotemporal changes in Socotra Archipelago, Yemen	Endemic Species; Grassland Remote Sensing; Grazing; Island Biodiversity; Plant Invasion; Urban Settlements	1	Journal of Coastal Conservation	10.1007/s11852-020-00774-4
260	Ates A; Yilmaz O; Gulgen F	2020	Using remote sensing to calculate floating photovoltaic technical potential of a dams surface	Evaporation; Floating Photovoltaic; Remote Sensing; Solar Energy; Supervised Classification	3	Sustainable Energy Technologies and Assessments	10.1016/j.seta.2020.100799
261	Benkhatab F; Hakkou M; Bagdanavičiūtė I; Mrini A; Zagaoui H; Rhinane H; Maanan M	2020	Spatiotemporal analysis of the shoreline change rate using automatic computation and geospatial tools along the Tetouan coast in Morocco	Anthropogenic Impacts; Coastal Hazard; Digital Shoreline Analysis System (DSAS); Shoreline Changes	8	Natural Hazards	10.1007/s11069-020-04179-2
262	Yue H; Li Y; Qian J; Liu Y	2020	A new accuracy evaluation method for water body extraction	NA	12	International Journal of Remote Sensing	10.1080/01431161.2020.1755740
263	Warnasuriya T; Kumara M; Gunasekara S; Gunaalan K; Jayathilaka R	2020	An improved method to detect shoreline changes in small-scale beaches using Google Earth Pro	DSAS; GIS; Google Earth Pro; Remote Sensing; Small-Scale Beach	1	Marine Geodesy	10.1080/01490419.2020.1822478

264	Fauzia A; Syamsidik S; Syahreza S	2020	Spatiotemporal shoreline changes analysis based on Landsat satellite images in Lahewa beach of north Nias due to tectonics 2005	NA	0	IOP Conference Series: Materials Science and Engineering	10.1088/1757-899X/933/1/012055
265	Briceno-De-Urbaneja I; Ugalde-Peralta R; Sanchez-Garcia E; Pardo-Pascual J; Palomar-Vazquez J; Perez-Martinez W; Vidal-Paez P; Parrao-Barrera M	2020	Intra-annual coastal dynamics through remote sensors and morphosedimentary patterns Reñaca beach and Concon Bay Central Chile	Optical Remote Sensing; Shoreline Detection	0	International Geoscience and Remote Sensing Symposium (IGARSS)	10.1109/IGARSS39084.2020.9323961
266	Carvalho R; Kennedy D; Niyazi Y; Leach C; Konlechner T; Ierodiaconou D	2020	Structure-from-motion photogrammetry analysis of historical aerial photography determining beach volumetric change over decadal scales	Aerial Photogrammetry; Coastal Change; Port Fairy; SFM-Mvs Photogrammetry; Volumetric Comparison; Warmnambool	8	Earth Surface Processes and Landforms	10.1002/esp.4911
267	Chen D; Li X; Saito Y; Liu J; Duan Y; Liu S; Zhang L	2020	Recent evolution of the Irrawaddy Ayeyarwady delta and the impacts of anthropogenic activities: A review and remote sensing survey	Coastal Geomorphology; Delta Evolution; Fluvial Geomorphology; Human Activities; Remote Sensing; Shoreline Change	15	Geomorphology	10.1016/j.geomorph.2020.107231
268	Bartsch A; Ley S; Nitze I; Pointner G; Vieira G	2020	Feasibility study for the application of synthetic aperture radar for coastal erosion rate quantification across the Arctic	Arctic; Coast; Erosion; Permafrost; Radar; SAR	1	Frontiers In Environmental Science	10.3389/fenvs.2020.00143
269	Li P; Pu S; Li Z; Wang H	2020	Coastline change monitoring of Jiaozhou Bay from multi-source SAR and Optical Remote Sensing images since 2000-2000	Change Analysis; Coastline Change Detection; Jiaozhou Bay; Optical Remote Sensing; SAR Remote Sensing	1	Wuhan Daxue Xuebao (Xinxi Kexue Ban)/Geomatics and Information Science of Wuhan University	10.13203/j.whuGIS20180483

270	Zagórski P; Jarosz K; Superson J	2020	Integrated assessment of shoreline change along the calypsostranda Svalbard from remote sensing field survey and GIS	Coastal Change; Coastal Erosion; Coastal Morphodynamics; DSAS; Shoreline Hazard Map; Svalbard	10	Marine Geodesy	10.1080/01490419.2020.1715516
271	Sabuncu A	2020	Monitoring shoreline change of Acigol and Burdur lakes in Turkey over 44 years using remote sensing and GIS approaches	Acigöl Lake; Burdur Lake; MNDWI; NDWI; OBIA Classification; SVM Classification	1	Fresenius Environmental Bulletin	NA
272	Crawford T; Islam M; Rahman M; Paul B; Curtis S; Miah M; Islam M	2020	Coastal erosion and human perceptions of revetment protection in the lower Meghna estuary of Bangladesh	Bangladesh Delta; Coastal Erosion; Human Dimensions; Revetment; Shoreline Protection	3	Remote Sensing	10.3390/RS12183108
273	Bougherira A; Ghodbani T; Kouti A	2020	Contemporary geomorphic evolution of Falcon Cape sandy coastline Oran Algeria geographical information system GIS-based approach	Anthropogenic Pressure; Falcon Cape; Geomorphic Evolution; GIS; Sandy Coastline	1	Arabian Journal of Geosciences	10.1007/s12517-020-05983-7
274	Veettil B; Costi J; Marques W; Tran X; Quang N; Van D; Hoai P	2020	Coastal environmental changes in southeast Asia: A study from Quang Nam province, Central Vietnam	Coastal Remote Sensing; Coastal Vegetation; Sea Level Rise; Shoreline Erosion; Vietnamese Coastline	3	Regional Studies In Marine Science	10.1016/j.rsma.2020.101420
275	Velsamy S; Balasubramaniyan G; Swaminathan B; Kesavan D	2020	Multidecadal shoreline change analysis in coast of Thiruchendur Taluk Thoothukudi district Tamil Nadu India using remote sensing and DSAS techniques	Accretion; DSAS; Erosion; LRR	3	Arabian Journal of Geosciences	10.1007/s12517-020-05800-1
276	Sánchez-García E; Palomar-Vázquez J; Pardo-Pascual J; Almonacid-Caballer J; Cabezas-Rabadán C; Gómez-Pujol L	2020	An efficient protocol for accurate and massive shoreline definition from mid-resolution satellite imagery	Beach Changes; Coastal Monitoring; Landsat 8; Sentinel 2; Shorex; Sub-Pixel Shoreline Mapping; Video-Monitoring	12	Coastal Engineering	10.1016/j.coastaleng.2020.103732

277	Dereli M; Tercan E	2020	Assessment of shoreline changes using historical satellite images and geospatial analysis along the lake Salda in Turkey	DSAS; GIS; Lake Salda; Landsat; Shoreline Change; Spatial Analysis	8	Earth Science Informatics	10.1007/s12145-020-00460-x
278	Bogardus R; Maio C; Mason O; Buzard R; Mahoney A; De W C	2020	Midwinter breakout of landfast sea ice and major storm leads to significant ice push event along Chukchi sea coastline	Arctic; Cape Espenberg; Climate Change; Erosion; IVU; Kotzebue Sound; Sea Ice; Storm Surge	1	Frontiers In Earth Science	10.3389/feart.2020.00344
279	Shandi Z; Helali H	2020	Investigation of 2019 rainfall effects on Urmia lake surface and extraction of lake shoreline changes and comparison with the previous decade using remote sensing images and GIS	Change Detection; GIS; Landsat; NDWI Index; Rainfall; Remote Sensing; Shoreline; Urmia Lake	1	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprs-archives-XLIII-B3-2020-759-2020
280	Aldogom D; Albeshier S; Mansoori S; Nazzal T	2020	Assessing coastal land dynamics along UAE shoreline using GIS and remote sensing techniques	and End Point Rate (EPR); Geographic Information System (GIS); Linear Regression Rate (LRR); Net Shoreline Movement(NSM); Remote Sensing	2	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/540/1/012031
281	Nor N; Tahar K; Suprijo T; Sulaiman S	2020	Shoreline changes analysis along the coast of Kuala Terengganu Malaysia using DSAS	Accretion; DSAS; Erosion; Landsat; LRR; Shoreline Changes	0	2020 11th IEEE Control and System Graduate Research Colloquium, Icsgrc 2020 - Proceedings	10.1109/ICSGRC49013.2020.9232586

282	Mondal I; Thakur S; Juliev M; Bandyopadhyay J; De T	2020	Spatiotemporal modelling of shoreline migration in Sagar island west Bengal, India	Accretion; Endpoint Rate; Erosion; Linear Regression; Remote Sensing and GIS; Shoreline	6	Journal of Coastal Conservation	10.1007/s11852-020-00768-2
283	Thirumurthy S; Jayanthi M; Samynathan M; Duraisamy M; Nagaraj G; Anbazhahan N	2020	Land and human resources vulnerability to the impact of climate change in ecologically important coastal regions	Coastline Change; Digital Shoreline Analysis System (DSAS); Fishers; Geospatial; Sea-Level Increase; Vulnerable Regions	0	Journal of Coastal Conservation	10.1007/s11852-020-00766-4
284	Godwyn-Paulson P; Jonathan M; Hernandez F; MuthUSAnkar G; Lakshumanan C	2020	Coastline variability of several Latin American cities alongside Pacific ocean due to the unusual sea swell events of 2015	Coastal Cities; DSAS; El Niño/Southern Oscillation; Inundation; Latin American Countries; Sea Swell 2015	1	Environmental Monitoring and Assessment	10.1007/s10661-020-08469-x
285	Kumar L; Afzal M; Afzal M	2020	Mapping shoreline change using machine learning: A case study from the eastern Indian coast	Artificial Neural Network; Edge Detection; Image Processing; Machine Learning; Shoreline Change	2	Acta Geophysica	10.1007/s11600-020-00454-9
286	Ratnayakage S; Sasaki J; Suzuki T; Jayaratne R; Ranawaka R; Pathmasiri S	2020	On the status and mechanisms of coastal erosion in Marawila beach Sri Lanka	Beach Nourishment; Coastline Change; Developing Country; Sand Mining; Wave Climate Change	0	Natural Hazards	10.1007/s11069-020-04034-4
287	Ciritci D; Türk T	2020	Assessment of the Kalman filter-based future shoreline prediction method	GIS; Kalman Filter; Remote Sensing; Shoreline Change Analysis; Shoreline Prediction	2	International Journal of Environmental Science and Technology	10.1007/s13762-020-02733-w
288	Dewi R; Bijker W	2020	Dynamics of shoreline changes in the coastal region of Sayung, Indonesia	Change Detection; Monitoring; Multi-Temporal Images; Shoreline; Shoreline Change	12	Egyptian Journal of Remote Sensing and Space Science	10.1016/j.ejrs.2019.09.001

289	Li Z; Jingjuan L; Xin Y; Xiaodong M; Xixi S; Jingpeng B	2020	Remote sensing analysis of coastline changes in Hainan island during 1987-2017	Coastline; Ecological Environment; Hainan Island; Mangrove; Remote Sensing	0	Tropical Geography	10.13284/j.cnki.rddl.003260
290	Vos K; Harley M; Splinter K; Walker A; Turner I	2020	Beach slopes from satellite-derived shorelines	Beach Slope; Coastsat; Google Earth Engine; Landsat; Satellite Imagery; Tidal Correction	18	Geophysical Research Letters	10.1029/2020GL088365
291	Chu L; Oloo F; Sudmanns M; Tiede D; Hölbling D; Blaschke T; Teleoaca I	2020	Monitoring longterm shoreline dynamics and human activities in the Hangzhou Bay China combining daytime and nighttime EO data	Earth Observation; Google Earth Engine; Human Activities; Shorelines Dynamics	6	Big Earth Data	10.1080/20964471.2020.1740491
292	Lin K; Zhang C; Han M	2020	An improved distance regularization level set evolution method for coastline change detection	Change Detection; Coastline Extraction; Distance Regularization Level Set Evolution Method	1	Chinese Control Conference, Ccc	10.23919/CCC50068.2020.9189361
293	Mahmud M; Mia A; Islam M; Peas M; Farazi A; Akhter S	2020	Assessing bank dynamics of the lower Meghna river in Bangladesh an integrated GIS-DSAS approach	Bangladesh; Bank Dynamics; Digital Shoreline Analysis System (DSAS); GIS; Lower Meghna River; Riverbank Erosion and Accretion	4	Arabian Journal of Geosciences	10.1007/s12517-020-05514-4
294	Gremillion S; Wallace D; Wright S; Buijsman M	2020	Response and recovery of horn and Petit Bois islands Mississippi, USA to tropical cyclone impacts 2004-2016	Barrier Island Geomorphology; Hurricanes; LIDAR; Sediment Transport	2	Geomorphology	10.1016/j.geomorph.2020.107152
295	Kaamin M; Fadzil M; Razi M; Daud M; Abdullah N; Nor A; Ahmad N	2020	The shoreline bathymetry assessment using Unmanned Aerial Vehicle (UAV) photogrammetry	NA	0	Journal of Physics: Conference Series	10.1088/1742-6596/1529/3/032109

296	Apostolopoulos D; Nikolakopoulos K	2020	Assessment and quantification of the accuracy of low and high-resolution remote sensing data for shoreline monitoring	Accretion; Accuracy; Erosion; Forecast; Landsat; Shoreline	4	ISPRS International Journal of Geo-Information	10.3390/ijgi9060391
297	Specht M; Specht C; Lewicka O; Makar A; Burdzia-kowski P; Dabrowski P	2020	Study on the coastline evolution in SOPOT 2008-2018 based on Landsat satellite imagery	Coastline Changes; Landsat; Satellite Imagery; Sopot	9	Journal of Marine Science and Engineering	10.3390/JMSE8060464
298	Santos C; Andriolo U; Ferreira J	2020	Shoreline response to a sandy nourishment in a wave-dominated coast using video monitoring	Beach; Erosion; NearShore; Remote Sensing; Sand	10	Water (Switzerland)	10.3390/W12061632
299	Hayakawa Y; Obanawa H	2020	Volumetric change detection in bedrock coastal cliffs using terrestrial laser scanning and UAS-based SFM	Change Detection; Coastal Erosion; Photogrammetry; Point Cloud; Structure from Motion; Terrestrial Laser Scanning; Unmanned Aerial System	7	Sensors (Switzerland)	10.3390/s20123403
300	Mitri G; Nader M; Abou D M; Gebrael K	2020	Investigating the performance of Sentinel-2A and Landsat-8 imagery in mapping shoreline changes	Aerial Photography; Geographic Object-Based Image Analysis; Landsat-8 Panchromatic; Quickbird; Sentinel-2a; Shoreline Changes	0	Journal of Coastal Conservation	10.1007/s11852-020-00758-4
301	Zhang Y	2020	An indicator and mincost approach for shoreline extraction from satellite imagery in muddy coasts	Geospatial Information; Muddy Coast; Satellite Image; Shoreline Extraction; The Yellow River Delta (YRD)	1	IEEE Transactions on Geoscience and Remote Sensing	10.1109/TGRS.2019.2963460
302	Das S	2020	Does mangrove plantation reduce coastal erosion assessment from the west coast of India	Accretion; Coastal Protection; Coastline Change; Erosion; Gujarat; Planted Mangroves	4	Regional Environmental Change	10.1007/s10113-020-01637-2

303	Ciritci D; Türk T	2020	Analysis of coastal changes using remote sensing and geographical information systems in the Gulf of Izmit, Turkey	Change Detection; Coastline; Digital Shoreline Analysis System; GIS	2	Environmental Monitoring and Assessment	10.1007/s10661-020-08255-9
304	Mullick M; Islam K; Tanim A	2020	Shoreline change assessment using geospatial tools: A study on the Ganges deltaic coast of Bangladesh	Digital Shoreline Analysis System; Ganges Deltaic Coast; Regression Techniques; Shoreline Change; Spatial Analysis	15	Earth Science Informatics	10.1007/s12145-019-00423-x
305	Bacino G; Dragani W; Codignotto J; Pescio A; Farenga M	2020	Shoreline change rates along samborombón Bay Río de La Plata estuary, Argentina	Conceptual Model; Río De La Plata; Salt Marshes; Samborombón Bay; Shoreline Change Rate; Swan Model	4	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2020.106659
306	Fan Q; Liang L; Liang F; Sun X	2020	Research progress on coastline change in China	Change; China; Coastline; Progress	3	Journal of Coastal Research	10.2112/SI99-041.1
307	Randazzo G; Barreca G; Cascio M; Crupi A; Fontana M; Gregorio F; Lanza S; Muzirafuti A	2020	Analysis of very high spatial resolution images for automatic shoreline extraction and satellite-derived bathymetry mapping	Binary Imaging Analysis; Climate Change; Coastal Erosion; Geoeye-1; Image Processing; Pocket Beach; Remote Sensing; San Vito Lo Capo; Satellite-Derived Bathymetry (SDB); Unmanned Aerial Vehicle (UAV)	9	Geosciences (Switzerland)	10.3390/geosciences10050172
308	Zhao Y; Liu Q; Huang R; Pan H; Xu M	2020	Recent evolution of coastal tidal flats and the impacts of intensified human activities in the modern radial sand ridges east China	Coastal Revolution; Human Activities; Modern Radial Sand Ridges; Tidal Flats	4	International Journal of Environmental Research and Public Health	10.3390/ijerph17093191

309	Al-Aesawi Q; Al-Nasrawi A; Jones B	2020	Short-term geoinformatics evaluation in the Shatt Alarab delta northwestern Arabian Persian Gulf	Delta Dynamism; Geoinformatics Modelling; Geomorphic Stressors; Human Impacts	3	Journal of Coastal Research	10.2112/JCOASTRES-D-19-00110.1
310	Carvalho B; Dalbosco A; Guerra J	2020	Shoreline position change and the relationship to annual and interannual meteoceanographic conditions in southeastern Brazil	Coastal Morphology; El Niño/La Niña Teleconnections; Landsat Imagery; Rio De Janeiro Sandy Beaches; WW3 Model	10	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2020.106582
311	Zulfakar M; Akhir M; Ariffin E; Awang N; Yaacob M; Chong W; Muslim A	2020	The effect of coastal protections on the shoreline evolution at Kuala Nerus Terengganu, Malaysia	Coastal Erosion; Coastal Structures; DSAS; Google Earths; UAV	3	Journal of Sustainability Science and Management	NA
312	SARhan T; Mansour N; El-Gamal M; NasSAR K	2020	Historical shoreline trend analysis in the vicinity of Elhammra port at northwestern coast of Egypt	and Landsat Images; DSAS; Shoreline Change Rates	0	Journal of Sustainability Science and Management	NA
313	Sui L; Wang J; Yang X; Wang Z	2020	Spatialtemporal characteristics of coastline changes in Indonesia from 1990 to 2018	Change Monitoring; Coastline; GIS; Indonesia; Remote Sensing	14	Sustainability (Switzerland)	10.3390/SU12083242
314	Kalther J; Itaya A	2020	Coastline changes and their effects on land use and cover in Subang Indonesia	Accretion; Erosion; Fishpond; MNDWI; Satellite Image	6	Journal of Coastal Conservation	10.1007/s11852-020-00736-w
315	Pollard J; Spencer T; Brooks S; Christie E; Möller I	2020	Understanding spatio-temporal barrier dynamics through the use of multiple shoreline proxies	Barrier Island; Shoreline Change; Shoreline Error; Shoreline Proxy	4	Geomorphology	10.1016/j.geomorph.2020.107058
316	Sinitsyn A; Guegan E; Shabanova N; Kokin O; Ogorodov S	2020	Fifty-four years of coastal erosion and hydrometeorological parameters in the Varandey region Barents sea	Arctic Coastal Dynamics; Arctic Coastal Erosion; Coastal Erosion Monitoring; Medynskiy; Pesyakov; Remote Sensing; Varandey	7	Coastal Engineering	10.1016/j.coastaleng.2019.103610

317	Trinh L; Le T; Kieu V; Ly T; Nguyen T	2020	Application of remote sensing technique for shoreline change detection in Ninh Binh and Nam Dinh provinces Vietnam during the period 1988 to 2018 based on water indices	Awei; Landsat; Remote Sensing; Shoreline Change; Vietnam; Water Index	2	Russian Journal of Earth Sciences	10.2205/2020ES000686
318	Pérez V J; Müller M	2020	Impact of Hurricane Maria on beach erosion in Puerto Rico remote sensing and causal inference	Beach Losses; Causal Inference; Hurricane; Regression Discontinuity; SAR; Synthetic Aperture Radar	3	Geophysical Research Letters	10.1029/2020GL087306
319	Alessio P; Keller E	2020	Short-term patterns and processes of coastal cliff erosion in Santa Barbara, California	Cliff Retreat; Coastal; Coastal Cliff; Seacliff	10	Geomorphology	10.1016/j.geomorph.2019.106994
320	Donal A; Andriani A	2020	Coastal disaster mitigation through shoreline changes analysis in Pariaman city	NA	0	E3S Web of Conferences	10.1051/E3Sconf/202015601007
321	Qi M; Yao X; Liu S; Zhu Y; Gao Y; Liu B	2020	Dynamic change of lake Qinghai shoreline from 1973 to 2018	Bird Habitat Change; Lake Qinghai; Lake Shoreline Length; Lake Shoreline Tortuosity	4	Hupo Kexue/Journal of Lake Sciences	10.18307/2020.0225
322	Hoang V	2020	Longterm evolution of morphology at Loc an estuary Vung Tau Vietnam	Erosion; Landsat Image; Longshore Sediment; Migration; River Mouth; Shoreline	2	Marine Geodesy	10.1080/01490419.2019.1606125
323	Rajasree B; Deo M	2020	Future geomorphologic changes under the changing climate	Climate Change; Geomorphologic Change; Neural Network; Numerical Model; Satellite Imageries	0	Journal of Coastal Research	10.2112/SI89-002.1
324	Dhanalakshmi S; Kankara R	2020	Assessment on shoreline retreat in response to sea level rise Chennai coast	GIS; Inundation; Sea Level Rise; Shoreline Change Analysis	0	Journal of Coastal Research	10.2112/SI89-024.1

325	Ogorodov S; Aleksyutina D; Baranskaya A; Shabanova N; Shilova O	2020	Coastal erosion of the Russian Arctic: An overview	Climate Change; Coastal Erosion; Ice-Free Period; Permafrost; Russian Arctic	8	Journal of Coastal Research	10.2112/SI95-117.1
326	Cabezas-Rabadán C; Pardo-Pascual J; Palomar-Vázquez J; Ferreira ; Costas S	2020	Satellite derived shorelines at an exposed meso-tidal beach	Beach Changes; Landsat-8; SDS Assessment; Sentinel-2; Subpixel Extraction	3	Journal of Coastal Research	10.2112/SI95-200.1
327	Da S A; Woortmann L; Da S G; Murray T; Strauss D; Tomlinson R	2020	A 90year morphodynamic analysis in southern Queensland, Australia	Beach Erosion; Sand Bypassing; Shoreline Changes; Spit Development	5	Journal of Coastal Research	10.2112/SI95-085.1
328	Tak W; Jun K; Kim S; Lee H	2020	Using drone and Lidar to assess coastal erosion and shoreline change due to the construction of coastal structures	Breakwater; Erosion; Sediment Transport; Sedimentation; Shoreline; Waterway	3	Journal of Coastal Research	10.2112/SI95-131.1
329	Garcin M; Desmazes F; Lerma A; Gouguet L; Météreau V	2020	Contribution of lightweight revolving laser scanner hires UAV Lidars and photogrammetry for characterization of coastal aeolian morphologies	Aeolian Processes; Dune; Hand Laser; LIDAR; Photogrammetry; UAV	1	Journal of Coastal Research	10.2112/SI95-213.1
330	Bugajny N; Furmańczyk K	2020	Short-term volumetric changes of berm and beachface during storm calming	Baltic Coast; Beach Recovery; Shoreline Displacement; Volume Changes	1	Journal of Coastal Research	10.2112/SI95-077.1
331	Murali R; Reshma K; Kumar S; Balaji S; Krishnam R D; Ramakrishnan R	2020	Spatiotemporal coastal morphological changes of Godavari delta region in the east coast of India	Beach Erosion; Beach Profile; Godavari Delta; Remote Sensing; Shoreline	0	Journal of Coastal Research	10.2112/SI95-122.1
332	Martín J; Carreras D; Pons G; Almaraz	2020	Shoreline historical evolution 1956-2015 of beaches of menorca Balearic islands	Beach Management; DSAS; Menorca; Shoreline	2	Journal of Coastal Research	10.2112/SI95-110.1
333	Bergsma E; Sadio M; Sakho I; Almar R; Garlan T; Gosselin M; Gauduin H	2020	Sandspit evolution and inlet dynamics derived from spaceborne optical imagery is the Senegal river inlet closing	Coastal; Sand-Spit; Senegal; Shoreline Change; St. Louis	2	Journal of Coastal Research	10.2112/SI95-072.1

334	Baranskaya A; Novikova A; Shabanova N; Romanenko F; Ogorodov S	2020	Late quaternary and modern evolution of permafrost coasts at Beliy island Kara sea	Beliy Island; Kara Sea; Permafrost; Quaternary Sediments; Thermoabration	1	Journal of Coastal Research	10.2112/SI95-069.1
335	Manzolli R; Portz L; Villate D; Contreras M; Padilla J L; Alcántara-Carrió J	2020	Magnitude and causes of beach accretion on the eastern margin of the Tayrona national natural park Colombian caribbean	DSAS; Hurricanes; Litoral Drift; Sediment Input; Shoreline Migration; Tourist Pressure	0	Journal of Coastal Research	10.2112/SI95-058.1
336	Nicu I; Stalsberg K; Rubensdotter L; Martens V; Flyen A	2020	Coastal erosion affecting cultural heritage in Svalbard: A case study in Hiorthhamn Adventfjorden an abandoned mining settlement	Coastal Erosion; Cultural Heritage; DSAS; Geomorphological Mapping; High Arctic; Monitoring; Shoreline; Svalbard	8	Sustainability (Switzerland)	10.3390/su12062306
337	Boye C; Fiadonu E	2020	Lithological effects on rocky coastline stability	Accretion; Earth Sciences; Environmental Science; Microscopy; Mineralogy; Petrography; Quartz-Feldspar Ratio; Recession; Sandstones; Shoreline Change; Stacks of Rocks	0	Heliyon	10.1016/j.heliyon.2020.e03539
338	Kabir M; Salauddin M; Hossain K; Tanim I; Saddam M; Ahmad A	2020	Assessing the shoreline dynamics of Hatiya island of Meghna estuary in Bangladesh using multiband satellite imageries and hydrometeorological data	Change Detection; Coastal Dynamics; offshore Island; Shoreline Dynamics	9	Regional Studies In Marine Science	10.1016/j.rsma.2020.101167
339	Di P G; Rodríguez G; Roskopf C	2020	Short to midterm shoreline changes along the southeastern coast of Gran Canaria island, Spain	Beach Erosion–Accretion; Coastal Defences; Marine Climate; Multi-Temporal GIS Analysis; Shoreline Evolution	3	Rendiconti Lincei	10.1007/s12210-020-00872-3

340	Mohamed S	2020	Coastal vulnerability assessment using GIS-based multicriteria analysis of alexandrianorthwestern Nile delta Egypt	Alexandria-Northwestern Nile Delta; Aster; Atellite Images; Classification; Coastal Vulnerability; Dem; Egypt; GIS; Multi-Criteria	5	Journal of African Earth Sciences	10.1016/j.jafrearsci.2020.103751
341	Johnson C; Chen Q; Ozdemir C	2020	Lidar timeseries analysis of a rapidly transgressing low-lying mainland barrier caminada headlands Louisiana, USA	Coastal Geomorphology; Hurricanes; LIDAR; Shoreline Erosion	5	Geomorphology	10.1016/j.geo-morph.2019.106979
342	Song Y; Li D; Hou X	2020	Characteristics of mainland coastline changes in southeast Asia during the 21st century	Coastline Change Rate; Coastline Fractal Dimension; Coastline Structure; Land-Sea Interchange	2	Journal of Coastal Research	10.2112/JCOASTRES-D-19-00018.1
343	Nagdee M; Nurse L; Inniss L; Chadwick A; Johnson T	2020	Historical shoreline mapping application of the digital shoreline analysis system to the evolution of worthing beach barbados following hurricanes Allen 1980 and Ivan 2004	Aerial Photographs; Coastal Erosion; DSAS; GIS; Hurricanes; Linear Regression; Shoreline Projection; Transects	0	Journal of Coastal Research	10.2112/JCOASTRES-D-18-00098.1
344	Natih N; Pasaribu R; Sangadji M; Kusumaningrum E	2020	Study on shoreline changes using Landsat imagery in sangsit region Bali province	NA	1	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/429/1/012059
345	Goksel C; Senel G; Dogru A	2020	Determination of shoreline change along the Black sea coast of Istanbul using remote sensing and GIS technology	Coastal Erosion; DSAS; Landsat-8; Normalized Difference Water Index; Shoreline Change; Spectral Water Index Algorithms	0	Desalination and Water Treatment	10.5004/dwt.2020.24975
346	Vu M; Lacroix Y; Van T V; Nguyen V	2020	Prediction of shoreline changes in Almanarre beach using geospatial techniques	Accretion; DSAS; Erosion; Remote Sensing; Shoreline Extraction]	1	Indian Journal of Geo-Marine Sciences	NA

347	Tyagi S; Rai S	2020	Monitoring shoreline changes along Andhra coast of India using remote sensing and geographic information system	Andhra Coast; DSAS; GIS; NSM; Remote Sensing; Shoreline Change	3	Indian Journal of Geo-Marine Sciences	NA
348	Zhang Y; Hou X	2020	Characteristics of coastline changes on southeast Asia islands from 2000 to 2015	Climate Change; Coastal Risk; Coastline Change; Island; Southeast Asia; Spatial Variability	13	Remote Sensing	10.3390/rs12030519
349	Angnuureng D; Jayson-Quashigah P; Almar R; Stieglitz T; Anthony E; Aheto D; Addo K	2020	Application of shore-based video and Unmanned Aerial Vehicles drones complementary tools for beach studies	Beach Profile; Coastal Management; Dzita; Intertidal Morphology; Shoreline Change; UAV; Video Camera	10	Remote Sensing	10.3390/rs12030394
350	Dalabehera L; Hazra A; Pattanayak S; Pal T	2020	The paleo-beach ridges of Digha coastal tract west Bengal India observation and implication for sea regression from 500 ybp to 200 ybp	NA	1	Journal of The Geological Society of India	10.1007/s12594-020-1402-7
351	Otmani H; Belkessa R; Bengoufa S; Boukhediche W; Djerrai N; Abbad K	2020	Assessment of shoreline dynamics on the eastern coast of Algiers, Algeria a spatiotemporal analysis using in situ measurements and geospatial tools	Coastal Vulnerability; DGPS; DSAS; Eastern Algiers; Erosion; Geomorphology; GIS; Shoreline	5	Arabian Journal of Geosciences	10.1007/s12517-020-5069-6
352	Muskananfola M; Supriharyono S; Febrianto S	2020	Spatiotemporal analysis of shoreline change along the coast of Sayung Demak, Indonesia using digital shoreline analysis system	DSAS; Erosion Accretion; Sayung Demak; Shoreline Changes	13	Regional Studies In Marine Science	10.1016/j.rsma.2020.101060
353	Warnadi W; A'Rachman F; Hijrawadi S	2020	Spatio-temporal shoreline change analysis in the downstream area of Cisadane watershed since 1972	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/412/1/012007
354	Jalaludin M; Setiawan C; Zid M; Utomo R	2020	Analysis of shoreline changes before and after the tsunami at Tanjung lesung beach Banten province of Indonesia	NA	2	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/412/1/012004

355	Danladi I; Gül M; Ateş E	2020	Response of the barrier island coastal region of southwestern Nigeria to climate and non-climate forcing	Coastal Erosion; Eko Atlantic Project; Gulf of Guinea; Human Impacts; Landsat Imagery; Longshore Drift; Sediment Accumulation; Water Extraction Indices	1	African Journal of Marine Science	10.2989/1814232X.2020.1727953
356	Hil G	2020	Better management through measurement: Integrating archaeological site features into a GIS-based erosion and sea level rise impact assessment-Blueskin Bay, New Zealand	Climate Change; Coastal Archaeology; Coastal Erosion; Digital Shoreline Analysis System (DSAS); Heritage Management; Sea Level Rise	6	Journal of Island and Coastal Archaeology	10.1080/15564894.2018.1531331
357	Pizzo S; Angrisano A; Gaglione S; Troisi S	2020	Assessment of shoreline detection using UAV	NA	0	Metrosea 2020 - Tc19 International Workshop on Metrology For The Sea	NA
358	Bui D; Nguyen Q; Vo N; Thai T; Gourbesville N	2020	Coastline change assessment for Quang Ngai province using Landsat image	Remote Sensing; Shoreline Change; Vietnam Central	0	Springer Water	10.1007/978-981-15-5436-0_58
359	Hastuti A; Nagai M	2020	Coastline change detection using remote sensing approach in Buleleng Regency Bali province	Abrasion; Accretion; Buleleng Regency; MNDWI; Sentinel-2	0	ACRS 2020 - 41st Asian Conference on Remote Sensing	NA
360	Do A; Kralli V; Vries S; Nguyen V; Stive M	2020	Morphodynamics of a seasonal inlet: A case study using remote sensing and numerical modelling for Cua Dai inlet central Vietnam	Coastal Squeeze; Cua Dai Beach; Cua Dai Inlet; Seasonal Inlet	0	APAC 2019 - Proceedings of The 10th International Conference on Asian and Pacific Coasts	10.1007/978-981-15-0291-0_58

361	Vo N; Vo T; Nguyen C	2020	Landsat image processing application for Binhdin h shoreline change	Binhdin h Province; Image Processing; Landsat Image; Shoreline Change	2	APAC 2019 - Proceedings of The 10th International Conference on Asian and Pacific Coasts	10.1007/978-981-15-0291-0_45
362	Pham V C; Nguyen-Van G	2020	Longterm coastline monitoring in the Tra Vinh province using Landsat images	Coastline Monitoring; Google Earth Engine; Landsat Images; Multi-Temporal Cloud Removal	1	APAC 2019 - Proceedings of The 10th International Conference on Asian and Pacific Coasts	10.1007/978-981-15-0291-0_70
363	Bayram B; Ince A	2020	Integration of self-organizing map and machine learning methods to extract shorelines from Landsat-8 images	Artificial Neural Networks; Landsat-8 Imagery; Random Forest; Self-Organizing Maps; Shoreline Extraction	0	40th Asian Conference on Remote Sensing, ACRS 2019: Progress of Remote Sensing Technology For Smart Future	NA
364	Bayram B; Seker D; Akpinar B	2020	Efficiency of different machine learning methods for shoreline extraction from UAV images	Random Forest; Shoreline Extraction; Support Vector Machines; UAV; Water Body Classification	0	40th Asian Conference on Remote Sensing, ACRS 2019: Progress of Remote Sensing Technology For Smart Future	NA

365	Moreira T; Albuquerque M; Espinoza J; De P D; Alves D; Barros E; Bendô A; Da C T	2020	Study of the shoreline behavior at Icarai beach Caucaia Ceará using digital shoreline analysis system and the change polygon methods estudo do comportamento da linha de costa na praia do icaraí caucaia ceará a partir dos métodos digital shoreline analysis system e do polígono de mudança	Change Polygon; DSAS; Erosion; Remote Sensing	0	Revista Brasileira De Geografia Fisica	10.26848/rbgf.v13.07.p3395-3411
366	Da S N C; Duarte C; Souto M; Freires E; De S W; Da S M	2020	Identification of the erosive and depositional sectors of the Icapuí CE shoreline based on remote sensing products and geoprocessing techniques caracterização dos setores erosivos e deposicionais da linha de costa de icapuí ce com base em produtos de sensoriamento remoto e técnicas de geoprocessamento	Coastal Erosion; Shoreline Change; Temporal Analysis	0	Revista Brasileira De Geografia Fisica	10.26848/rbgf.v13.1.p143-155
367	Bidorn B; PhanomphongphaiSARn N; Rukvichai C; Kongsawadworakul P	2020	Evolution of mangrove muddy coast in the western coast of the upper Gulf of Thailand over the past six decades	Coastal Erosion; Human Activities; Mangrove Deforestation; Shoreline Change	3	Springer Water	10.1007/978-981-15-2081-5_25
368	Van L N; Van B D; Bac D; Cuong N; Nga P; Burkhard B; Chi G	2020	Assessment of shoreline changes for setback zone establishment from Son Tra (Da Nang city) to Cua Dai (Hoi An city), Vietnam	Coastal Erosion; Hoi An; Linear Regression; Setback Zone; Shoreline Changes	3	Vietnam Journal of Earth Sciences	10.15625/0866-7187/42/4/15410
369	Italiani D; Siegle E; Noernberg M	2020	Tidal inlet migration and formation: The case of the Ararapira inlet Brazil	Coastline Trends; Spit Breaching; Tidal Inlet Processes	0	Ocean and Coastal Research	10.1590/S2675-28242020068314
370	Foti G; Barillà G; Barbaro G; Puntorieri P	2020	Remote sensing and GIS to support coastal erosion risk analysis in Calabria, Italy	Coastal Erosion; Coastal Risk Assessment; GIS; Index-Based Methodology; Remote Sensing; Shoreline Changes	0	Wit Transactions on Engineering Sciences	10.2495/RISK200061

371	Sharma G; Patnaik K	2020	Assessment of coringa mangrove shoreline migration using geo-spatial techniques	Accretion; End Point Rate; Erosion; Linear Regression Rate; Mangrove Shoreline; Net Shoreline Movement	1	Journal of Operational Oceanography	10.1080/1755876X.2020.1840245
372	Cherkez E; Medinets V; Pavlik T; Gazyetov Y; Medinets S; Kozlova T	2020	Using of Landsat space images to study the dynamic of coastline changes in the Black sea north-western part in 1983-2013	NA	2	Geoinformatics 2020 - Xixth International Conference "Geoinformatics: Theoretical and Applied Aspects"	NA
373	Liu Z; Xu N; Wang J	2020	Satellite-observed evolution dynamics of the Yellow river delta in 1984-2018	Coast Expansion and Shrinkage; Remote Sensing; Runoff and Sediment; Spatio-temporal Analyses; Yellow River Delta (YRD)	3	IEEE Journal of Selected topics In Applied Earth Observations and Remote Sensing	10.1109/JSTARS.2020.3026708
374	Yasir M; Sheng H; Fan H; Nazir S; Niang A; Salaudin M; Khan S	2020	Automatic coastline extraction and changes analysis using remote sensing and GIS technology	Canny Edge Detection; Change Detection; Coastline Detection; Digital Shoreline Analysis System (DSAS); GIS; Remote Sensing	13	IEEE Access	10.1109/ACCESS.2020.3027881
375	Apostolopoulos D; Nikolakopoulos K; Boumpoulis V; Depountis N	2020	GIS based analysis and accuracy assessment of low-resolution satellite imagery for coastline monitoring	Accuracy; Coastline; GIS; Landsat Imagery; Low Resolution; Monitoring; Shoreline	1	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2573440

376	Bio A; Gonçalves J; Pinho J; Vieira L; Vieira J; Smirnov G; Bastos L	2020	Coastal erosion vulnerability indicators: A case study in Northern Portugal indicadores de vulnerabilidade de erosão costeira um estudo de caso no norte de Portugal	Coastal Erosion; Coastal Risks; Coastal Vulnerability; Morphodynamics	2	Journal of Integrated Coastal Zone Management	10.5894/RGCI-N337
377	Chiara B G; Foti G; Barbaro G; Puntorieri P	2020	Shoreline changes of a pocket beach a remote sensing application	Pocket Beach; Remote Sensing; Sea Storms; Shoreline Changes; Wave Climate	1	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2571212
378	Jialiu L; Rongyong H; Kefu Y	2020	Analysis on the geomorphic changes of Huangyan island based on satellite images over the past 40 years	Climate Changes; Coral Reefs; Geomorphology; Huangyan Island; Remote Sensing	1	Quaternary Sciences	10.11928/j.issn.1001-7410.2020.03.15
379	Ghorai D; Bhunia G	2020	Automatic shoreline detection and its forecast: A case study on Dr Abdul Kalam island in the section of Bay of Bengal	Automatic Shoreline Extraction; Dr. Abdul Kalam Island; Geospatial Approach; Landsat Data; Shoreline Prediction	0	Geocarto International	10.1080/10106049.2020.1815868
380	Simões R; De O U	2020	Monthly monitoring of coastline in mostardense beach rs between 2016-2017 using UAV data monitoramento mensal da linha de costa no balneário mostardense rs entre 2016-2017 utilizando dados de vant	Beach Dune Limit; Change Polygon Method; Coastal Erosion; Frontal Dunes; UAV (Drone)	1	Quaternary and Environmental Geosciences	10.5380/ABE-QUA.V11I1.65729
381	Dang A; Nguyen T	2020	Coastal erosion in Cua Dai beach future influence of climate change and sea level rise on coastal protection	Climate Change; Coastal Defenses; Coastal Erosion; Cua Dai Beach; Sea Level Rise	2	APAC 2019 - Proceedings of The 10th International Conference on Asian and Pacific Coasts	10.1007/978-981-15-0291-0_72

382	PhanomphongphaiSARn N; Rukvichai C; Bidorn B	2020	Impacts of long jetties construction on shoreline change at the western coast of the Gulf of Thailand	Coastal Structure; Monitoring; One-Line Model; Sediment Characteristics; Shoreline Change	3	Engineering Journal	10.4186/ej.2020.24.4.1
383	Cham D; Son N; Minh N; Thanh N; Dung T	2020	An analysis of shoreline changes using combined multi-temporal remote sensing and digital evaluation model	Cua Dai; Erosion; Shoreline Evolution; Tidal Correction; Tidal Level	27	Civil Engineering Journal (Iran)	10.28991/cej-2020-03091448
384	Arif D; Prarikeslan W; Syaharani L	2020	Analysis of shoreline dynamics for coastal management practice in Pariaman west Sumatera	Abrasion and Accretion; Coastal Management; DSAS; Shoreline Change	0	International Journal of Geomate	10.21660/2020.72.ICGEO19
385	Kravtsova V; Vakhnina O	2020	Investigations of the yenisei river delta dynamics in multitemporal satellite images	Accumulation of Sediments; Coastal Erosion; Coastline; Delta Area Changes; Dynamics Maps; Remote Sensing Methods	1	Geodezia I Kartografia	10.22389/0016-7126-2020-955-1-34-47
386	Eidam E; Sutherland D; Ralston D; Dye B; Conroy T; Schmitt J; Ruggiero P; Wood J	2020	Impacts of 150 years of shoreline and bathymetric change in the coos estuary Oregon, USA	Dredging; Estuary; Finite-Volume Model; Habitat Change; Hydrodynamics; Sea-Level Rise; Sediment; Shoreline Change	4	Estuaries and Coasts	10.1007/s12237-020-00732-1
387	Elnabwy M; Elbeltagi E; El B M; Elshikh M; Motawa I; Kaloop M	2020	An approach based on Landsat images for shoreline monitoring to support integrated coastal management: A case study Ezbet Elborg Nile delta Egypt	Accuracy Assessment; GIS; Integrated Coastal Management; Landsat Images; Nile Delta; Seawall; Supported Vector Machines	15	ISPRS International Journal of Geo-Information	10.3390/ijgi9040199
388	Zanutta A; Lambertini A; Vittuari L	2020	UAV photogrammetry and ground surveys as a mapping tool for quickly monitoring shoreline and beach changes	Coastline Mapping; Geomatics; Network Rtk; SFM Photogrammetry	23	Journal of Marine Science and Engineering	10.3390/JMSE8010052

389	Novellino A; Engwell S; Grebby S; Day S; Cassidy M; Madden-Nadeau A; Watt S; Pyle D; Abdurrachman M; Nurshal M; Tappin D; Kurniawan I; Hunt J	2020	Mapping recent shoreline changes spanning the lateral collapse of Anak Krakatau volcano Indonesia	Anak Krakatau; Cloud Computing; Explosive Volcanism; Google Earth Engine; Sentinel-2; Shoreline; Tsunami Hazards	9	Applied Sciences (Switzerland)	10.3390/app10020536
390	Rodriguez-Padilla I; Castelle B; Marieu V; Morichon D	2020	A simple and efficient image stabilization method for coastal monitoring video systems	Geo-Rectification; Image Stabilization; Shoreline Change; Video Monitoring	13	Remote Sensing	10.3390/RS12010070
391	Kanwal S; Ding X; Sajjad M; Abbas S	2020	Three decades of coastal changes in Sindh, Pakistan (1989-2018): A geospatial assessment	Coastal Erosion; DSAS; Geographic Information System; Indus Delta Region; Landsat; Remote Sensing	5	Remote Sensing	10.3390/RS12010008
1534	Yasir M; Sheng H; Huang B; Rahman S	2020	Coastline extraction and land use change analysis using remote sensing RS and geographic information system GIS technology: A review of the literature	Change Analysis; Coastline Extraction; GIS; Remote Sensing Data	0	Reviews on Environmental Health	10.1515/reveh-2019-0103
1539	Medvedev A; Telnova N; Alekseenko N; Koshkarev A; Kuznetchenko P; Asmaryan S; Narykov A	2020	UAV-derived data application for environmental monitoring of the coastal area of lake Sevan Armenia with a changing water level	UAV; Highly-Detailed Spatial Data; Thermal Survey; Coastal Processes; Shoreline Position; Coastal Wetlands; Eutrophication; Multi-Platform Environmental Monitoring	3	Remote Sensing	10.3390/rs12223821
1548	Al-Zubieri A; Ghandour I; Bantan R; Basaham A	2020	Shoreline evolution between al lith and ras mahasin on the Red sea coast Saudi Arabia using GIS and DSAS techniques	Shoreline Evolution; DSAS; Endpoint Rate; Linear Regression Rate; Red Sea	3	Journal of The Indian Society of Remote Sensing	10.1007/s12524-020-01169-6

1566	Ciritci D; Turk T	2020	Automatic detection of shoreline change by geographical information system GIS and remote sensing in the Seyhan delta Turkey vol 47 pg 233 2019	NA	0	Journal of The Indian Society of Remote Sensing	10.1007/s12524-020-01116-5
1567	Apostolopoulos D; Nikolakopoulos K	2020	Assessment and quantification of the accuracy of low and high-resolution remote sensing data for shoreline monitoring	Landsat; Shoreline; Erosion; Accretion; Forecast; Accuracy	2	ISPRS International Journal of Geo-Information	10.3390/ijgi9060391
1580	Darmiati ; Nurjaya I; Atmadipoera A	2020	Analysis of shoreline change in west coast area of Tanah Laut district south Kalimantan	Abrasion and Accretion; Coastline Changes; Landsat Imagery; Tanah Laut Registry	0	Jurnal Ilmu Dan Teknologi Kelautan Tropis	10.29244/jitkt.v12i1.22815
1581	Elnabwy M; Elbeltagi E; El B M; Elshikh M; Motawa I; Kaloop M	2020	An approach based on Landsat images for shoreline monitoring to support integrated coastal management a case study ezbet Elborg Nile delta Egypt	Integrated Coastal Management; Nile Delta; GIS; Landsat Images; Supported Vector Machines; Accuracy Assessment; Seawall	11	ISPRS International Journal of Geo-Information	10.3390/ijgi9040199
1587	Nazeer M; Waqas M; Shahzad M; Zia I; Wu W	2020	Coastline vulnerability assessment through Landsat and CUBESATS in a coastal mega city	Shoreline Change; Landsat; Planet Scope; Coastline; Morphological Changes	10	Remote Sensing	10.3390/rs12050749
1606	Islam M; Rahman M; Kabir M; Islam M; Chowdhury R	2020	Predictive assessment on landscape and coastal erosion of Bangladesh using geospatial techniques	LULC; Sub-District; Accretion-Erosion; Mangrove Forest; Conversion	4	Remote Sensing Applications-Society and Environment	10.1016/j.rsase.2019.100277
1608	Sabuncu A	2020	Monitoring shoreline change of Acigol and Burdur lake in Turkey over 44 years using remote sensing and GIS approaches	Burdur Lake; Acigol Lake; SVM Classification; OBIA Classification; NDWI; MNDWI	1	Fresenius Environmental Bulletin	NA
1619	Niang A	2020	Monitoring longterm shoreline changes along Yanbu kingdom of Saudi Arabia using remote sensing and GIS techniques	Shoreline Change; DSAS; GIS; Yanbu; Saudi Arabia	3	Journal of Taibah University For Science	10.1080/16583655.2020.1773623

1628	Selvan S; Kankara R; Prabhu K; Rajan B	2020	Shoreline change along Kerala southwest coast of India using geospatial techniques and field measurement	Shoreline Change; Erosion; WLR Method; Satellite Data and Sediment Sub-Cell	9	Natural Hazards	10.1007/s11069-019-03790-2
1629	Barrantes-Castillo G; Arozarena-Llopis I; Sandoval-Murillo L; Valverde-Calderon J	2020	Critical beaches due to coastal erosion in the caribbean south of costa Rica during the period 2005-2016	Coastal Erosion; Costa Rican Caribbean; Coastal Dynamics; Limon Province; Erosion of Beaches	1	Revista Geografica De America Central	10.15359/rgac.64-1.4
1631	Kelly J; Gontz A	2020	Rapid assessment of shoreline changes induced by tropical cyclone OMA using CUBESAT imagery in southeast Queensland, Australia	Planetscope; Satellite Remote Sensing; Coastal Morphodynamics; Fraser Island; Erosion; Progradation	5	Journal of Coastal Research	10.2112/JCOASTRES-D-19-00055.1
34	Bishop-Taylor R; Nanson R; Sagar S; Lymburner L	2021	Mapping Australia's dynamic coastline at mean sea level using three decades of Landsat imagery	Coastal Change; Coastal Erosion; Coastal Monitoring; Coastline Extraction; Cube; Landsat; Open Data; Satellite-Derived Shorelines; Sub-Pixel Waterline Extraction; Tidal Modelling; Time-Series Analysis	4	Remote Sensing of Environment	10.1016/j.rse.2021.112734
35	Beselly S; Sajali M	2021	Citizen-Science with off-the-shelf UAV for coastal monitoring	Citizen Science; Coastal Monitoring; UAV	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/930/1/012001
36	Macleod R; Dallimore S	2021	Assessment of storm surge history as recorded by driftwood in the Mackenzie delta and Tuktoyaktuk coastlands Arctic Canada	Arctic Driftwood; Arctic Storms; Coastal Erosion; Coastal Hazards; Storm Surge; Structure from Motion; Unoccupied Aerial Vehicle	0	Frontiers In Earth Science	10.3389/feart.2021.698660

37	Bezzi A; Casagrande G; Fracaros S; Martinucci D; Pillon S; Sponza S; Bratus A; Fattor F; Fontolan G	2021	Geomorphological changes of a migrating sandbank multi-decadal analysis as a tool for managing conflicts in coastal use	Backbarrier; Barrier; Coastal Zone Management; Historical Evolution; Migration; Sandbank; Shoreline Analysis	1	Water (Switzerland)	10.3390/w13233416
38	Bagot P; Huybrechts N; Sergent P	2021	Satellite-derived topography and morphological evolution around Authie macrotidal estuary (France)	Coastal Monitoring; Morphological Changes; Remote Sensing; Sandspit; Satellite Derived Topography; Waterline Method	0	Journal of Marine Science and Engineering	10.3390/jmse9121354
39	Li C; Zhu L; Dai Z; Wu Z	2021	Study on spatiotemporal evolution of the Yellow river delta coastline from 1976 to 2020	Coastline Changes; Diaokou; Qingshuigou; Spatial and Temporal Evolution; Yellow River Delta	0	Remote Sensing	10.3390/rs13234789
40	Sundar V; Sannasiraj S; Ramesh B S; Rajakan G	2021	Shoreline changes due to construction of groyne field in north of Chennai port India	DSAS; Groyne Field; Shoreline Change; Statistical Measure	0	Environmental Monitoring and Assessment	10.1007/s10661-021-09590-1
41	Zhang Y; Li D; Fan C; Xu H; Hou X	2021	Southeast Asia island coastline changes and driving forces from 1990 to 2015	Climate Change; Coastline Change; Human Activity; Island; Sea Level Rise; South East Asia	0	Ocean and Coastal Management	10.1016/j.ocecoaman.2021.105967
42	Rajakumari S; Meenambikai M; Divya V; Sarunjith K; Ramesh R	2021	Morphological changes in alluvial and coastal plains of kandaleru river andhra pradesh using RS and GIS	Alluvial Plain; Anthropogenic Conversions; Coastal Plain; DSAS; Impacts; MLC; Morphological Stress; Spatial Analyst	0	Egyptian Journal of Remote Sensing and Space Science	10.1016/j.ejrs.2021.10.008
43	Kumar D S; Sajan B; Ojha C; Soren S	2021	Shoreline change behavior study of Jambudwip island of Indian Sundarban using DSAS model	DSAS; Jambudwip; NDVI; Remote Sensing; Shoreline Change	2	Egyptian Journal of Remote Sensing and Space Science	10.1016/j.ejrs.2021.09.004

44	Stancheva M; Stanchev H; Young R; Parlichev G	2021	Coastal erosion driven landsea interactions in maritime spatial planning: A case of Bulgaria	Beach Changes; Cliff Retreat; DSAS; Maritime Spatial Planning; Nature-Based Solutions	0	Journal of Coastal Conservation	10.1007/s11852-021-00841-4
45	Mondal B; Saha A; Roy A	2021	Shoreline extraction and change estimation using geospatial techniques: A study of coastal west Bengal India	Azimuth Erosion; Coastal West Bengal; Digital Shoreline Analysis System (DSAS); Shoreline; Tasseled-Cap Transformation	0	Proceedings of The Indian National Science Academy	10.1007/s43538-021-00059-w
46	Mishra M; Santos C; Da S R; Rana N; Kar D; Parida N	2021	Monitoring vegetation loss and shoreline change due to tropical cyclone Fani using Landsat imageries in Balukhandkonark wildlife Sanctuary India	Coastal Zone; DSAS; Environmental Monitoring; Geospatial Analysis; Land Use Change; SAVI	0	Journal of Coastal Conservation	10.1007/s11852-021-00840-5
47	Shanmuga P S; Jena B	2021	Suspended sediments concentration on shoreline change using satellite images for southern Kerala coast	Sentinel Images; Shoreline Change Analysis; Suspended Sediment Concentration	0	Journal of Earth System Science	10.1007/s12040-021-01710-2
48	Kar P; Mohanty P; Pradhan S; Behera B; Padhi S; Mishra P	2021	Shoreline change along Odisha coast using statistical and geospatial techniques	Accretion; DSAS; Erosion; Odisha Coast; Shoreline Change	0	Journal of Earth System Science	10.1007/s12040-021-01703-1
49	Troy C; Cheng Y; Lin Y; Habib A	2021	Rapid lake Michigan shoreline changes revealed by UAV Lidar surveys	Beaches; Lake Michigan; LIDAR; Shoreline Erosion; Unmanned Aerial Vehicle	1	Coastal Engineering	10.1016/j.coastaleng.2021.104008
50	Badawy M	2021	Recent landscape changes at Damietta Promontory Nile delta Egypt	Damietta Promontory; Geohazard; Nile Delta; SCAP Model	0	Egyptian Journal of Remote Sensing and Space Science	10.1016/j.ejrs.2021.07.002

51	Gharib J; Smith A; Houser C	2021	Barrier beaches and breaches historical changes on the point Pelee foreland	Breach; Coastal Barrier; Erosion; Geomorphology; Great Lakes; Human Impacts	0	Journal of Great Lakes Research	10.1016/j.jglr.2021.06.011
52	Goumrassa A; Zerrouki C; Hemdane Y; Bouhmadouche M; Guendouz M; Guettouche M	2021	GIS to identify exposed shoreline sectors to wave impacts: Case of El Tarf coast	Coastal Erosion; Coastal Modeling; Erosion Mapping; Exposure; GIS; Shoreline; Significant Wave Heights; Swan Model; Wave Direction	0	Applied Geomatics	10.1007/s12518-021-00380-5
53	Pucino N; Kennedy D; Carvalho R; Allan B; Ierodiconou D	2021	Citizen science for monitoring seasonal-scale beach erosion and behaviour with aerial drones	NA	5	Scientific Reports	10.1038/s41598-021-83477-6
54	Abou S R; Ali R	2021	Applying DSAS tool to detect coastal changes along Nile delta, Egypt	Change Detection; Coastal Areas; DSAS; GIS; Nile Delta	5	Egyptian Journal of Remote Sensing and Space Science	10.1016/j.ejrs.2020.11.002
55	Carvalho R; Kennedy D; Young M; Leach C; Ierodiconou D	2021	Relevance of historical nautical charts in sediment dynamic assessments on a high energy temperate shelf	Bathymetric Change; Coastal Management; Multibeam Echo-sounding Bathymetry; NearShore Change; Shoreline Analysis; Volumetric Difference	0	Continental Shelf Research	10.1016/j.csr.2021.104555
56	Nativí-Merchán S; Caiza-Quinga R; Saltos-Andrade I; Martillo-Bustamante C; Andrade-García G; Quiñonez M; Cervantes E; Cedeño J	2021	Coastal erosion assessment using remote sensing and computational numerical model: Case of study Libertador Bolivar, Ecuador	Coastal Erosion; Ecuadorian Shoreline-Change; Integrated Coastal Management; LITPACK; Mike 21SW; Remote Sensing	0	Ocean and Coastal Management	10.1016/j.ocecoaman.2021.105894

57	Tu N; Stéphane G; Le P; Xuan N; Doi N	2021	Rapid detection of changes in the riverbanks of laigiang river of the south central coast Vietnam a methodology based on digital shoreline analysis system and Sentinel-2	Digital Shoreline Analysis System (DSAS); Fluvial Remote Sensing; Laigiang River; Sentinel-2; Transitional Waterbody; Vietnam	0	Disaster Advances	10.25303/1411da1324
58	Darweesh K; Hellal A; Saber S; El-Kafrawy S; Abdelsalam A; El-Naggar H	2021	Three decades of remote sensing habitat mapping along the Egyptian coast of Aqaba Gulf Red sea	Change Detection; Dahab; Egypt; Habitat Mapping; Nuweiba'a; Overfishing; Red Sea; Remote Sensing; Tourism	0	Egyptian Journal of Aquatic Biology and Fisheries	10.21608/ejabf.2021.214042
59	Adhikari M; Maiti S; Bera A; Chaudhury N	2021	Posttsunami adjustment of coral reef platform and other morphometric changes in landfall island north Andamanan integrated field and remote sensing-based approach	Coral Reef; Field Observation; Morphometric Changes; Post-Seismic Adjustment; Reef Upliftment; Shoreline Change Rate	0	Regional Studies In Marine Science	10.1016/j.rsma.2021.101975
60	Durai P; Sarunjith K; Bhaskar A	2021	Demarcation of coastal dune morphology and dune patterns using geospatial models: A case study from Manapad coastal stretch Tamil Nadu south India	NA	0	Journal of The Geological Society of India	10.1007/s12594-021-1880-2
61	Latella M; Luijendijk A; Moreno-Rodenas A; Camporeale C	2021	Satellite image processing for the coarsescale investigation of sandy coastal areas	Beach Monitoring; Coastal Vegetation; Geomorphology; Google Earth Engine; Satellite Images; Shoreline Detection	0	Remote Sensing	10.3390/rs13224613
62	Mahmoud A; Hussain E; Novellino A; Psimoulis P; Marsh S	2021	Monitoring the dynamics of form by sand dunes using airborne Lidar DTMs	Airborne LIDAR; Coastal Dune Monitoring; DTM Analysis; Dune Volumetric Analysis	0	Remote Sensing	10.3390/rs13224665

63	Aryal B; Escarzaga S; Vargas Z S; Velez-Reyes M; Fuentes O; Tweedie C	2021	Semiautomated semantic segmentation of Arctic shorelines using very high-resolution airborne imagery spectral indices and weakly supervised machine learning approaches	Deep Learning; Land Water Segmentation; Remote Sensing; Sparse Labels	0	Remote Sensing	10.3390/rs13224572
64	Rodríguez S; Valdecantos V; Diez J; Campo J; Antón M	2021	Comparing the effects of erosion and accretion along the coast of Cartagena de India's, Colombia	Accretion; Aerial Photography; Coastline; Colonial Cartography; Colonial Maritime Works; Erosion; Littoral	0	Journal of Coastal Research	10.2112/JCOASTRES-D-20-00129.1
65	Teixeira S; Bandeira I; Dantas M	2021	Shoreline variation and identification of local erosion geoindicators on the Brazilian Amazon coast	Amazon; Coastal Geomorphology; GeoindicatorS; Morphologic Units; Remote Sensing	0	Journal of Coastal Research	10.2112/JCOASTRES-D-20-00164.1
66	Mao Y; Harris D; Xie Z; Phinn S	2021	Efficient measurement of largescale decadal shoreline change with increased accuracy in tide-dominated coastal environments with Google Earth Engine	Global Shoreline Monitoring; Google Earth Engine; Landsat; Remote Sensing Big Data; Shoreline Mapping	1	ISPRS Journal of Photogrammetry and Remote Sensing	10.1016/j.isprsjprs.2021.09.021
67	Gibbs A; Erikson L; Jones B; Richmond B; Engelstad A	2021	Seven decades of coastal change at barter island Alaska exploring the importance of waves and temperature on erosion of coastal permafrost bluffs	ANWR; Arctic; Coastal Dynamics; Era5 Reanalysis; Permafrost Bluff Retreat; Shoreline Change	0	Remote Sensing	10.3390/rs13214420
68	Bristow C; Buck L; Ingrid M	2021	Four-dimensional investigation of gravel beach ridge accretion and 50 years of beach recharge at Dungeness, UK, using historic images GPR and Lidar (HIGL)	Beach Nourishment; Beach Recharge; Ground-Penetrating Radar; LIDAR; Sediment Budget; Shingle	0	Applied Sciences (Switzerland)	10.3390/app112110219
69	Yermolaev O; Usmanov B; Gafurov A; Poesen J; Vedeneeva E; Lisetskii F; Nicu I	2021	Assessment of shoreline transformation rates and landslide monitoring on the bank of kuibyshev reservoir Russia using multisource data	Aerial and Satellite Images; Bank Erosion; Historical Maps; Landslide; TLS; UAV; Volga	1	Remote Sensing	10.3390/rs13214214

70	Lawson S; Tanaka H; Udo K; Hiep N; Tinh N	2021	Morphodynamics and evolution of estuarine sandspits along the Bight of Benin coast West Africa	Bight of Benin; Coastal Erosion; Estuarine Systems; Longshore Sediment Transport; Morphodynamics; Morphological Evolution; River Mouth; Sandspit; Satellite Image Analysis; Tidal Inlet	0	Water (Switzerland)	10.3390/w13212977
71	Barik G; Guru B; Sangma F	2021	Shoreline changes analysis and forecast using digital shoreline assessment system 50 evidences from parts of east coast of India	DSAS; GIS; India; Remote Sensing; Sea-Level Rise; Shoreline Change	0	Journal of The Indian Society of Remote Sensing	10.1007/s12524-021-01424-4
72	Mageswaran T; Sachithanandam V; Sridhar R; Mahapatra M; Purvaja R; Ramesh R	2021	Impact of sea level rise and shoreline changes in the tropical island ecosystem of Andaman and Nicobar region India	Andaman and Nicobar Islands; GIS; Remote Sensing; Sea Level Rise; Shoreline Changes	0	Natural Hazards	10.1007/s11069-021-04895-3
73	Nath A; Koley B; Saraswati S; Ray B	2021	Identification of the coastal hazard zone between the areas of Rasulpur and Subarnarekha estuary east coast of India using multi-criteria evaluation method	Coastal Hazard; Multi-Criteria Evaluation; Vulnerability; Weighted Overlay	1	Modeling Earth Systems and Environment	10.1007/s40808-020-00986-5
74	Adi P S I; Yanuarita S D; Fajriyati I D; Bin A O S; Rukminasari N; Umar M	2021	The Sangkarak river watersheds morphometric changes of Maros-Pangkajene Regency	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/860/1/012083
75	Brempong E; Angnuureng D; Appeaning A K; Jayson-Quashigah P	2021	Short-term seasonal changes of the Dzita beach of Ghana using geographic information system and photogrammetry	Remote Sensing; Sediment	0	Interpretation	10.1190/INT-2021-0027.1
76	Quang D; Ngan V; Tam H; Viet N; Tinh N; Tanaka H	2021	Longterm shoreline evolution using DSAS technique: A case study of Quang Nam province Vietnam	Coastline Change; Digital Shoreline Analysis System; Quang Nam Province; Satellite Images	1	Journal of Marine Science and Engineering	10.3390/jmse9101124

77	Domazetović F; Šiljeg A; Marić I; Faričić J; Vassilakis E; Panda L	2021	Automated coastline extraction using the very high resolution WorldView WV satellite imagery and developed coastline extraction tool CET	Coastline Extraction Tool (CET); Multi-spectral Data; Thermal Imagery; Worldview	1	Applied Sciences (Switzerland)	10.3390/app11209482
78	Yun K; Lee C; He G; Park B	2021	Monitoring of shoreline change at Chollipo beach in South Korea	Digital Surface Model; Sedimentation; Shorelines; Unmanned Aerial Vehicle	0	Journal of Coastal Research	10.2112/JCR-SI114-095.1
79	Abdurrahman U; Diastomo H; Avrionesti A; Surya M; Badriana M; Suprijo T; Park H	2021	Comprehensive analysis of coastal dynamics in Cirebon coastal area CCA Indonesia	Google Earth; Landsat; Remote Sensing; Shoreline Changes	0	Journal of Coastal Research	10.2112/JCR-SI114-090.1
80	Park J; Jung K	2021	Utilization of an Unmanned Aerial Vehicle and echosounder for shoreline surveying	DSM; Echo-Sounder; Ortho Image; Shoreline; UAV	0	Journal of Coastal Research	10.2112/JCR-SI114-083.1
81	Lee H; Kim J; Chang S; Kim I	2021	Analysis of beach changes after construction of submerged breakwaters	Aerial Photography; Beach Width; Shoreline Change; Submerged BreakwaterRS	0	Journal of Coastal Research	10.2112/JCR-SI114-061.1
82	Han D; Lee C	2021	Mapping of coastal zones using Unmanned Aerial Vehicle UAV video sequences	Coast; Earthquake; Mapping; Unmanned Aerial Vehicles; Video	0	Journal of Coastal Research	10.2112/JCR-SI114-081.1
83	Ding Y; Yang X; Jin H; Wang Z; Liu Y; Liu B; Zhang J; Liu X; Gao K; Meng D	2021	Monitoring coastline changes of the Malay islands based on Google Earth Engine and dense timeseries remote sensing images	Dense Time-Series Images; Edge Probability Feature; Google Earth Engine; Malay Islands; Reclamation; Spatial-Temporal Dynamic Coastline Monitoring	1	Remote Sensing	10.3390/rs13193842
84	Zhang X; Xie R; Fan D; Yang Z; Wang H; Wu C; Yao Y	2021	Sustained growth of the largest uninhabited alluvial island in the changjiang estuary under the drastic reduction of river discharged sediment	Changjiang Estuary; Delta Evolution; Jiuduansha Island; Sandbar and Sand Island; Satellite Image	0	Science China Earth Sciences	10.1007/s11430-020-9746-3

85	Lopes C; Mendes R; Caçador I; Dias J	2021	Assessing salt marsh loss and degradation by combining long-term Landsat imagery and numerical modelling	MaRSh Drowning; MaRSh Shoreline Erosion; Ria De Aveiro; Salt MaRSh Management; Tidal Dynamics	1	Land Degradation and Development	10.1002/ldr.4050
86	Ghosh S; Mistri B	2021	Delineating the influence of erosion and accretion to identify the vulnerable zone of embankment breaching in Gosaba island south 24 Parganas west Bengal, India	Coastal Zone Management; Embankment Breaching; Gosaba Island; Shoreline Change Rate; Spatial Vulnerability	0	Journal of The Indian Society of Remote Sensing	10.1007/s12524-021-01409-3
87	Bamdadinejad M; Ketabdari M; Chavooshi S	2021	Shoreline extraction using image processing of satellite imageries	Confusion Matrix; Landsat Images; Maximum Likelihood Classification; Shoreline Extraction; SVM Classification	3	Journal of The Indian Society of Remote Sensing	10.1007/s12524-021-01398-3
88	Karimi M; Mohammad V S J; Mazaheri M	2021	Shoreline spatial and temporal response to natural and human effects in Boujagh national park Iran	Boujagh National Park; Mike21; Remote Sensing; Shoreline Dynamics; Wave and Current	0	International Journal of Sediment Research	10.1016/j.ijsrc.2021.02.004
89	Sajinkumar K; Bincy H; Bouali E; Oommen T; Vishnu C; Anilkumar Y; Thrivikramji K; Keerthy S	2021	Picturing beach erosion and deposition trends using PSInSAR: an example from the non-barred southern west coast of India	Beach Processes; Erosion and Deposition; PSInSAR; Southern West Coast of India	2	Wetlands Ecology and Management	10.1007/s11273-020-09706-3
90	Sengupta M; Ford M; Kench P	2021	Multidecadal planform changes on coral reef islands from Atolls and mid-ocean reef platforms of the equatorial Pacific ocean Gilbert islands Republic of Kiribati	Atolls; Coral Reef Islands; Pacific Ocean; Shoreline Change	1	Geomorphology	10.1016/j.geomorph.2021.107831
91	Swirad Z; Young A	2021	Automating coastal cliff erosion measurements from large-area Lidar datasets in California, USA	Coastal Cliffs; Landslides; Machine Learning; Topographic Change Detection	0	Geomorphology	10.1016/j.geomorph.2021.107799

92	Song Y; Shen Y; Xie R; Li J	2021	A DSAS-based study of central shoreline change in Jiangsu over 45 years	Digital Shoreline Analysis System; GIS; Jiangsu Province; Shoreline Changes	0	Anthropocene Coasts	10.1139/anc-2020-0001
93	Vieira L; Vieira J; Da S I; Barbieri E; Morgado F	2021	GIS models for vulnerability of coastal erosion assessment in a tropical protected area	Coastal Erosion; Coastal Vulnerability Index; Geographical Information Systems; Mangroves; Remote Sensing	0	ISPRS International Journal of Geo-Information	10.3390/ijgi10090598
94	Xia J; Luan G; Zhao F; Peng Z; Song L; Tan S; Zhao Z	2021	Exploring the spatial-temporal analysis of coastline changes using place name information on Hainan island, China	Coastline Changes; Hainan Island; Place Names; Remote Sensing; Simulated Coastline	1	ISPRS International Journal of Geo-Information	10.3390/ijgi10090609
95	Zhang M; Chen F; Zhao H; Wang J; Wang N	2021	Recent changes of glacial lakes in the high mountain Asia and its potential controlling factors analysis	Controlling Factors; Digital Disaster Reduction; Glacial Lake; Glacier; High Mountain Asia (HMA); Shoreline Expansion	0	Remote Sensing	10.3390/rs13183757
96	Adebisi N; Balogun A; Mahdianpari M; Min T	2021	Assessing the impacts of rising sea level on coastal morphodynamics with automated high-frequency shoreline mapping using multi-sensor optical satellites	Gee; Optical Imaging Satellites; Sea-Level Rise; Subpixel Shoreline Detection	1	Remote Sensing	10.3390/rs13183587
97	Anwar M; Rahman K	2021	The spatiotemporal shore morphological changes at east Bhola island in Meghna estuary of Bangladesh's central coast	Bhola; Erosion; GBM; Meghna Estuary; Shoreline	0	Regional Studies In Marine Science	10.1016/j.rsma.2021.101937
98	Godwyn-Paulson P; Jonathan M; Roy P; Rodríguez-Espinosa P; MuthUSAnkar G; Muñoz-Sevilla N; Lakshumanan C	2021	Evolution of southern Mexican Pacific coastline responses to meteoceanographic and physiographic conditions	Future Prediction; Landsat Imagery; Meteo-Oceanographic Impact; Mexico; Oaxaca Coast; Short/Long-Term Rate	0	Regional Studies In Marine Science	10.1016/j.rsma.2021.101914

99	Natarajan L; Sivagnanam N; Usha T; Chokkalingam L; Sundar S; Gowrappan M; Roy P	2021	Shoreline changes over last five decades and predictions for 2030 and 2040 a case study from Cuddalore southeast coast of India	DSAS 5.0; Erosion and Accretion; Kalman Filter Model; Multitemporal; Prediction	3	Earth Science Informatics	10.1007/s12145-021-00668-5
100	Remmache K; Bachari N; Ayache M; Khenfer K; Houma F	2021	Combination of multisource data and multiapplication models to develop a methodology as a qualitative study for beaches with very high spatial resolution	Beaches; GIS; Granulometry; Hydrodynamics; Mineralogy; Shoreline	0	Earth Systems and Environment	10.1007/s41748-021-00239-0
101	Al R A; Boluwade A	2021	Quantifying coastal shoreline erosion due to climatic extremes using remote sensed estimates from Sentinel-2a data	Cyclone; Digital Shoreline Analysis System; Sentinel Data; Shoreline Change Envelops Coastal Erosion; Sustainable Coastal Planning and Development	2	Environmental Processes	10.1007/s40710-021-00522-2
102	Patel K; Jain R; Patel A; Kalubarme M	2021	Shoreline change monitoring for coastal zone management using multitemporal Landsat data in mahi river estuary Gujarat state	End Point Rate (EPR); Land Erosion; Multi-Date Landsat Digital Data; NDWI; Shoreline Change; Transects	3	Applied Geomatics	10.1007/s12518-021-00353-8
103	Bushra N; Mostafiz R; Rohli R; Friedland C; Rahim M	2021	Technical and social approaches to study shoreline change of kuakata Bangladesh	Bangladesh; Coastal Erosion and Accretion; GIS; Kuakata; Landsat Tm; Participatory Rural Appraisal; Remote Sensing; Shoreline Change	1	Frontiers In Marine Science	10.3389/fmars.2021.730984
104	Adnan N; Rahim H; Mohd F; Maulud K	2021	Beach profile assessment and erosion rate estimation of monsoonal coastline area in Pahang Malaysia	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/799/1/012005

105	Pratama D; Khakhim N; Wicaksono A; Musthofa A; Lazuardi W	2021	Spatiotemporal analysis of abra- sion susceptibility effect on land cover in the coastal area of Ban- tul Regency Yogyakarta, Indone- sia	NA	0	International Jour- nal of Geoinfor- matics	10.52939/ijg.v17i4.1961
106	Ngowo R; Ribeiro M; Pereira M	2021	Quantifying 28year 19912019 shoreline change trends along the Mnazi Bay Ruvuma estuary marine park, Tanzania	Coastal Monitoring; DSAS; GIS; MBREMP; Remote Sensing	0	Remote Sensing Applications: Soci- ety and Environ- ment	10.1016/j.rsase.2021.100607
107	Bagaria P; Mitra D; Nandy S; Sivakumar K	2021	Shifting shoreline of the estua- rine landscape in the east Goda- vari district of andhra Pradesh, India	Coastal; DSAS; Erosion; Estuarine; Shoreline	0	Environmental Earth Sciences	10.1007/s12665-021-09790-5
108	Skilodimou H; Antoniou V; Bathrellos G; Tsami E	2021	Mapping of coastline changes in Athens riviera over the past 76 years measurements	Artificial Coast; Cen- tral Greece; GIS; Remote Sensing; Spatial and Temporal Coastline Changes	1	Water (Switzer- land)	10.3390/w13152135
109	Smith K; Terrano J; Pitch- ford J; Archer M	2021	Coastal wetland shoreline change monitoring a comparison of shorelines from high-resolu- tion WorldView satellite im- agery aerial imagery and field surveys	Accretion; Coastal; Erosion; Estuary; Satellite Imagery; Shoreline Change; Wetlands	0	Remote Sensing	10.3390/rs13153030
110	Mishra M; Acharyya T; Kar D	2021	Vulnerability of nesting ground of Olive Ridley Turtle to severe cyclonic storm Fani: A case study from Rushikulya Rookery east coast of India	Beach Fidelity; Cy- clone; Digital Shore- line Analysis System; Olive Ridley Turtle	4	Journal of Coastal Conservation	10.1007/s11852-021-00827-2
111	Zhang X; Tan X; Hu R; Zhu L; Wu C; Yang Z	2021	Using a transect-focused ap- proach to interpret satellite im- ages and analyze shoreline evo- lution in Haiyang beach China	Beach Profile Shape; Beach Transect; Coastal Engineering; Satellite Image; Shoreline Evolution; Shoreline Indicator	0	Marine Geology	10.1016/j.margeo.2021.106526

112	Carvalho R; Allan B; Kennedy D; Leach C; O'Brien S; Ierodiconou D	2021	Quantifying decadal volumetric changes along sandy beaches using improved historical aerial photographic models and contemporary data	Archival Aerial Photography; Historical Volumetric Change; Sandy Beaches; SFM-MVS; Shoreline Change Proxy; Surficial Sediments	1	Earth Surface Processes and Landforms	10.1002/esp.5130
113	Daud S; Milow P; Zakaria R	2021	Analysis of shoreline change trends and adaptation of Selangor coastline using Landsat satellite data	Accretion; Adaptive Capacity; Erosion; Selangor; Shoreline Change	1	Journal of The Indian Society of Remote Sensing	10.1007/s12524-020-01218-0
114	Shenbagaraj N; Senthil K; Rasheed A; Leostalin J; Kumar M	2021	Mapping and electronic publishing of shoreline changes using UAV remote sensing and GIS	Coastal Zone Management (CZM) and Leaflet; Digital Shoreline Analysis System (DSAS); End Point Rate (EPR); Shoreline; Shoreline Change; Unmanned Aerial Vehicle (UAV)	1	Journal of The Indian Society of Remote Sensing	10.1007/s12524-020-01287-1
115	Elkafrawy S; Basheer M; Mohamed H; Naguib D	2021	Applications of remote sensing and GIS techniques to evaluate the effectiveness of coastal structures along Burullus headland eastern Nile delta, Egypt	Burullus Headland; DSAS; EPR; Protection Structure; Shoreline Changes; Shoreline Prediction	5	Egyptian Journal of Remote Sensing and Space Science	10.1016/j.ejrs.2020.01.002
116	Paravath K; Parth J; Nasar T	2021	Geomorphologic impact of construction of breakwaters at Pon-nani fishery harbour in Kerala	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/809/1/012016
117	Arum Y	2021	Analysis of shoreline changes using the bilko method on Landsat imagery in Karawang regency 1999-2019	NA	0	Journal of Physics: Conference Series	10.1088/1742-6596/1943/1/012009

118	Kaiser S; Grosse G; Boike J; Langer M	2021	Monitoring the transformation of Arctic landscapes automated shoreline change detection of lakes using very high resolution imagery	Arctic Water Bodies; Automated Monitoring; Change Detection; North Slope; Permafrost Lowlands; Shoreline Movement Direction; Shoreline Movement Rate; Very High Resolution Imagery	0	Remote Sensing	10.3390/rs13142802
119	Cabezas-Rabadán C; Pardo-Pascual J; Palomar-Vázquez J	2021	Characterizing the relationship between the sediment grain size and the shoreline variability defined from Sentinel-2 derived shorelines	Beach Morphology; Coastal Changes; Remote Sensing; Satellite Derived Shorelines; Sediment Grain Size	0	Remote Sensing	10.3390/rs13142829
120	Cohen M; De S A; Liu K; Rodrigues E; Yao Q; Pessenda L; Rossetti D; Ryu J; Dietz M	2021	Effects of beach nourishment project on coastal geomorphology and mangrove dynamics in southern Louisiana, USA	Avicennia; Delta; Drone; Satellite Images; Sea-Level Rise; Shoreline Change	3	Remote Sensing	10.3390/rs13142688
121	Daoudi M; Niang A	2021	Detection of shoreline changes along the coast of Jeddah and its impact on the geomorphological system using GIS techniques and remote sensing data 1951-2018	Accretion; DSAS; Erosion EPR; GIS; Jeddah; LRR; Remote Sensing; Saudi Arabia; Shoreline Change	1	Arabian Journal of Geosciences	10.1007/s12517-021-07605-2
122	Sohel M; Hore S; Salam M; Hoque M; Ahmed N; Rahman M; Khan H; Rahman S	2021	Analysis of erosion-accretion dynamics of major rivers of worlds largest mangrove forest using geospatial techniques	Accretion; Erosion; Mangrove Forest; Remote Sensing; Sundarbans	1	Regional Studies In Marine Science	10.1016/j.rsma.2021.101901
123	Dewidar K; Bayoumi S	2021	Forecasting shoreline changes along the Egyptian Nile delta coast using Landsat image series and geographic information system	DSAS Program; Forecast; GIS; Landsat Series; Nile Delta; Shoreline Change	1	Environmental Monitoring and Assessment	10.1007/s10661-021-09192-x

124	Wu M; Duvat V; Purkis S	2021	Multidecadal Atoll island dynamics in the Indian ocean Chagos Archipelago	Atoll Islands; Chagos Archipelago; Coastline Change; Hydrodynamic Modelling; Sea-Level Rise	1	Global and Planetary Change	10.1016/j.gloplacha.2021.103519
125	Bengoufa S; Niculescu S; Mihoubi M; Belkessa R; Abbad K	2021	Rocky shoreline extraction using a deep learning model and object-based image analysis	Convolutional Neural Network (CNN); Marine Lichen; Object-Based Image Analysis (OBIA); Shoreline Detection	0	International Archives of The Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives	10.5194/isprs-archives-XLIII-B3-2021-23-2021
126	Castelle B; Masselink G; Scott T; Stokes C; Konstantinou A; Marieu V; Bujan S	2021	Satellitederived shoreline detection at a high-energy mesomacrotidal beach	Long-Term Trend; Satellite; Shoreline Change; Wave Runup	10	Geomorphology	10.1016/j.geomorph.2021.107707
127	Tajima Y; Wu L; Watanabe K	2021	Development of a shoreline detection method using an Artificial Neural Network based on satellite SAR imagery	Artificial Neural Network; SAR; Satellite; Shoreline Detection	0	Remote Sensing	10.3390/rs13122254
128	Yang C; Gan H; Wan R; Zhang Y	2021	Spatiotemporal evolution and influencing factors of coastline in the Guangdonghong Kongmacao Greater Bay area from 1975 to 2018	Geological Survey Engineering; GIS; Guangdong; Hong Kong; Macao; RS; Shoreline Change	0	Geology In China	10.12029/gc20210302
129	Caspell M; Vasseur L	2021	Evaluating and visualizing drivers of coastline change: A lake Ontario case study	Aerial Photography; Climate Change; Coastal Vulnerability; Coastline Change; Erosion	0	ISPRS International Journal of Geo-Information	10.3390/ijgi10060375
130	Spinosa A; Ziemba A; Saponieri A; Damiani L; El S G	2021	Remote sensing-based automatic detection of shoreline position: A case study in Apulia region	Coastal Monitoring; Copernicus; Remote Sensing; SAR; Shoreline Detection	2	Journal of Marine Science and Engineering	10.3390/jmse9060575

131	Capolupo A; Monterisi C; Saponieri A; Addona F; Damiani L; Archetti R; Tarantino E	2021	An interactive webGIS framework for coastal erosion risk management	3d Visualization Mode; Coastal Risk Assessment; Iot; Remote Sensing; Web mapping	0	Journal of Marine Science and Engineering	10.3390/jmse9060567
132	Franklin G; Medellín G; Appendini C; Gómez J; Torres-Freyermuth A; López G J; Ruiz-Salcines P	2021	Impact of port development on the northern Yucatan peninsula coastline	Beach Erosion; Beach Surveys; GPS Surveys; Port Impact; Satellite Imagery; Sea-Breezes; UAVs	3	Regional Studies In Marine Science	10.1016/j.rsma.2021.101835
133	Toorani M; Kakroodi A; Yamani M; Naderi B A	2021	Monitoring shoreline shift under rapid sealevel change on the Caspian sea observed over 60 years of satellite and aerial photo records	Caspian Sea; Landsat; Rapid Sea Level Change; Shoreline Shift	1	Journal of Great Lakes Research	10.1016/j.jglr.2021.02.006
134	Nourdi N; Raphael O; Grégoire A; Jean P R; Sakaros B; Thomas S; Minette T	2021	Seasonal to decadal scale shoreline changes along the Cameroonian coastline Bay of bonny 1986 to 2020	Bay of Bonny; Coastline; Ecosystems; Optic; Wave Climate	1	Regional Studies In Marine Science	10.1016/j.rsma.2021.101798
135	Abualtayef M; Rabou M; Afifi S; Rabou A; Seif A; Masria A	2021	Change detection of Gaza coastal zone using GIS and remote sensing techniques	Bathymetry Extraction; Coastal Zone; Erosion; GIS; Land Use; Remote Sensing; Shoreline	0	Journal of Coastal Conservation	10.1007/s11852-021-00825-4
136	Almeida L; Efraim D O I; Lyra R; Scaranto D R; Martins V; Henrique D F K A	2021	Coastal analyst system from space imagery engine CASSIE shoreline management module	Coastal Management; Google Earth Engine; Remote Sensing; Shoreline Evolution	7	Environmental Modelling and Software	10.1016/j.envsoft.2021.105033
137	Masria A; Abualtayef M; Seif A	2021	Hydro-morphological simulation for blue beach Gaza strip Palestine	Beach Nourishment; Blue Beach; Coastal Zone; Delft3d; Gaza; Morphological Changes	0	Innovative Infrastructure Solutions	10.1007/s41062-021-00476-2
138	Matin N; Hasan G	2021	A quantitative analysis of shoreline changes along the coast of Bangladesh using remote sensing and GIS techniques	Bangladesh; Coastal Erosion-Accretion; GIS; Landsat Images; Shoreline Changes	5	Catena	10.1016/j.catena.2021.105185

139	Hu X; Wang Y; Jing W	2021	Assessment of precision and usability of a global multiscale coastline dataset using the Pearl river estuary as a test model	Canny; Coastline; Fractal Dimension; GSHHG; Pearl River Estuary	0	Tropical Geography	10.13284/j.cnki.rddl.003351
140	Mao Y; Yang D; Zeng A; Zhao X	2021	Research on the change of coastline on the south coast of Hangzhou Bay based on multitemporal remote sensing images	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/769/2/022024
141	Santos C; Nascimento T; Mishra M; Silva R	2021	Analysis of long and short-term shoreline change dynamics: A study case of João Pessoa city in Brazil	Coastal Accretion; Coastal Erosion; DSAS; Remote Sensing; Shoreline Changes	9	Science of The total Environment	10.1016/j.scitotenv.2020.144889
142	Görmüş T; Ayat B; Aydoğan B; Tătui F	2021	Basin scale spatiotemporal analysis of shoreline change in the Black sea	Black Sea; Coastal Erosion; Landsat; Shoreline Change	3	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2021.107247
143	Novikova A; Vergun A; Zelenin E; Baranskaya A; Ogorodov S	2021	Determining dynamics of the Kara sea coasts using remote sensing and UAV data: A case study	Arctic Coasts; Coastal Erosion.; Kara Sea; Remote Sensing; UAVs	0	Russian Journal of Earth Sciences	10.2205/2020ES000743
144	De J S; Shen Y; De V J; Bijnaar G; Van M B; Augustinus P; Verweij P	2021	Mapping mangrove dynamics and colonization patterns at the Suriname coast using historic satellite data and the Land-Trendr algorithm	Google Earth Engine; Historic Satellite Data; Landtrendr; Mangrove Colonization; Mangrove Patterns; Suriname	6	International Journal of Applied Earth Observation and Geoinformation	10.1016/j.jag.2020.102293
145	Dasilva M; Miot D S G; Hesp P; Bruce D; Keane R; Moore C	2021	Assessing shoreline change using historical aerial and RapidEye satellite imagery Cape Jaffa south Australia	Canal Estate; Coastal Erosion; Coastal Processes; Cuspate Forelands; DSAS; Marina; Salients	0	Journal of Coastal Research	10.2112/JCOASTRES-D-20-00089.1
146	Isaie M E; Allahdadi M; Ashrafi A; Chaichitehrani N	2021	Coastal system evolution along the southeastern Caspian sea coast using satellite image analysis response to the sea level fall during 1994-2015	Caspian Sea; Gorgan Bay; Landsat; Mi-ankaleh Spit; Sea Level Changes	0	Arabian Journal of Geosciences	10.1007/s12517-021-07106-2

147	Awad M; El-Sayed H	2021	The analysis of shoreline change dynamics and future predictions using automated spatial techniques: case of El-Omayed on the Mediterranean coast of Egypt	Automated Shoreline Extraction; Mediterranean Coast of Egypt; Shoreline Change Dynamics; Shoreline Prediction Models; Water Index	2	Ocean and Coastal Management	10.1016/j.ocecoaman.2021.105568
148	Davidson S; Hesp P; Miot D S G	2021	Rapid shoreline erosion and dunefield change Salmon Hole, South Australia	Coastal Erosion; DSAS; Dune Erosion; Historical Aerial Imagery; Shoreline Change	1	Science of The total Environment	10.1016/j.scitotenv.2021.145406
149	Wang X; Yan F; Su F	2021	Changes in coastline and coastal reclamation in the three most developed areas of China 1980-2018	Bohai Bay; Coastline; Ecological Risk Index; Pearl River Estuary; Yangtze River Estuary	11	Ocean and Coastal Management	10.1016/j.ocecoaman.2021.105542
150	Khomsin K; Pratomo D; Pramudya F	2021	Evaluation of shoreline change using multitemporal satellite images	NA	1	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/731/1/012006
151	Bengoufa S; Niculescu S; Mihoubi M; Belkessa R; Rami A; Rabehi W; Abbad K	2021	Machine learning and shoreline monitoring using optical satellite images: Case study of the mostaganem shoreline Algeria	Erosion; GPS Survey; Machine Learning; Pleiades Image; Remote Sensing; Shoreline Monitoring	1	Journal of Applied Remote Sensing	10.1117/1.JRS.15.026509
152	Ibarra-Marinas D; Belmonte-Serrato F; Ballesteros-Pelegrín G; García-Marín R	2021	Evolution of the beaches in the regional park of Salinas and Arenales of San Pedro del Pinatar southeast of Spain 1899-2019	Beach; Coastal Construction; Coastal Erosion; Posidoniaoceanica; Sediment Transport	1	ISPRS International Journal of Geo-Information	10.3390/ijgi10040200
153	Zi-Ru G; Gang W; Yu-Qin W; Hao C; Yu-Feng L; Hong-Yu L	2021	Impact of human activities on Yancheng coastline and coastal wetlands	Coastal Wetland; Coastline; Port Construction; Reclamation	0	Journal of Ecology and Rural Environment	10.19741/j.issn.1673-4831.2020.0318

154	Pratikto W; Fitriadhy A; Maulana M; Huda A; Putri D; Simatupang L; Wahyudi N; Laksono R; Dewi A	2021	The study of coastline changing and total suspended solid distribution based on the remote sensing data in Teluk Lamong multi-purpose port terminal	NA	1	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/698/1/012046
155	Sengupta M; Ford M; Kench P	2021	Shoreline changes in coral reef islands of the federated states of Micronesia since the mid-20th century	Climate Change; Pacific Atolls; Reef Islands; Shoreline Change	1	Geomorphology	10.1016/j.geomorph.2020.107584
156	Smith S; Barnard P	2021	The impacts of the 2015-2016 El Niño on California's sandy beaches	Coastal Hazards; El Niño; Shoreline Change; Wave Energy	3	Geomorphology	10.1016/j.geomorph.2020.107583
157	Safitri D; Bepalova L; Bioresita F; Nugroho R	2021	Land cover amendment in coastal areas of Surabaya due to coastline change based on multi-temporal satellite imagery	Analytic Hierarchy Process; City Branding; Participation; Tourism	0	Review of International Geographical Education online	10.48047/rigeo.11.05.154
158	De L; Fernández-Fernández S; Espinoza J; Albuquerque M; Bernardes C	2021	End point rate tool for QGIS EPR4Q validation using DSAS and AMBUR	Geographic Information System (GIS); Modeling; Open-Source Software; Shoreline Evolution	3	ISPRS International Journal of Geo-Information	10.3390/ijgi10030162
159	Kanwal S; Ding X; Sajjad M; Nazeer M; Zia I	2021	Remote sensing of narrowing barrier islands along the coast of Pakistan over past 30 years	Coastal Planning and Management; DSAS; Remote Sensing; Shoreline Change Analysis; Spatial Analysis	0	Journal of Marine Science and Engineering	10.3390/jmse9030295
160	Irham M; Suri R; Setiawan I; Fuadi A	2021	Spatial analysis of accretion abrasion and shoreline change in Banda Aceh coastal area	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/674/1/012046
161	Thakare L; Shitole T	2021	Vulnerability assessment of the Ratnagiri coast Maharashtra west coast of India	Coastal Inundation; Coastal Vulnerability Index (CVI); DSAS; Sea-Level Rise Shoreline Evolution	1	Journal of Coastal Research	10.2112/JCOASTRES-D-19-00190.1

162	Assogba B G; Maurice A D; Sintondji L; Agbossou E	2021	Analyses of short and longterm shoreline trends of the southwest Benin coast	Bouche Du Roy; DSAS; Grand-Popo Coast; Satellite Imagery; Shoreline Change	0	Journal of Coastal Research	10.2112/JCOASTRES-D-20-00010.1
163	Hossain M; Muslim A; Pour A; Mohamad M; Rabiul A S; Nadzri M; Khalil I	2021	Mapping different types of shorelines from coarse-resolution imagery fuzzy classification method can deliver greater accuracy	Fuzzy C-Means; Fuzzy Maximum Likelihood; Malaysia; Remote Sensing;; South China Sea	0	Journal of Coastal Research	10.2112/JCOASTRES-D-20-00070.1
164	Ferreira T; Aquino D S A; Reyes P Y; Stattegger K; Vital H	2021	Evaluation of decadal shoreline changes along the Parnaíba delta ne Brazil using satellite images and statistical methods	Coastal Erosion; Digital Shoreline Analysis; Natural Delta; Parnaíba River Delta; Remote Sensing	0	Ocean and Coastal Management	10.1016/j.ocecoaman.2020.105513
165	Challenger G; Gmur S; Taylor E	2021	A review of Gulf of Mexico coastal marsh erosion studies following the 2010 deep-water horizon oil spill and comparison to over 4 years of shoreline loss data from Fall 2010 to Summer 2015	Deepwater Horizon; Erosion; Gulf of Mexico; Oiling; Spartina	3	Marine Pollution Bulletin	10.1016/j.marpolbul.2021.111983
166	Daryono L; Nakashima K; Kawasaki S; Titisari A; Barianto D; Suyanto I; Rahmadi A	2021	Shoreline mapping based on beach rocks identification in Krakalsadranan beach Yogyakarta Indonesia	Beachrocks; Geophysical Methods; Rock Properties; Shoreline Mapping; UAV Drone	0	Bulletin of Engineering Geology and The Environment	10.1007/s10064-020-02101-5
167	Nguyen T; Nguyen D; Truong M; Doan N	2021	GIS-based simulation for deep-water port site selection using analytic hierarchy process: A case study from southern east of Vietnam	Location Choice; Model Builder; Natural Criteria; Weight	3	Applied Geomatics	10.1007/s12518-020-00319-2
168	Arulbalaji P; Banerji U; Maya K; Padmalal D	2021	Signatures of late quaternary landsea interactions and landform dynamics along southern Kerala coast SW India	Coastal Landforms; Land-Sea Interactions; Remote Sensing and GIS; Sea Level Changes	1	Quaternary International	10.1016/j.quaint.2020.05.011

169	Thakur S; Mondal I; Bar S; Nandi S; Ghosh P; Das P; De T	2021	Shoreline changes and its impact on the mangrove ecosystems of some islands of Indian Sundarbans northeast coast of India	DSAS; Mangroves; Mann-Kendall and Sen's Slope; NDVI; Remote Sensing; Sea Level Rise; Shore-line; Sustainable Resource Management; Time Series Analysis	8	Journal of Cleaner Production	10.1016/j.jclepro.2020.124764
170	Ren G; Zhao Y; Wang J; Wu P; Ma Y	2021	Ecological effects analysis of Spartina Alterniflora invasion within Yellow river delta using long time series remote sensing imagery	Coastal Wetlands; Invasive Plant; Remote Sensing; Spartina Alterniflora; Yellow River Delta	0	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2020.107111
171	Salim F; El H M; Lech-Hab K; El A	2021	A diachronic study of the Mediterranean coastline a geometric approach	NA	0	E3S Web of Conferences	10.1051/E3Sconf/202123400039
172	Fabris M	2021	Monitoring the coastal changes of the Po river delta northern Italy since 1911 using archival cartography multitemporal aerial photogrammetry and Lidar data implications for coastline changes in 2100AD	Archival Multi-Temporal Data; Coastline Changes; Emerged/Submerged Surfaces; Land Subsidence; Po River Delta; Relative Sea Level Rise 2100	5	Remote Sensing	10.3390/rs13030529
173	Jones L; Hobbs P	2021	The application of terrestrial Lidar for geohazard mapping monitoring and modelling in the British geological survey	Geohazards; Mapping; Modelling; Monitoring; Terrestrial LIDAR	1	Remote Sensing	10.3390/rs13030395
174	Quadrado G; Dillenburg S; Goulart E; Barboza E	2021	Historical and geological assessment of shoreline changes at an urbanized embayed sandy system in Garopaba southern Brazil	Barrier Evolution; Coastal Management; Depositional Environments; Erosion; Multi-Temporal; Progradation	1	Regional Studies In Marine Science	10.1016/j.rsma.2021.101622
175	Arjasakusuma S; Kusuma S; Saringatin S; Wicaksono P; Mutaqin B; Rafif R	2021	Shoreline dynamics in east Java province Indonesia from 2000 to 2019 using multi-sensor remote sensing data	ALOS PALSAR; Google Earth Engine; Landsat; Maximum Entropy; Remote Sensing; Sentinel-1	3	Land	10.3390/land10020100

176	Jiang J; Lohman R	2021	Coherence-guided InSAR deformation analysis in the presence of ongoing land surface changes in the Imperial valley California	Anthropogenic Activity; Fault Creep; Geodetic Imaging; Geothermal Operation; GPS; Ground Deformation; InSAR; Lake Level Change; Land Use; Regional Tectonics; Soil Moisture; Tropospheric Noise; Uncertainty Quantification	5	Remote Sensing of Environment	10.1016/j.rse.2020.112160
177	Baig M; Shahfahad S; Ahmad I; Tayyab M; Asgher M; Rahman A	2021	Coastal vulnerability mapping by integrating geospatial techniques and analytical hierarchy process AHP along the Vishakhapatnam coastal tract Andhra Pradesh, India	Coastal Slope; Digital Shoreline Analysis System (DSAS); Geoinformatics; Shoreline Change Rate; Vulnerability Index	3	Journal of The Indian Society of Remote Sensing	10.1007/s12524-020-01204-6
178	Baranskaya A; Novikova A; Shabanova N; Belova N; Maznev S; Ogorodov S; Jones B	2021	The role of thermal denudation in erosion of Icerich permafrost coasts in an enclosed Bay Gulf of Kruzenstern western Yamal Russia	Coastal Erosion; Coastal Retreat Rates; Massive Ice Beds; Permafrost; Thermal Denudation; Thermabrasion; Wave Energy	10	Frontiers In Earth Science	10.3389/feart.2020.566227
179	Narashid R; Zakaria M; Mohd F; Pa'Suya M; Talib N; Ariffin E	2021	Effect of erosion and accretion on beach profile in Kuala Terengganu coastal areas	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/620/1/012008
180	Adnan N; Fadilah F; Idzhar R; Mohd F; Rasam A; Mokhtar E	2021	Geospatial analysis of coastline erosion along Pulau Tuba Langkawi	NA	0	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/620/1/012017
181	Bhargava R; Sarkar D; Friess D	2021	A cloud computing-based approach to mapping mangrove erosion and progradation: Case studies from the Sundarbans and French Guiana	Coastal Accretion; Coastal Erosion; Google Earth Engine; Mangrove Loss; Water Classification	8	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2020.106798

182	Sanchez G; Grone M; Apodaca A; Byram R; Lopez V; Jewett R	2021	Sensing the past perspectives on collaborative archaeology and ground penetrating radar techniques from coastal California	Amah Mutsun Tribal Band; California Archaeology; Collaborative Archaeology; Community-Based Participatory Research; Indigenous Archaeology; Indigenous Stewardship	3	Remote Sensing	10.3390/rs13020285
183	Bini M; CaSA Rosa N; Luppichini M	2021	Exploring the relationship between river discharge and coastal erosion an integrated approach applied to the Pisa coastal plain Italy	Arno River; Coastal Environmental Monitoring; Coastal Erosion; Pisa Coastal Plain; Remote Sense Monitoring	5	Remote Sensing	10.3390/rs13020226
184	Baranskaya A; Belova N; Bogatova D; Novikova A; Ogorodov S; Li T; Shaw T; Horton B; Khan N	2021	Relative sea level changes as a driver of coastal dynamics in the Russian Arctic	Arctic; Coastal Erosion; GIA; RSL; Thermal Abrasion	0	Proceedings of The International Conference on Port and Ocean Engineering Under Arctic Conditions, POAC	NA
185	Ermolov A; Novikova A; Belova N	2021	Dynamics of low-lying accumulative coasts of western Gydan peninsula in the area of gas development	Accumulative Coasts; Arctic Coastal Dynamics; Coastal Erosion; Gulf of Ob; Gydan Peninsula	0	Proceedings of The International Conference on Port and Ocean Engineering Under Arctic Conditions, POAC	NA

186	Wei-Hao S; Tseng S	2021	Comparisons of classification models on CoastSat	Image Classification; Machine Learning; Shoreline Detection	0	ISPACS 2021 - International Symposium on Intelligent Signal Processing and Communication Systems: 5g Dream to Reality, Proceeding	10.1109/ISPACS51563.2021.9651114
187	Satish A; Geetha P	2021	Assessment of shoreline change detection in Alappad region Kerala using geospatial technology	Environment For Visualizing Images; Geographic Information System; Normalized Difference Water Index; Remote Sensing Techniques; Shoreline Extraction Techniques	0	2021 4th International Conference on Electrical, Computer and Communication Technologies, ICECCT 2021	10.1109/ICECCT52121.2021.9616727
188	Ahsanullah A; Khan S; Ahmed R; Luqman M	2021	Morphological change detection along the shoreline of karachi Pakistan using 50 year time series satellite remote sensing data and GIS techniques	Accretion and Erosion; Anthropogenic Activities; Geospatial Techniques; Karachi Coast; Shoreline Change	0	Geomatics, Natural Hazards and Risk	10.1080/19475705.2021.2009044
189	ParthaSARathy K; Deka P	2021	Remote sensing and GIS application in assessment of coastal vulnerability and shoreline changes: A review	Coastal Vulnerability; Multi-Hazard Vulnerability; Remote Sensing; Shoreline Changes; Shoreline Prediction	10	Ish Journal of Hydraulic Engineering	10.1080/09715010.2019.1603086
190	Kravtsova V	2021	The possibilities of comparing for multitemporal imagery of various resolution under the northern river deltas dynamics investigation	Changes; Coastline; Graphical Simulation; Image; Pixel	0	Intercarto, InterGIS	10.35595/2414-9179-2021-1-27-277-291

191	Nath A; Koley B; SARaswati S; Bandyopadhyay K; Bhattacharya S; Chandra R B	2021	Evaluation of longterm shoreline changes between Rasulpur and Subarnarekha estuary east coast of India using remote sensing and GIS techniques	Digital Shoreline Analysis System; End Point Rate; Histogram Threshold; Linear Regression Rate; Littoral Zone	0	Modern Cartography Series	10.1016/B978-0-12-823895-0.00026-9
192	Mattheus C; Braun K; Theuerkauf E; Santoro J	2021	Urban pocket-beach morphodynamics along the wave-dominated southwest coast of lake Michigan: An analysis of shoreline and sand volumetric changes	Beach Profile; GIS; Littoral; Overwash; Sediment Accommodation	1	Journal of Great Lakes Research	10.1016/j.jglr.2021.10.009
193	Mattheus C; Braun K; Theuerkauf E	2021	Great lakes urban pocket-beach dynamics a GIS-based analysis of infrastructure design influences on geomorphic development	Littoral; Sediment Accommodation; Shoreline Morphodynamics; Urban Beach; Wave Refraction	0	Journal of Great Lakes Research	10.1016/j.jglr.2021.10.020
194	Apostolopoulos D; Nikolakopoulos K	2021	Comparison of two opensource tools for diachronic shoreline monitoring: A case study from northwestern Peloponnese	AMBUR; DSAS; GIS; Shoreline; Statistics	0	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2597700
195	Usmanov B; Gainullin I; Gafurov A; Rudenko K; Ivanov M	2021	Using multitemporal remote sensing data for evaluation of the kuibyshev reservoir bank transformation Laishevo and Ostolopovo archaeological sites Tatarstan, Russia	Archaeological Sites; Chm; DSAS; Multitemporal Remote Sensing Data; Reservoir Bank Transformation; UAV	0	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2599931
196	Marfai M; Winastuti R; Wicaksono A; Mutaqin B	2021	Coastal morphodynamic analysis in Buleleng Regency Bali, Indonesia	Buleleng; Grain Size; Indonesia; Morphology; Sediment Cells; Shoreline Change	0	Natural Hazards	10.1007/s11069-021-05088-8

197	Komolafe A; Apalara P; Ibitoye M; Adebola A; Olorunfemi I; Diallo I	2021	Spatiotemporal analysis of shoreline positional change of Ondo state coastline using remote sensing and GIS: A case study of Ilaje coastline at Ondo state in Nigeria	Coastal Erosion; Geographic Information System; Nigeria; Remote Sensing; Shoreline Dynamics	0	Earth Systems and Environment	10.1007/s41748-021-00270-1
198	Wu Q; Yue H; Liu Y; Hou E	2021	Geospatial quantitative analysis of the Aral sea shoreline changes using RS and GIS techniques	Digital Shoreline Analysis System; Geospatial Quantitative Analysis; Lake Shoreline Change; Spatial-Temporal Change; The Aral Sea	0	Earth Science Informatics	10.1007/s12145-021-00714-2
199	Perera T; Herath H; Piyadasa R; Jianhui L; Bing L	2021	Spatial and physicochemical assessment of groundwater quality in the urban coastal region of Sri Lanka	GIS Modelling; Hazard Quotient; Hydrochemical Facies; Potable Water; Spatial Distribution Map; Water Quality Standards; WQI	0	Environmental Science and Pollution Research	10.1007/s11356-021-16911-x
200	Mohanty P; Shetty S; Mahendra R; Nayak R; Sharma L; Rama R E	2021	Spatiotemporal changes of mangrove cover and its impact on biocarbon flux along the West Bengal coast northeast coast of India	Bio-Carbon Flux; Drought; Landsat; Mangroves; NDVI; Shoreline Change	0	European Journal of Remote Sensing	10.1080/22797254.2021.1977183
201	El K; Bourhili A; Bagdaničičiūtė I; Minoubi A; Hakkou M; Zourarah B; Maanan M	2021	Coastal land use and shoreline evolution along the Nador lagoon coast in Morocco	Barrier Island; Coastal Erosion; Digital Shoreline Analysis System (DSAS); Human Activities; Lulc Changes; Mediterranean Coast	0	Geocarto International	10.1080/10106049.2021.1974958
202	Clark A; Moorman B; Whalen D; Fraser P	2021	Arctic coastal erosion UAV-SFM data collection strategies for planimetric and volumetric measurements	Arctic Coastal Erosion; Coastal Retrogressive Thaw Slump; Oblique Imagery; UAV-SFM; Volumetric Coastal Erosion	0	Arctic Science	10.1139/as-2020-0021

203	Mishra M; Kar D; Debnath M; Sahu N; Goswami S	2021	Rapid eco-physical impact assessment of tropical cyclones using geospatial technology: A case from severe cyclonic storms Amphan	Amphan; Coastal Management; Geo-spatial Technology; Super Cyclone; Tropical Cyclone	1	Natural Hazards	10.1007/s11069-021-05008-w
204	Bhattacharya R; Das C N	2021	Sand mining consequences on channel morphology practical use of digital shoreline analysis system DSAS geometrical indices and compound factor CF	Channel Incision; Geomorphic Response (Gr); Pool-Riffle Alteration; Riverine Land Covers (RLCS) Change; Structural Knick Point	0	Environmental Science and Engineering	10.1007/978-3-030-72296-8_6
205	Jabir A; Hasan G; Anam M	2021	Correlation between temperature sea level rise and land loss an assessment along the Sundarbans coast	Coastal Erosion; Landsat Images; Sea Level Rise; Sundarbans; Temperature Variation; Tide Levels	0	Journal of King Saud University - Engineering Sciences	10.1016/j.jksues.2021.07.012
206	Koulibaly C; Ayoade J	2021	The application of GIS and remote sensing in a spatiotemporal analysis of coastline retreat in Rufisque, Senegal	Accretion; Adaptation; Coastline; Erosion; Rufisque; Spatiotemporal Change	0	Geomatics and Environmental Engineering	10.7494/geom.2021.15.3.55
207	Jodhani K; Bansal P; Jain P	2021	Shoreline change and rate analysis of Gulf of Khambhat using satellite images	ArcGIS; DSAS; Remote Sensing; Shoreline Changes	0	Lecture Notes In Civil Engineering	10.1007/978-981-16-1303-6_12
208	Kapusta J; Petrovič F; Hreško J; Rączkowska Z	2021	Shrinkage of the tarns in the high Tatras Slovakia, Poland	Basin Filling; High Tatras; Lake Shrinkage; Morphodynamic Processes; Retrospective Analysis; Shoreline Changes; Tarns	0	Geographia Cassoviensis	10.33542/GC2021-1-01
209	Khallaghi S; Pontius J	2021	Area method compared with transect method to measure shoreline movement	AMBUR; Boundary Movement; Coastal Studies; DSAS; GIS; Shoreline Change	0	Geocarto International	10.1080/10106049.2021.1926556

210	Boumboulis V; Apostolopoulos D; Depountis N; Nikolakopoulos K	2021	The importance of geotechnical evaluation and shoreline evolution in coastal vulnerability index calculations	Coastal Erosion; Coastal Vulnerability Index (CVI); Geographical Information Systems (GIS); Geotechnical Evaluation; Shoreline Evolution	3	Journal of Marine Science and Engineering	10.3390/jmse9040423
211	Blais M; Akhloufi M	2021	Deep learning for low altitude coastline segmentation	Aerial Images; Coastal Erosion; Coastline Detection; Deep Learning; Remote Sensing; Semantic Segmentation	0	Proceedings of Spie - The International Society For Optical Engineering	10.1117/12.2586977
212	Pujianiki N; Widhi G; Antara I; Temaja I; Osawa T	2021	Monitoring coastline changes using Landsat application in Batu Mejan beach	Accretion; Coastline Changes; Erosion; Landsat	0	International Journal on Advanced Science, Engineering and Information Technology	10.18517/ijaseit.11.2.13162
213	Lezine E; Kyzivat E; Smith L	2021	Super-resolution surface water mapping on the Canadian shield using planet CUBESAT images and a generative adversarial network cartographie des eaux de surface à très haute résolution sur le bouclier canadien à l'aide d'images planet cubesat et d'un réseau antagoniste génératif	NA	0	Canadian Journal of Remote Sensing	10.1080/07038992.2021.1924646
214	Thanh T; Quang C N; Xuan T D	2021	Sandspit evolution and inlet dynamics derived from satellite images: A case study for Tien Chau inlet Vietnam	Fishing Harbor; Sand-Spit; Satellite Images; Shoreline Detection; Tien Chau Vietnam	0	Lecture Notes In Civil Engineering	10.1007/978-981-16-0053-1_36

215	Baía L; Ranieri L; Rosário R	2021	Multitemporal analysis of variations in the coastlines of stuarine macrotidal beaches in the eastern Amazon, Brazil análise multitemporal da variação da linha de costa em praias estuarinas de macromaré na Amazônia oriental	Beach; Eastern Amazon; Erosion and Coastal Accretion; Remotes sensing	0	Geociencias	10.5016/geociencias.v40i1.13470
216	NasSAR K; El-Adawy A; Zakaria M; Diab R; Masria A	2021	Quantitative appraisal of naturalanthropic shoreline shifts for Hurghada, Egypt	DSAS; Hurghada; Red Sea; Remote Sensing; Shoreline Prediction	0	Marine Georesources and Geotechnology	10.1080/1064119X.2021.1918807
217	Septiangga B; Mutaqin B	2021	Spatio-temporal analysis of wulan delta in Indonesia characteristics evolution and controlling factors	Coastal; Histogram Thresholding; Indonesia; Morphodynamics; Wulan Delta	2	Geographia Technica	10.21163/GT_2021.163.04
218	Dimiyati M; Trihatmoko E; Marfai M	2021	10 years erosion-sedimentation monitoring system based automatic interpretation in coastal area of Brebes Cegency Central Java Province, Indonesia	Band Ratio; Brebes Indonesia; Coastal Dynamics; Erosion-Sedimentation Process; GIS	1	Geographia Technica	10.21163/GT_2021.161.03
219	Rogers M; Bithell M; Brooks S; Spencer T	2021	Vedge-detector automated coastal vegetation edge detection using a Convolutional Neural Network	NA	0	International Journal of Remote Sensing	10.1080/01431161.2021.1897185
220	Mishra M; Acharyya T; Chand P; Santos C; Kar D; Das P; Pattnaik N; Silva R; Nascimento T	2021	Analyzing shoreline dynamicity and the associated socioecological risk along the southern Odisha coast of India using remote sensing-based and statistical approaches	Digital Shoreline Analysis System (DSAS); Endpoint Rate (EPR); Remote Sensing; Shoreline Dynamicity; Weighted Linear Regression (WLR)	9	Geocarto International	10.1080/10106049.2021.1882005
221	Islam M; Uddin A; Hossain P	2021	Assessing the dynamics of land cover and shoreline changes of Nijhum Dwip island of Bangladesh using remote sensing and GIS techniques	Bangladesh; GIS; Land Cover; Nijhum Dwip; Remote Sensing; Shoreline	5	Regional Studies In Marine Science	10.1016/j.rsma.2020.101578

222	Yadav A; Dodamani B; Dwarakish G	2021	Effect of disturbed river sediment supply on shoreline configuration: A case study	Accretion; DSAS; Erosion; Shoreline; Swat; ArcGIS	1	Ish Journal of Hydraulic Engineering	10.1080/09715010.2021.1878068
223	Liu W; Chen X; Ran J; Liu L; Wang Q; Xin L; Li G	2021	Laenet a novel lightweight multi-task CNN for automatically extracting lake area and shoreline from remote sensing images	Lake Area Segmentation; Lake Shoreline Extraction; Lightweight CNN; Spatial Gradient Map	4	Remote Sensing	10.3390/rs13010056
224	Hasan M; Karmaker S; Rahman M	2021	Geomorphological change assessment of south western coastal region: A case study of Mongla, Upazila, Bagerhat Bangladesh	Coastal Region; Erosion; Geomorphological Changes; GIS and RS; NDWI; Shoreline	0	Journal of Applied Water Engineering and Research	10.1080/23249676.2020.1831977
225	Vu M; Lacroix Y; Vu Q	2021	Assessment of the shoreline evolution at the eastern Giens Tombolo of France	Erosion and Accretion; Giens Tombolo; GIS; Satellite Images; Shoreline Prediction	0	Lecture Notes In Civil Engineering	10.1007/978-3-030-60269-7_18
226	Crawford T; Rahman M; Miah M; Islam M; Paul B; Curtis S; Islam M	2021	Coupled adaptive cycles of shoreline change and households in deltaic Bangladesh analysis of a 30year shoreline change record and recent population impacts	Adaptive Cycle; Erosion/Accretion; Household Survey; Remote Sensing; Spatio-temporal Analysis	1	Annals of The American Association of Geographers	10.1080/24694452.2020.1799746
227	Yadav A; Dodamani B; Dwarakish G	2021	Shoreline analysis using Landsat-8 satellite image	ArcGIS; EPR and LRR; Erdas Imagine; Landsat-8; Shoreline Change	4	Ish Journal of Hydraulic Engineering	10.1080/09715010.2018.1556569
1458	Escudero M; Reguero B; Mendoza E; Secaira F; Silva R	2021	Coral reef geometry and hydrodynamics in beach erosion control in north Quintana Roo, Mexico	Beach Erosion Mitigation; Coral Reefs; Coastal Protection; Radiation Stress; Wave Energy; Nature-Based Solutions	1	Frontiers In Marine Science	10.3389/fmars.2021.684732
1462	Bagyaraj M; Venkatesan S; Preethi T; Infantina S; Rajmohan S	2021	The analysis of long-term shoreline changes due to erosion and accretion using multiresolution Landsat satellite data along the coast between Chennai to Kovalam Tamilnadu, India	Shoreline Change; Erosion; Accretion; GIS Studies; Chennai; Kovalam	0	Journal of Indian Geophysical Union	NA

1491	Lezine E; Kyzivat E; Smith L	2021	Super-resolution surface water mapping on the Canadian shield using planet cubesat images and a generative adversarial network	NA	0	Canadian Journal of Remote Sensing	10.1080/07038992.2021.1924646
1494	Santos C; Do N T; Mishra M; Da S R	2021	Analysis of long and short-term shoreline change dynamics: A study case of Joao Pessoa city in Brazil	Shoreline Changes; DSAS; Remote Sensing; Coastal Erosion; Coastal Accretion	8	Science of The total Environment	10.1016/j.scitotenv.2020.144889
1508	Smith S; Barnard P	2021	The impacts of the 2015-2016 El Nino on California's sandy beaches	El Nino; Shoreline Change; Wave Energy; Coastal Hazards	3	Geomorphology	10.1016/j.geomorph.2020.107583
1511	Ferreira T; Da S A; Perez Y; Stattegger K; Vital H	2021	Evaluation of decadal shoreline changes along the Parnaiba delta ne Brazil using satellite images and statistical methods	Remote Sensing; Parnaiba River Delta; Digital Shoreline Analysis; Coastal Erosion; Natural Delta	0	Ocean & Coastal Management	10.1016/j.ocecoaman.2020.105513
1525	Loi D; Khac D; Hung D; Dong N; Vinh D; Weber C	2021	Monitoring of coastline change using sentinel-2A and Landsat-8 data: A case study of Pam Pha city, Quang Ninh province	Coastline Change; Sentinel-2a; Landsat 8; Normalized Difference Water Index	0	Vietnam Journal of Earth Sciences	10.15625/2615-9783/16066
1528	Dingil M; Oztekin M	2021	Detecting the shoreline change pattern over 72 years in the Mediterranean using aerial photos and satellite images: A case study in Mersin, Turkey	Shoreline Change; Remote Sensing; Digitizing; QGIS; Georeference; Aerial Photo	0	Fresenius Environmental Bulletin	NA
2	Sanhory A; El-Tahan M; Moghazy H; Reda W	2022	Natural and manmade impact on Rosetta eastern shoreline using satellite image processing technique	(LITPACK); DSAS; Ghalyon Fish Farm; MNDWI; Remote Sensing; Rosetta Promontory	0	Alexandria Engineering Journal	10.1016/j.aej.2021.11.053
3	Queiroz H; Gonçalves R; Mishra M	2022	Characterizing global satellitebased indicators for coastal vulnerability to erosion management as exemplified by a regional level analysis from north-east Brazil	Coastal Vulnerability Index; Coastal Vulnerability to Erosion; Global Indicator; Pca; Remotely Sensed Data Set	0	Science of The total Environment	10.1016/j.scitotenv.2021.152849

4	Cowley D; Harris D; Moss P; Shulmeister J	2022	Beach narrowing on prograding coasts examples from the tropics to subtropics of eastern Australia	Aerial Photography; Beach Width; Digital Shoreline Analysis System; Queensland; Shoreline Change; Southwest Pacific; Subtropics; Tropics	0	Geomorphology	10.1016/j.geomorph.2022.108110
5	Sadio M; Sakho I; Samou S M; Gueye A; Diouf M; Deloffre J	2022	Multidecadal dynamics of the Saloum river delta mouth in climate change context	Climate Change; Coastal Erosion; Saloum River Delta; Sandy Spit; Senegal; Tidal Inlet	0	Journal of African Earth Sciences	10.1016/j.jafrearsci.2022.104451
6	Akay S; Özcan O; Balık Ş F	2022	Quantification and visualization of flood-induced morphological changes in meander structures by UAV-based monitoring	Multi-Temporal Surveys; Natural Hazard; River Morphology; Unmanned Aerial Vehicles (UAV)	0	Engineering Science and Technology, An International Journal	10.1016/j.jestch.2021.05.020
7	Nanson R; Bishop-Taylor R; Sagar S; Lymburner L	2022	Geomorphic insights into Australia's coastal change using a national dataset derived from the multidecadal Landsat archive	Coastal Barrier; Coastal Erosion; Coastal Management; DEA Coastlines; Ramsar Wetlands; Sea Level Rise	0	Estuarine, Coastal and Shelf Science	10.1016/j.ecss.2021.107712
8	Elfadaly A; Abutaleb K; Naguib D; Lasaponara R	2022	Detecting the environmental risk on the archaeological sites using satellite imagery in Basilicata region Italy	Cultural Heritage Sites; Flood Monitoring; Google Earth Engine Platform; SAR (C-Band) Data	0	Egyptian Journal of Remote Sensing and Space Science	10.1016/j.ejrs.2022.01.007
9	Wang J; Li D; Cao W; Lou X; Shi A; Zhang H	2022	Remote sensing analysis of erosion in Arctic coastal areas of Alaska and Eastern Siberia	Arctic; Coastal Erosion; Coastal Zone; Remote Sensing Analysis	0	Remote Sensing	10.3390/rs14030589
10	Daramola S; Li H; Otoo E; Idowu T; Gong Z	2022	Coastal evolution assessment and prediction using remotely sensed front vegetation line along the Nigerian transgressive Mahin Mud coast	Coastal Erosion; Coastline Prediction; Managed Realignment; Mangroves; Nigerian Coastline	0	Regional Studies In Marine Science	10.1016/j.rsma.2022.102167

11	Abdelhady H; Troy C; Habib A; Manish R	2022	A simple fully automated shoreline detection algorithm for high-resolution multi-spectral imagery	LIDAR; Shoreline Detection; Shoreline Evolution; Shoreline Timeseries; Water Index	0	Remote Sensing	10.3390/rs14030557
12	Nicolae L A; Castelle B; Marieu V; Robinet A; Bul-teau T; Bernon N; Mallet C	2022	Decadal beach-dune profile monitoring along a 230km high-energy sandy coast Aquitaine southwest France	Beach Profile; Coastal Dune; Erosion; Long-Term Trend; Recovery; Regional Variability	0	Applied Geography	10.1016/j.apgeog.2022.102645
13	Jose P P C; Onguene R; Abessolo G; Ele P	2022	Morphology impact of the dike of the autonomous port of Kribi on the Cameroonian coast	Coastal Morphology; Deep Port of Kribi; DSAS; Impact of Dikes	0	Journal of African Earth Sciences	10.1016/j.jafrearsci.2021.104439
14	Hu X; Wang Y	2022	Monitoring coastline variations in the Pearl river estuary from 1978 to 2018 by integrating Canny Edge Detection and OTSU methods using long time series Landsat dataset	Canny Edge Detection; Coastline; DSAS; Landsat; The Pearl River Estuary	0	Catena	10.1016/j.catena.2021.105840
15	Dietz M; Liu K; Bianchette T; Ryu J; Yao Q	2022	Linking backbarrier lacustrine stratigraphy with spatial dynamics of shoreline retreat in a rapidly subsiding region of the Mississippi river delta	Environmental Change; Mississippi Delta; Shoreline Retreat	0	Geomorphology	10.1016/j.geomorph.2021.108008
16	De F A D M; Amaro V; Scudelari A; Rosado S	2022	Estimation of long term shoreline changes along the eastern coast of Rio grande do norte state northeast Brazil estimativas das alterações de longo prazo na linha de praia do litoral oriental do Rio Grande do norte nordeste do Brasil	Climate Change; Coastal Erosion; Coastal Management	0	Revista Brasileira De Geomorfologia	10.20502/RBG.V23I1.1953
17	Aoudj C; Guerfi M; Mezouar K	2022	Evolution of shoreline kinematics at the Bejaia Bay east Algeria from 1989 to 2017	Coastal Kinematics; Coastline of Bejaia; DSAS; Erosion; GIS	0	Advances In Science, Technology and Innovation	10.1007/978-3-030-72547-1_15

18	Dobrică G; Cerneagă C; Maftei C	2022	Shoreline change analysis using digital shoreline analysis system along southeast Romanian coast	Erosion; GIS; Remote Sensing; Romanian Littoral; Shoreline Change	0	Advances In Science, Technology and Innovation	10.1007/978-3-030-72547-1_18
19	Psomiadis E	2022	Long and short-term coastal changes assessment using earth observation data and GIS analysis: The case of Sperchios river delta	Change Detection; Coastal Geomorphology; GIS; Qualitative and Quantitative Analysis; Remote Sensing	0	ISPRS International Journal of Geo-Information	10.3390/ijgi11010061
20	Panda G; Mishra M; Chatterjee U	2022	Risk assessment of coastal erosion for Odisha coast along Bay of Bengal India using coastal hazard wheel model	Biophysical Parameters; Coastal Erosion; Coastal Hazard Wheel; Coastal Zone Management; Geographical Information System	0	Geojournal	10.1007/s10708-021-10552-w
21	Mahamoud A; Gzam M; Ahmed M N; Soulé H; Montacer M	2022	A preliminary assessment of coastal vulnerability for Ngazidja Island Comoros Archipelago western Indian ocean	Beach; Coastal Vulnerability Index (CVI); Ngazidja Island; Sea-Level Rise; Steep Cliff	0	Environmental Earth Sciences	10.1007/s12665-021-10136-4
22	Arriaga J; Medellin G; Ojeda E; Salles P	2022	Shoreline detection accuracy from video monitoring systems	Accuracy Assessment; Camera Calibration; Image Stabilization; Video Monitoring	0	Journal of Marine Science and Engineering	10.3390/jmse10010095
23	Kang Y; He J; Wang B; Lei J; Wang Z; Ding X	2022	Geomorphic evolution of radial sand ridges in the south Yellow sea observed from satellites	Morphological Evolution; Radial Sand Ridges; Remote Sensing; Sand Ridge Lines; Waterline	0	Remote Sensing	10.3390/rs14020287
24	Gazi M; Maksud K A; Uddin M; Bhuiyan M; Rahman M	2022	The stability and suitability of the Bhasan Char island as an accommodation for the forcibly displaced Myanmar nationals FDMN	Bangladesh; Bhasan Char; DSAS; Geospatial Techniques; Island Dynamics; Seismic; Shoreline Shifting	0	Sustainability (Switzerland)	10.3390/su14020747

25	Wu Q; Miao S; Huang H; Guo M; Zhang L; Yang L; Zhou C	2022	Quantitative analysis on coastline changes of Yangtze river delta based on high spatial resolution remote sensing images	Coastline Changing; GFL; NDWI; Remote Sensing; Yangtze River Delta; ZY-3	0	Remote Sensing	10.3390/rs14020310
26	Williams H; Rains B	2022	Effect of barrier height on magnitude and character of hurricane harvey washover fans Matagorda Peninsula Texas, USA	Deposition; Erosion; LIDAR; MaRSh; Overwash	0	Journal of Coastal Research	10.2112/JCOASTRES-D-21-00043.1
27	Gómez-Pazo A; Payo A; Paz-Delgado M; Delgadillo-Calzadilla M	2022	Open Digital Shoreline Analysis System ODSAS v10	Cliffmetrics; Coastal Variation; Coastcr; DSAS; ODSAS; Profile crossings; R; SAGA	0	Journal of Marine Science and Engineering	10.3390/jmse10010026
28	Valjarević A	2022	GIS-based methods for the analysis of the main ports in Europe	Digital Cartography; Geographical Information Systems; Marine Traffic; Numerical Analysis; Ports	0	Lecture Notes In Civil Engineering	10.1007/978-981-16-7735-9_59
29	Alcaras E; Falchi U; Parente C; Vallario A	2022	Accuracy evaluation for coastline extraction from pléiades imagery based on NDWI and IHS Pansharpening application	Accuracy Evaluation; Coastline Extraction; NDWI; Pléiades Images; Remote Sensing; VHR	0	Applied Geomatics	10.1007/s12518-021-00411-1
30	Zonkouan B; Bachri I; Beda A; N'Guessan K	2022	Monitoring spatial and temporal scales of shoreline changes in lahoukpanda (southern ivory coast) using Landsat data series (TM, ETM+ and OLI)	DSAS; Lahou-Kpanda; Landsat; Remote Sensing; Shoreline Change	0	Geomatics and Environmental Engineering	10.7494/geom.2022.16.1.145
31	Mou F; Bhuiyan N; Alvee F; Rahman A; Maliha M	2022	Estimation of erosion-accretion using remote sensing approach: A case analysis on Teknaf coastline	ARCGIS; Coastline; Cyclone; Erosion-Accretion	0	Lecture Notes In Civil Engineering	10.1007/978-981-16-5547-0_39
32	Zhang Y; Qiao Q; Liu J; Sang H; Yang D; Zhai L; Li N; Yuan X	2022	Coastline changes in mainland China from 2000 to 2015	Accuracy Evaluation; Automatic Extraction; Coastline; Mainland China; Stability	0	International Journal of Image and Data Fusion	10.1080/19479832.2021.1943011

33	Polk M; Gittman R; Smith C; Eulie D	2022	Coastal resilience surges as living shorelines reduce lateral erosion of salt marshes	Coastal Protection; Hurricane Florence; Living Shorelines; Nature-Based; Shoreline Management	1	Integrated Environmental Assessment and Management	10.1002/ieam.4447
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