



Marine Mineral Resource Mining

Guest Editor:

Dr. Mehdi Ostadhassan

1. Department of Biomedical Engineering, University of North Dakota, Grand Forks, ND, USA
2. Key Laboratory of Continental Shale Hydrocarbon Accumulation and Efficient Development, Institute of Unconventional Oil and Gas, Northeast Petroleum University, Daqing, China

Deadline for manuscript submissions:
closed (15 August 2019)

Message from the Guest Editor

Dear Colleagues,

Solid organic matter in sedimentary rocks produces petroleum and bitumen when undergoes thermal maturation. Solid OM is a 'geomacromolecule', representing a mixture of various organisms with distinct biogenic origins. Programmed pyrolysis is a common method to reveal bulk geochemical characteristics of the dominant organic matter while detailed organic petrography is required to reveal biogenic origin of contributing macerals. Despite advantages of pyrolysis, it misses the heterogeneity of chemical compositions in the individual OM which varies with maturity. Therefore, other analytical techniques such as Raman, GC-MS and infrared spectroscopy, are necessary to elevate our understanding from individual organic particle in smaller scale. The focus of this special issue is to compare various analytical techniques on different source rocks that can provide insight to petroleum system evaluation of unconventional shale plays. This special issue is aiming to signify the potential of alternative methods to the conventional (pseudo) Van Krevelen diagram, by revealing the underlying chemical changes in source rocks during thermal advance.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Tony Clare

School of Natural and
Environmental Sciences,
Newcastle University, Newcastle
upon Tyne NE1 7RU, UK

Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q1 (*Engineering, Marine*) / CiteScore - Q2 (*Ocean Engineering*)

Contact Us

*Journal of Marine Science and
Engineering* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jmse
jmse@mdpi.com
X@JMSE_MDPI