water

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

CITESCORE 5.5

Recent Progress in CO_2 Emission from the World's Rivers

Guest Editors:

Prof. Dr. Yijun Xu
Coastal Studies Institute, Louisiana State University, Baton Rouge, LA 70803, USA

Prof. Dr. Siyue Li
Key Laboratory of Reservoir Aquatic Environment, Research Center for Ecohydrology, Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Sciences, Chongqing 400714, China

Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

We are guest-editing a special issue of Water - ***Recent Progress in CO_2 Emission from the World's Rivers***. Manuscripts will be selected through both invitation and open call, and the publisher Water will waive the fee for all accepted papers in this Feature Paper special issue.

Terrestrial carbon export from river systems to coastal and marine environments is a crucial component of the global carbon cycling. However, current global estimates of CO_2 flux from rivers to the atmosphere vary largely, i.e. nearly 9-folds from the lowest to the highest estimate, and the large discrepancy may have stemmed from a number of factors. This Feature Paper special issue aims at bringing together the latest research on CO_2 emission of the world's rivers from headwaters to lowland and estuarine rivers. We encourage submissions of high-quality studies concerning dissolved carbon transport and transformation in riverine systems across climatic, geological and land use gradients. We especially encourage papers that address CO_2 from the word's major rivers and that stimulate critical thinking pertinent to constraining uncertainties in global estimation of riverine CO_2 emission.

water

IMPACT FACTOR 3.4

CITESCORE 5.5

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST
ECOLAB, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, campus ENSAT, Auzeville Tolosane, France

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.
Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/water
water@mdpi.com
𝕏@Water_MDPI