

Special Issue

Recent Progress in CO₂ Emission from the World's Rivers

Message from the Guest Editors

We are guest-editing a special issue of *Water* - *Recent Progress in CO₂ 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 CO₂ 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 CO₂ 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 CO₂ from the world's major rivers and that stimulate critical thinking pertinent to constraining uncertainties in global estimation of riverine CO₂ emission.

Guest Editors

Prof. Dr. Yijun Xu

Coastal Studies Institute, Louisiana State University, Baton Rouge, LA 70803, USA

Prof. Dr. Siyue Li

School of Environmental Ecology and Biological Engineering, Institute of Changjiang Water Environment and Ecological Security, Hubei Key Laboratory of Novel Reactor and Green Chemical Technology, Wuhan Institute of Technology, Wuhan 430205, China

Deadline for manuscript submissions

closed (31 December 2023)



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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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