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Recent Progress in CO₂ Emission from the World's Rivers

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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 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.



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Special Issue



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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.

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