



Emerging Frontiers, Processes and Technologies for Water Sustainability

Guest Editors:

Prof. Dr. Oishi Sanyal

Department of Chemical and Biomedical Engineering, West Virginia University, Morgantown, WV 26506, USA

Dr. Fernando V. Lima

Department of Chemical and Biomedical Engineering, West Virginia University, Morgantown, WV 26506, USA

Prof. Dr. Omar I. Abdul-Aziz

Wadsworth Department of Civil and Environmental Engineering, West Virginia University, Morgantown, WV 26506, USA

Deadline for manuscript submissions:

closed (30 June 2022)

Message from the Guest Editors

Dear Colleagues,

Water sustainability is critical to ensure the increasing demand of fresh water supply, fueled by rapid urbanization and population growth across the world. Solving a problem of this scale requires a highly interdisciplinary approach—involving methods and tools of predictions, impact assessments, development of novel treatment technologies, and process systems engineering. Our team of editors aims to bring together these diverse topics in this Special Issue with a collection of papers from experts around the world. We invite papers across the broad spectrum of environmental/water resources sciences and engineering, including impacts of changing climate, land use/cover, and sea level rise on water quantity and quality. In terms of novel treatment technologies, papers are solicited from various areas including, but not limited to, membrane-based techniques, electrochemical separations, novel adsorbents, etc....

Prof. Dr. Oishi Sanyal

Prof. Dr. Fernando V. Lima

Dr. Omar I. Abdul-Aziz

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI