



Aquatic Systems Quality and Pollution Control

Guest Editors:

Dr. Teresa Albuquerque

Polytechnic Institute of Castelo Branco, 6000-084 Castelo Branco, Portugal

Dr. Rita Fonseca

Institute of Earth Sciences (IES), Department of Geosciences, School of Sciences and Technology, AmbiTerra Laboratory, University of Évora, 7000-645 Évora, Portugal

Deadline for manuscript submissions:

closed (28 February 2021)

Message from the Guest Editors

Dear Colleagues,

The accumulation of potentially hazardous or toxic chemicals in the sediments of freshwater and transitional aquatic systems goes along to represent a substantial risk to the health of aquatic ecosystems and human populations worldwide. This Special Issue will open a wide debate on Earth issues related to the Quality of Sediments and Water of Aquatic Systems.

We welcome innovative papers dealing with i) tools and techniques of particle-tracking studies and their applications in contaminated sediment's transport, ii) water-sediments interactions, iii) contaminant distribution, bioavailability, and uptake partitioning, iv) data mining and spatial modeling, v) characterization, assessment, and monitoring of emerging contaminants, vi) chemical/toxicological/biological measurements and monitoring of pollutants, vii) human health risk assessment, viii) climate change impacts on aquatic systems quality, ix) impact of mining and industrial activities on water and sediment quality, x) the role of stable isotopes, REE and other analytical techniques in monitoring the sources and fate of contaminants in sediments, and xi) remediation and restoration.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alberto G. Fairén

1. Centro de Astrobiología, CSIC-INTA, Madrid, Spain

2. Department of Astronomy, Cornell University, Ithaca, NY, USA

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Author Benefits

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

High Visibility: indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.

Journal Rank: CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Geosciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/geosciences
geosciences@mdpi.com
[X@Geosciences_OA](https://twitter.com/Geosciences_OA)