Special Issue

Biogeochemical Cycles of Metals and Metal Contamination in Marine Systems

Message from the Guest Editors

The biogeochemistry of metals in natural waters is a key topic in order to understand the natural processes, and, at the same time, the processes under contamination by heavy metals in marine systems. In this sense, this Special Issue is focused on the physico-chemical processes where metals are involved, in order to increase our knowledge. All contributions about metal chemistry, from trace metal concentrations to higher levels, are welcome, and the following topics will be considered:

- Stable isotopic fractionation
- Oxidation and reduction in seawater
- The role of organic binding ligands in the physicochemical processes of metals
- Characterization of organic ligands with interest in the metal chemistry
- Adsorption and uptake of metals onto organisms as bioindicators
- Metal adsorption on surfaces (from biosurfaces to plastics or microplastics)

Guest Editors

Dr. Aridane González González

Instituto de Oceanografía y Cambio Global, IOCAG, Universidad de Las Palmas de Gran Canaria, ULPGC, Parque Científico Tecnológico de Taliarte, Spain

Dr. Juan Santos-Echeandia

Department of Contamination and Biological Effects, Spanish Institute of Oceanography, 36390 Vigo, Spain

Deadline for manuscript submissions

closed (26 July 2020)



Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 5.1



mdpi.com/si/29885

Geosciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
geosciences@mdpi.com

mdpi.com/journal/geosciences





Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1 CiteScore 5.1



About the Journal

Message from the Editor-in-Chief

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

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

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)

