



New Adsorbent Materials and Chelating Agents for the Removal/Sequestration of Water Pollutants

Guest Editors:

Dr. Salvatore Cataldo

Department of Physics and
Chemistry Emilio Segrè,
University of Palermo, 90128
Palermo, Italy

Dr. Gabriele Lando

Dept. of Chemical, Biological,
Pharmaceutical and
Environmental Sciences,
University of Messina, I-98166,
Messina, Italy

Dr. Sofia Gama

Department of Analytical
Chemistry, Faculty of Chemistry,
University of Białystok, 15-245
Białystok, Poland

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to highlight the knowledge of new adsorbent materials and sequestering agents able to remove/sequester organic and inorganic pollutants from waters.

The development of new technologies for the treatment of polluted waters is a crucial topic for both developed and developing countries, and involves a great number of scientists worldwide.

Toxic metal ions, hydrocarbons, pesticides, drugs, and dyes are some of the most common pollutants found at different concentration levels in wastewaters, and in different water bodies near industrialized and urban areas. A great challenge for scientists involved in this research area is the setting up of an environmentally sustainable technique capable of removing the pollutant, or, in any case, to reduce or eliminate its toxic effects towards humans, animals and plants. In this contest, the use of new adsorbent materials and sequestering agents able to selectively bind the pollutants from contaminated waters seems to be two valid solutions to the problem.





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](https://twitter.com/Sus_MDPI)