

Special Issue

Sorption of Environmental Pollutants: Thermodynamic and Kinetic Aspects

Message from the Guest Editor

The sorption of environmental pollutants (EPs) has received increased attention from the research community in the last several decades because of its important role in a multitude of natural and industrial processes, such as the transport of pesticides in soils and sediments and in wastewater treatment. For an exhaustive comprehension of a sorption system, it is essential to acquire information on both the thermodynamics and the kinetics of the process. This Special Issue focuses on the thermodynamic and kinetic aspects of the sorption of EPs. The scope of the Special Issue includes research papers and reviews dealing with all types of sorption processes (e.g., adsorption, absorption, ion exchange, and surface precipitation) and EPs (inorganic and organic contaminants). Both experimental and theoretically oriented papers are encouraged. The following topics are particularly welcome:

- Sorption of EPs onto soils and sediments.
- EPs removal from water using novel sorbents.
- Use of cheap and eco-friendly sorbent materials.
- Derivation of new thermodynamic and kinetic sorption models.

Guest Editor

Dr. Stefano Salvestrini

Department of Environmental, Biological and Pharmaceutical Sciences and Technologies, University of Campania "Luigi Vanvitelli", Caserta, Italy

Deadline for manuscript submissions

closed (20 September 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



mdpi.com/si/52553

Applied Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.3



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)