



Phosphorous in Soils and Sediments

Guest Editors:

Dr. Paul Northrup

Department of Geosciences,
Stony Brook University, Stony
Brook, NY 11794, USA

Prof. Dr. Donald Sparks

Delaware Environmental
Institute, University of Delaware,
221 Academy Street, Suite 250
ISE, Newark, DE 19716, USA

Deadline for manuscript
submissions:

closed (3 September 2021)

Message from the Guest Editors

Phosphorous is an essential nutrient for all life on Earth, and in many systems is the limiting nutrient. However, its bioavailability is highly dependent on its chemical speciation. On the other hand, release of P can result in the significant degradation of ground and surface waters...This Special Issue invites papers on all aspects of P in soils and sediments, but especially those addressing its heterogeneity and response to change. Examples include, but are not limited to, the following.

- Application of traditional and novel tools to characterize distribution, speciation, chemistry, bioavailability and leachability of P
- Heterogeneity—spatial, chemical, biological, and temporal—of P in soils and sediments
- Heterogeneity of chemical processes in soil and sediment microenvironments that govern P behavior
- Cycling and fate of P on the micro to global scales
- Effect of rising sea level on P reservoirs in coastal soils and sediments.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut,
University Bayreuth, D-95440
Bayreuth, Germany

Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*Geology*)

Contact Us

Minerals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/minerals
minerals@mdpi.com
[X@Minerals_MDPI/](https://twitter.com/Minerals_MDPI/)