

Special Issue

Zeolite: From a Boiling Stone to the Applicable Minerals in Various Industrial Processes: 2nd Edition

Message from the Guest Editors

Zeolites are well known aluminosilicate minerals with a distinct crystal structure and unique physical as well as chemical characteristics. They have a thermally stable three-dimensional crystal lattice that permits different chemical species to be accommodated within the cavities and channels of the aluminosilicate lattice and on its surface, including atoms, ions, and nanoparticles of different compounds. Zeolites are becoming increasingly popular as environmentally friendly substitutes for a wide range of chemicals and reagents, such as corrosive acids, polymeric adsorbents, catalysts, nanoparticle supports, and medications. Researchers studying zeolites as minerals or their applications in a range of domains (adsorption, agriculture, pharmacy, environmental protection, and catalysis) can publish their most recent findings in this Special Issue and, by promoting their research, also raise awareness of this unusual and beneficial mineral. We are honored to invite you to collaborate on this project and share your most recent research findings with the scientific community in addition to the broader public.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2025)



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About the Journal

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.

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