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Environmental Mineralogy, 2nd Edition

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

"Environmental mineralogy" has developed over the past decade in response to the recognition that minerals are unambiguously linked to not only the local and global ecosystem, but also geoengineering technology, including the disposal of hazardous and radioactive waste, treatment of acid mine drainage and wastewater, capture, and storage of carbon dioxide, construction using cement, slag, and fly ash, and the health effect of minerals. These cases cover the results of cutting-edge scientific research in many areas: (1) kinetics of dissolution, alteration, and formation of minerals; (2) pollutant uptake by and release from minerals; (3) geochemical buffering of acid-base and redox reactions by minerals; and (4) mineral–microbe interactions and so on. In this Special Issue, we seek to assemble a balanced combination of field, laboratory, and computational studies that represent recent advances and the future challenges in this field.

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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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