

Special Issue

Formation, Fate, and Transformation of Toxic Heavy Metal Minerals (U, Pb, As, Cr, Se and Hg) in the Environment

Message from the Guest Editors

Exposure to heavy metals such as lead (Pb), arsenic (As), uranium (U), chromium (Cr), selenium (Se), and mercury (Hg) has long been identified as a threat to human health. Though these threats are known, exposure to toxic heavy metals continues to rise all over the world...Taking into consideration the urgent need for high-quality research on this topic, we would like to introduce a special platform in *Minerals* that welcomes investigations focused on the formation, fate, transformation, and transport of synthesized and natural toxic heavy metal minerals, including research areas in geology, mineralogy, crystal chemistry, environmental toxicology, resource recovery, mineral synthesis, mining legacy, mill tailings, site reclamation, remediation, mining, surface/ground water contamination, biogeochemical reactions, redox transformations, reactions at the soil–water interface, and toxic heavy metal minerals in the air.

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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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