

Special Issue

Study on Nanoparticles in Surface Media of Ore Deposits

Message from the Guest Editors

Research on nanogeoscience has made rapid developments. In particular, nanoparticles in the surface media of ore deposits have been studied in depth. The aim of this Special Issue is to summarize the research results, gain a better insight into the nature behaviour of nanoparticles, and establish the research direction of surface or near surface nano-geochemistry. The topics of interest for publication include, but are not limited to, the following:

- Technology of nanoparticle prospecting for concealed deposits;
- Change law of the composition and structure of nanoparticles from the concealed ore bodies to the surface;
- Nanoparticles in soil gas–solid, animal, plant, groundwater, and other media;
- The size, shape, chemical composition, structure, and biological effects of nanoparticles in surface media;
- The formation and migration of nanoparticles related to concealed ore bodies;
- Capture and test methods of nanoparticles;
- The impact of nanoparticles related to concealed deposits on ecological environment.

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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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