Special Issue

Cement Related Minerals—in Memory of Herbert Pöllmann

Message from the Guest Editors

This Special Issue aims to emphasize the importance of cement related compounds as possible resources for materials development with a reduced carbon footprint and to expand the knowledge of their fundamental properties. Papers with a special focus on the synthesis, formation kinetics, structure, relations, modularity, and isomorphic substitutions of cement-relevant mineral phases are encouraged. Key aspects may include investigations of their behavior and resulting phase transformations at elevated pressure or temperature. Theoretical and experimental works of the fundamental properties of cement minerals are also welcome to this issue. Phases in alternative cement/binder systems, including but not limited to calcium (sulfo)aluminate, magnesium phosphate, and alkali-activated materials, are also welcome. This call includes the application of new approaches and analytical spectroscopic techniques based on the use of both conventional and synchrotron radiation. This Special Issue is dedicated to Prof. Dr. Herbert Pöllmann on the occasion of his unexpected passing.

Guest Editors

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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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