Special Issue

Mineral-Related Oxo-Salts: Synthesis and Structural Crystallography

Message from the Guest Editors

This Special Issue is a tribute to the recently deceased Emeritus Professor of Mineralogy and Crystallography, Dr. Ekkehart Tillmanns. The Special Issue plans to include a representative group of papers in the field of synthesis and structural crystallography of mineral-related oxo-salts. Within the last twenty-five years, there has been ever-increasing activity in the field of systematic treatment of various classes of mineral-like oxo-salts. Their technical use and/or environmental stability is based on their special physical and chemical behavior, which is intrinsically dependent on their crystal structure. Therefore, the idea behind this Special Issue is to identify the most successful synthesis approaches applied to the preparation of the numerous classes of mineral-like oxo-salts. An additional focus of this Special Issue will also be the establishing of the correlation between the preparation conditions and crystal structure on the one hand, and the resulting properties and/or environmental stability on the other. We look forward to receiving your contributions in the form of communications, full articles, or review papers.

Guest Editors

Dr. Tamara Đorđević

Dr. Natalia V. Zubkova

Prof. Dr. Igor Djerdj

Deadline for manuscript submissions

closed (31 August 2023)

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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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

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