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Recent Advances of Hydroxyapatite and Its Applications

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editors

Dear Colleagues,

Calcium phosphates are compounds of substantial interest in interdisciplinary fields of science encompassing chemistry, biology, medicine, and geology. Among the calcium phosphates, hydroxyapatite is the most stable, with several practical applications. It is a crucial material for biomedical applications, owing to its excellent biocompatibility, bioactivity, and osteoconductivity. Hydroxyapatite can also be utilized for various environmental applications, including the removal of organic pollutants, quantitative analysis for the detection of pollutants, and photocatalytic degradation. In the biomedical field, both pure and modified hydroxyapatite are utilized in various forms, such as bioceramics, coatings, dental materials, antimicrobial materials, and vehicles for bioactive compounds. We invite you to submit your recent work on hydroxyapatite and its various applications for publication in our Special Issue.

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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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