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# Modern Raman Spectroscopy of Minerals

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Deadline for manuscript submissions:
**closed (31 January 2020)**

## Message from the Guest Editors

Dear Colleagues,

Raman spectroscopy provides vibrational fingerprints of chemical compounds, enabling their identification via a comparison with reference spectra. This analytical tool has high potential not only in the identification of minerals from natural sources but also for studying the complex microstructure and mineral distribution of both ancient and modern man-made materials, ranging from, e.g., historical ceramics and mortars to modern solar cell materials. In addition to the chemical identity of minerals, Raman spectra are affected by crystal orientations, sub-stoichiometric to stoichiometric compositional changes (e.g., in solid solution series), traces of foreign ions, stress, strain, and crystallinity, enabling a comprehensive physico-chemical characterisation of minerals. This Special Issue includes method developments and applications in the field of modern Raman spectroscopy of minerals in a broad sense, from natural mineral deposits to inorganic phases in materials; covers both spectroscopic and imaging studies; and provides a platform for discussing the possibilities and limits of the technique in the context of the existing analytical arsenal.

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## Editor-in-Chief

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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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