

Special Issue

Colours in Minerals and Rocks, Volume II

Message from the Guest Editors

Colour appears as a result of the interaction between light and matter and is one of the most eye-catching properties of some minerals and rocks. Colours of rocks are basically associated to concentration of colour-bearing minerals. A wavelength-dependable absorption coefficient is responsible for colours in minerals and this depends both on their chemical composition and crystallographic structure. Colour, pleochroism and interference colour are fundamental properties observable using a petrographic microscope. There are also a number of techniques specifically aimed at colour characterisation and related properties, including colorimetry, UV-VIS spectroscopy or multispectral photogrammetry. The first Special Issue volume on this subject was successful compiled, featuring several papers, particularly in the fields of gemology and archaeometry. We are now accepting submissions dealing with applications of the colour characterization of minerals in gemology, heritage materials, pigments for modern paints, pigments in ceramics, decorated glazes, stained glasses, decorative building stones, colourful rock formations, etc.

Guest Editors

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Deadline for manuscript submissions

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).