

Special Issue

Petrography of Construction Materials: Compositional, Mineralogical and Textural Features

Message from the Guest Editor

Natural and man-made construction materials have been used from many centuries. Indeed, aggregates, cements, mortars, concretes, bricks, tiles, or, in general, any rock-like ceramic are, by far, the most processed and exploited materials by man. Appearance, provenance, fabrication, strength, durability, insulation, failure, uses, etc., or, in general, peculiarities and macroscopic physico-chemical properties of building materials rely on three main aspects of their constituting phases: i) chemical composition (bulk and micro) or geochemistry, ii) crystalline and non-crystalline attributes, i.e., mineralogy, and iii) size, shape, distribution, orientation, etc., of particles and voids, i.e., textures. [...] This Special Issue intends to unite researchers and experts using petrographic methods on the investigation of ancient and modern construction materials, as well as their wastes labelled CDW (construction and demolition wastes).

Guest Editor

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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 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).