Special Issue

Natural and Artificial Building Stones: Insights from Petrophysical Properties and Consolidation Procedures

Message from the Guest Editors

The great variety of types of natural stone and their availability have favored their wide use both in monuments and in historical and new buildings. However, each variety has characteristic properties, such as its mineralogy, texture, or structures, that ultimately determine their qualities or funtionalities as construction materials. On the other hand, artificial stones are becoming more frequent because they can be lighter or cheaper than natural stone, as well as having specific characteristics on demand. For these reasons, it is important to know their behavior and durability. In the same way, the development of new consolidating products has grown exponentially. Despite this, the behavior of these products is still open to debate. This Issue welcomes contributions both on the characterization of building stones by classic approaches in the laboratory and in the field, including novel insights through new techniques, as well as innovative products and procedures for the consolidation, in order to contribute to the understanding of the mechanisms and conditions that limit the durability of any building stones.

Guest Editors

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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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