Special Issue

Archaeological Ceramic Diagenesis

Message from the Guest Editor

The potential for post-burial conditions to alter the mineralogical and elemental composition of archaeological ceramics was noted in some of the earliest compositional analyses by petrography and chemistry. Yet, many such studies still do not address this potential, assuming that observed and measured composition reflects that which was present at the time of production. Several decades of research have examined in detail the potential for elemental leaching, recrystallization of mineral phases, and the impacts of initial composition and firing temperature and different burial environments on the environmental stability of archaeological ceramics. This Special Issue brings together experts in both elemental and mineralogical studies of ancient pottery to provide an up-to-date overview of the processes of post-burial alteration that archaeological ceramicists should take into account during their compositional studies.

Guest Editor

Dr. Mark Golitko Department of Anthropology, University of Notre Dame, Notre Dame, IN, USA

Deadline for manuscript submissions

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Minerals Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 minerals@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

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