Special Issue

Volcaniclastic Sedimentation in Deep-Water Basins

Message from the Guest Editors

Origin and way of transport of volcaniclastic (vol.) particles (par.) through the environments are more than those concerning sedimentary (sed.) par., considering that vol. particles might be produced and transported by volcanic mechanisms during explosive eruptions. When the transport agent is volcanic, par. would travel wrapped into a hot gas medium that, in contact with water, would react giving rise to a multiple spectrum of depositional features that result in the obliteration of the vol. origin of par. Consequent to an eruptive event, large dispersal deposits could enter the sediments' routing system, giving rise to a series of vol. and non-vol. beds. In other cases, vol. beds are the results of erosion, transportation and accumulation of par. from volcanic terranes to depocenters. This Special Issue aims to bring together works on deep-water vol. sedimentation in sed. basins, focusing on impact of volcanic eruptions on sea-floor sed. architectures, reconstruction of eruptive series from deep-water sediments, reconstruction of vol. architectures from seismic data, provenance analyses on tephra fallout deposits recovered in deep-marine realms, etc.

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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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