

Special Issue

Sedimentology and Palaeontology of the Continental to Transitional Environments in Italy and Adjacent Areas: State of the Art and Perspectives

Message from the Guest Editors

Continental to transitional successions are geologically meaningful, although often neglected in comparison with marine sequences. In Italy, these successions mark important turning points in the geological and biological history and evidence the different evolution of the Laurasian/European and Gondwana/African plates through time. Continental to transitional successions are present throughout the entire stratigraphic record but appear in the sub-areas during different time intervals...Investigations of the detrital fraction help to identify the biases in the sedimentary record due to erosion. Monitoring compositional, climatic, and tectonic aspects allows distinguishing between autocyclic and allocyclic controls of the sedimentation and assessing the relative roles of eustasy, tectonics, climate, and sediment supply. Thus, understanding the sedimentary and paleontological evolution of the Italian continental successions is important. This volume will provide a picture of the state of the art on the study of these successions, showing their immense potential for future studies.

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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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