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Nota di contenuto	Petrography and geochemistry of amphibolites and granitoids from the Eteke gold district, southern Gabon: Origin and geodynamic setting -- Isotopic signature of lead in metalliferous deposits at the western front of the Tunisian thrust domain: Metals source and mineralization timing in the Chouichia, Ain El Bey, Kef El Agueb and Jebel Hallouf-Sidi Bouaouane deposits -- A Preliminary Study on hidden Ni mineralization and associated gold in the Inguijem-Ait Ahmane serpentinite, Bou Azzer ophiolite, Morocco: Geodynamic implications -- Trace element composition of apatite in rocks subjected to various facies of metamorphism (Subpolar Urals) -- Petrogenesis and geochemical characterization of mafic magmatic rocks from the Central Indian

Tectonic Zone (CITZ): Insights into crustal evolution -- Unveiling the geophysical and petrographic signatures of Sidi Bou Othmane pegmatites (central Jebilet): a preliminary study on their geodynamic and metallogenic features -- Mineralogy of the Kapoeta meteorite as determined by micro-Raman spectroscopy -- Hydrothermal minerals formed by deposition from the plume in the Pobeda ore cluster sediments -- Mineralogical studies of porphyry copper deposits to replenish the mineral resource base -- Black organic dolomites and shales of Uzbekistan contain precious and other metals -- Carbon and oxygen isotope variations within carbonate lithofacies: An example from the Early Triassic Lower Mahil Formation (Upper Khuff-equivalent) of Al Jabal Al-Akhdar, North Oman, Sultanate of Oman -- Mineralogical characterization of the Eocene clays in the Ghoufi region " Saharan Atlas" Algeria -- Clay Minerals Identification in the Middle and Lower Gharif Formation of West Central Oman Using Spectral Gamma Ray -- Rock magnetic properties of Manganese wad sediments: Case study of the Komanoyu hot springs, Hokkaido, Japan -- The porphyritic, epithermal and metasomatic mineral assemblages associated with post-magmatic alteration processes at Oued Belif, NW Tunisia -- Volcanic island indoor dust and the potential human health impacts -- Microstructural, textural, and physical characteristics of volcanic rocks from Fogo volcano – S. Miguel Island (Azores), Portugal.

Sommario/riassunto

This book is based on the accepted papers for presentation at the 3rd MedGU Annual Meeting, Istanbul 2023. With four parts spanning a large spectrum of geological and geophysical topics, this book presents a series of newest research studies that are nowadays relevant to Middle East, Mediterranean region, and Africa. The book covers various topics from the fields of (1) sedimentology, stratigraphy, paleontology, (2) geochemistry, mineralogy, petrology, volcanology, (3) structural geology, tectonics, geodynamics, petroleum geology, (4) petroleum and energy sciences and engineering, (5) astrogeology, impact craters and meteorites, and (6) climate and sea-level change during the Cenomanian-Turonian Anoxic Event: Synthesis of sedimentological, micropaleontological and geochemical records. The content of these papers provides new scientific knowledge for further understanding on landslides, new stabilization techniques, importance of geophysics for engineering geology investigations as well as new empirical approaches for easily predicting some physical and hydrogeomechanical properties of geomaterials.
