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## Advances in Sedimentology and Coastal and Marine Geology

**Edited by: Gemma Aiello**

Paper 1 is an Editorial article introducing the volume, while Paper 2 examines the seismo-stratigraphic framework of the concealed Somma–Vesuvius volcano. The Third Paper presents a new technique for estimating the undrained shear strength of marine soil derived from CPTU tests (piezocone penetration tests), while Article 4 examines the submarine volcanic activity within the Sicily Channel, specifically in the eastern part of the Adventure Plateau. Article 5 discusses the coastal geomorphology and sedimentology of the sandy shores in Zhejiang Province (Eastern China), while Article 6 addresses marine geotechnical problems. Article 7 examined the mud region off the northern section of the Shandong Peninsula, illustrating a source-to-sink system in China's continental shelf, while Paper 8 examined the sedimentary dynamics in the lower sections of the Changhua River and its estuary on Hainan Island. Paper 9 addresses the morpho-bathymetric and structural configuration of the Central Indian Ocean Basin, especially the intraplate deformation zone, which features a block structure. Article 10 in this Special Issue discusses the Late Ordovician mass extinction resulting from anoxic events. Geochemical indicators were utilized to rebuild the event stratigraphy during the Late Ordovician era. Article 11 offers seismo-stratigraphic data and geological insights regarding the infilling of the Volturno basin in connection with the Massico structure.



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