

# Handbook of Research on Trends and Digital Advances in Engineering Geology

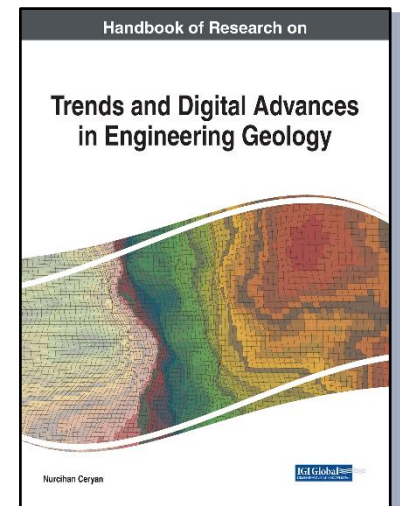
Part of the Advances in Civil and Industrial Engineering Book Series

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## Description:

Engineering geologists face the task of addressing geological factors that can affect planning with little time and with few resources. A solution is using the right tools to save time searching for answers and devote attention to making critical engineering decisions.

The **Handbook of Research on Trends and Digital Advances in Engineering Geology** is an essential reference source for the latest research on new trends, technology, and computational methods that can model engineering phenomena automatically. Featuring exhaustive coverage on a broad range of topics and perspectives such as acoustic energy, landslide mapping, and natural hazards, this publication is ideally designed for academic scientists, industry and applied researchers, and policy and decision makers seeking current research on new tools to aid in timely decision-making of critical engineering situations.



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## Topics Covered:

- Acoustic Energy
- Excavatability Assessment
- Intelligent Models
- Landslide Mapping
- Natural Hazards
- Slope Stability
- Soil Liquefaction
- Surface Rupture Microzonation
- Tunneling
- Urban Planning

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