



*buildings*



*Special Issue Reprint*

## **Building Foundation Analysis**

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This Special Issue of the *Buildings* journal, titled “Building Foundation Analysis: Soil–Structure Interaction”, presents cutting-edge research on the critical interface between subsurface conditions and structural foundations. Featuring 11 peer-reviewed articles from international experts, this collection addresses advanced numerical modeling techniques, case studies of foundation failures, innovative monitoring technologies, and sustainable design approaches for challenging soil conditions. The papers collectively advance our understanding of load transfer mechanisms, seismic interactions, and climate change adaptive foundations, providing both theoretical frameworks and practical solutions for geotechnical engineers and structural designers. This compilation serves as an essential reference for academics and practitioners working at the intersection of geotechnics and structural engineering.



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