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Advances in Natural Rocks and Their Composite Materials

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Message from the Guest Editors

The materials used in civil engineering construction are complex, involving natural and composite materials like rock and concrete, etc. As foundational materials, rocks and their composite materials significantly influence various domains of human existence. Exploring the mechanical attributes and applications of rocks and their composite materials holds the utmost significance in ensuring the security, efficiency, and sustainability of various engineering, construction, and environmental endeavors.

From within this context we would like to announce the inauguration of a Special Issue devoted to exploring "Advances in natural rocks and their composite materials". Contributions are encouraged across various domains, including inventive testing instruments and methodologies, the characterization of mechanical attributes in rocks and their composite materials, advanced theoretical analyses rooted in mechanics, state-of-the-art numerical simulations and applications of intelligent algorithms, innovative engineering approaches to tackle rock mass challenges, and forward-looking techniques for anticipating and mitigating engineering disasters.



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Special Issue



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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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