

Special Issue

Construction Materials and Other Related Materials: Basic Theory, Applied Technology and Advanced Research Methods (2nd Edition)

Message from the Guest Editors

The development of science and technology has led to the crossover and diversification of disciplines, which in turn have promoted the fabrication of new technologies and techniques to produce construction materials. The research on construction materials primarily focuses on high-tech development based on the theoretical and applied principles of mechanics and related disciplines, allowing us to better solve engineering problems and refine novel ideas, principles, and methods with multidisciplinary characteristics. The study of the mechanical properties of construction materials has been cross-developed with modern engineering science and technology, which forms the basis of aviation and aerospace, machinery, automation technology, materials and processing, and biomedical materials science, with broad complexity and diversity, reflecting its interdisciplinary development nature as well as its fundamental role in solving major engineering and technology problems. We cordially invite you to submit your manuscripts to this Special Issue.

Guest Editors

Prof. Dr. Youliang Chen

Prof. Dr. Rafiq Azzam

Prof. Dr. Tomas Manuel Fernandez-Steeger

Prof. Dr. Bin Peng

Deadline for manuscript submissions

closed (20 August 2025)



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About the Journal

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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