

## Special Issue

# Advances in Modern Structural Engineering: From Materials to Building Structures

### Message from the Guest Editors

This Special Issue aims to capture and disseminate the latest research advancements that are reshaping the building structures. It serves as a platform for experts and scholars to explore the intricate interplay between advancements in materials science and their applications in building structures. It highlights the transformative impact of novel materials, such as high-performance concrete, metals, bio-based materials, and smart materials, on the design, performance, and durability of structures. This Special Issue also focuses on the innovations of building structures, such as fabricated and modular structures, steel structures, composite structures, bio-based structures, etc. The contributions within this Special Issue pave the way for groundbreaking advancements in modern structural engineering, ultimately contributing to the development of safer, more efficient, and environmentally friendly materials and buildings. You may choose our [Joint Special Issue](#) in *Buildings*.

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### Guest Editors

Prof. Dr. Zhihua Chen

Prof. Dr. Yiyi Zhou

Prof. Dr. Hongbo Liu

Prof. Dr. Hai Zhang

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### Deadline for manuscript submissions

closed (25 August 2025)



## Materials

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## About the Journal

### Message from the Editorial Board

*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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