

# JOM Call for papers

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## ***Biological and Bio-Inspired Structural Materials***

Structural materials are critical for many applications ranging from construction, transportation, aerospace, and more. Natural organisms also need to solve their structural material challenges for functions such as body support, locomotion, protection, etc. Despite significant constraints (synthesis conditions and material choices), biological structural materials often exhibit remarkable mechanical properties resulting from their hierarchical structural designs. Learning from these materials holds immense promise for advancing structural materials. This special topic welcomes submissions of theoretical, computational, and experimental studies of biological and bio-inspired structural materials to showcase the latest progress for harnessing nature's design principles for sustainable material.

Original research papers should be 3,000-9,000 words with up to 12 figures maximum; review papers should be 6,000-11,000 words with up to 20 figures maximum.

Detailed author instructions are available at:  
<http://www.tms.org/AuthorTools/>

**Keywords for this topic:** **Advanced Materials; BioMaterials; Characterization; Mechanical Properties; Modeling and Simulation; Bio-Inspired Materials**

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