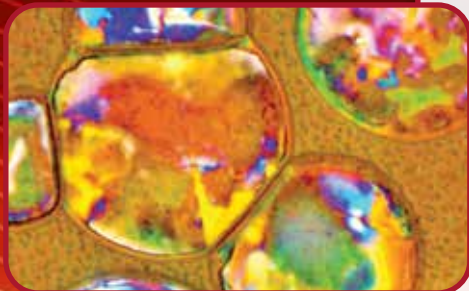


# JOM Call for papers

An official publication of The Minerals, Metals & Materials Society



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**Manuscript Deadline:** *January 1, 2025*

## ***Advancing Biomaterial Surfaces: Experimental and Simulation Studies***

The future of healthcare relies on advanced biomaterials facilitating seamless interaction with the human body, employing techniques such as additive manufacturing, plasma and laser treatments, or photografting to enhance biomaterial surfaces for improved biocompatibility. Additionally, methods like FEM, DEM, MD, and DFT are utilized for modelling these processes. The integration of manufacturing techniques coupled with advanced simulation methods, propels the refinement of biomaterial surfaces for enhanced biocompatibility and medical efficacy. This special topic invites submissions encompassing experimental and simulation studies aimed at refining biomaterial surfaces, pivotal for advancing medical treatments.

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:** **Computational Materials Science & Engineering; Surface Modification and Coatings; Thin Films and Interfaces**

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