

**Call for Papers****Special Issue Focus on Advanced Materials Manufacturing**

Advanced materials manufacturing (AM<sup>2</sup>) has emerged as an evolving technology of significant commercial importance. For this reason, ASM International's *Journal of Materials Engineering and Performance (JMPEP)* will publish a special issue in early 2025 focusing on AM<sup>2</sup>. This special issue will focus on how the Pillars of Industry 4.0 are enhancing the processing, microstructure, properties, and performance of materials and how materials performance is being improved through the use of advanced manufacturing, artificial intelligence, data analytics, simulation, cloud computing, collaborative robotics, and systems integration. Topic areas include, but are not limited to, energy, environment, transportation, electronic, functional & medical materials and devices, and data management.

The AM<sup>2</sup> community is invited to submit manuscripts for review and potential publication in this special issue. The journal publishes only original research of high technical value and is focused on materials. Submitted manuscripts will be subject to the journal's normal rigorous peer review process and must be accepted by the reviewers and editors to be included in this special issue. A renowned cadre of Guest Editors having significant expertise and experience in AM have been enlisted to expedite the review process.

**Guest Editors:**

Antonello Astarita  
Glenn S. Daehn  
Emily Kinser  
Govindarajan Muralidharan  
John Shingledecker  
Le Zhou

**Potential authors are highly encouraged to submit an abstract to Dr. William Frazier (frazierwe@gmail.com) for consideration and comment prior to preparation of a full manuscript.**

**Abstract submission: March 29, 2024**

**Manuscript submission deadline: June 28, 2024**

JMPEP submission procedures and advice on preparing your manuscript can be found under the heading "Submission Guidelines" using the following link:

<http://www.springer.com/materials/characterization+%26+evaluation/journal/11665>

Please indicate in your cover letter that you are submitting a contribution to the special issue on "Advance Materials Manufacturing."

For further information please contact:

William E. Frazier, PhD, FASM  
Editor, JMPEP  
frazierwe@gmail.com

**Editor-in-Chief**  
Rajiv Asthana

**Editor**  
William E. Frazier

**Associate Editors**  
Omar S. Es-Said  
Eui Lee  
John Tartaglia