

## Special Issue

# Lattice Structures

### Message from the Guest Editor

Additive manufacturing technologies are increasingly applied across various industries. Known for its high design freedom, this process enables lightweight construction—such as in aerospace—and functional integration across industries. Additive manufacturing is crucial for the fabrication and industrial application of open-celled and closed-celled cellular lattice structures (strut-based and surface-based). These structures offer significant potential for lightweight design, with improved stiffness-to-weight ratios and reduced build times. This Special Issue invites papers on all areas of research related to lattice structures, including structural mechanics, design, simulation, modeling, manufacturing, optimization, experimental studies, and process control. Interdisciplinary contributions addressing multiple topics are especially welcome. Case studies on lattice structure applications are also encouraged. Emphasis is placed on papers exploring lattice structures in composite science.

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### Guest Editor

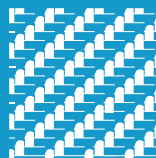
Prof. Dr. Christian Mittelstedt

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### Deadline for manuscript submissions

30 November 2025



## Journal of Composites Science

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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