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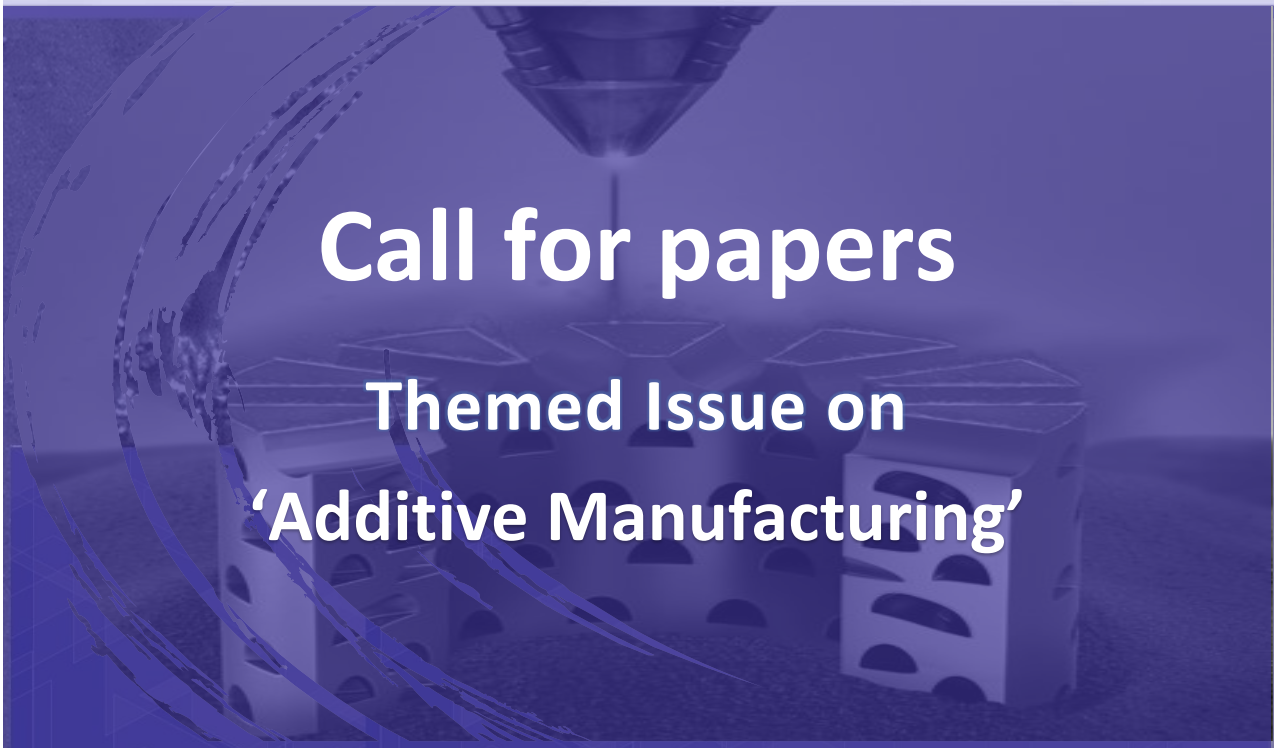

Call for papers

Themed Issue on

'Additive Manufacturing'

Guest Editors:

- Prof. Sami Chatti, LGM, ENIM, Université de Monastir, Tunisie
- Prof. Wacef Ben Salem, LGM, ISSAT_MH, Université de Monastir, Tunisie
- Prof. Farhat Ghanem, LMMP, ENSIT, Université de Tunis, Tunisie
- Prof. Naoufel Ben Moussa, LMMP, ENSIT, Université de Tunis, Tunisie
- Prof. Guénaël Germain, LAMPA, ENSAM, Campus d'Angers, France

Background

Additive Manufacturing (AM) has grown in importance in the last two decades. AM has proven its potential in producing lightweight metal and plastic parts of high geometrical complexity and improved properties. Unlike conventional manufacturing, this technique can simply print a part given its three-dimensional (3D) Computer-Aided Design (CAD). It consists of adding materials layer by layer the final product height has been reached without material or energy waste. Its advantages and economic features have made it possible to extend AM applications from rapid prototyping to the production of end-use goods. Furthermore, AM has evolved to cover a larger scope of materials beyond the fabrication of polymers, thus including ceramics and metallic materials, with application areas such as medical, dental, automotive, aerospace, construction and even jewellery fabrication. These features have attracted the attention of the industrial sector as well as of researchers and boosted academic publications.

This special issue aims at recent advancements in Additive Manufacturing, with topics including product design, process development, process simulation, material microstructure, and analysis of influencing parameters.

Selected papers from The Scientific and Technical Days in Mechanics and Materials (JSTMM), hold in December 2022 in Monastir, Tunisia, if accepted after the peer-review, will be published in this special issue.

Aim and Scope of the Themed Issue

This themed issue addresses original research and review articles that contribute to advancing the state-of-the-art of Additive Manufacturing. The special volume targets the recent theoretical and experimental developments in AM and aims to foster collaborative works among researchers and engineers from academia and industry. The scope of this special issue includes, but is not limited to:

- Plastic additive manufacturing
- Metallic additive manufacturing
- Materials for Additive Manufacturing
- Properties of materials processed by AM
- Characterization of AM materials
- AM mechanisms, simulation, and modelling
- AM technologies
- AM applications
- AM Influencing parameters
- AM post-processing
- AM-based welding processes
- Experimental investigations of AM
- Numerical investigations of AM
- Design and redesign for AM
- Industrial and economic case studies of AM
- Environmental and ecological aspects of AM

The papers will be based on the selected communications presented during The Scientific and Technical Days in Mechanics and Materials (JSTMM), organized in Monastir from December 20 to 21, 2022. The submissions will undergo the usual peer-review process of the journal.

Submissions

All relevant papers can be submitted either in English or in French (in this last case, the title and abstract must also be provided in English). The papers will be carefully considered, peer-reviewed by a distinguished team of international experts, and published in accordance to the Journal's standard policies. Full research papers and review articles can be submitted online via the journal's submission and peer review site. When registering, please choose the special issue 'Additive Manufacturing'.

Article submission and editorial system **here**.

Please find the instructions for authors at: **https://www.mattech-journal.org/author-information/instructions-for-authors.**

Submission deadline – August 31, 2023

Charges

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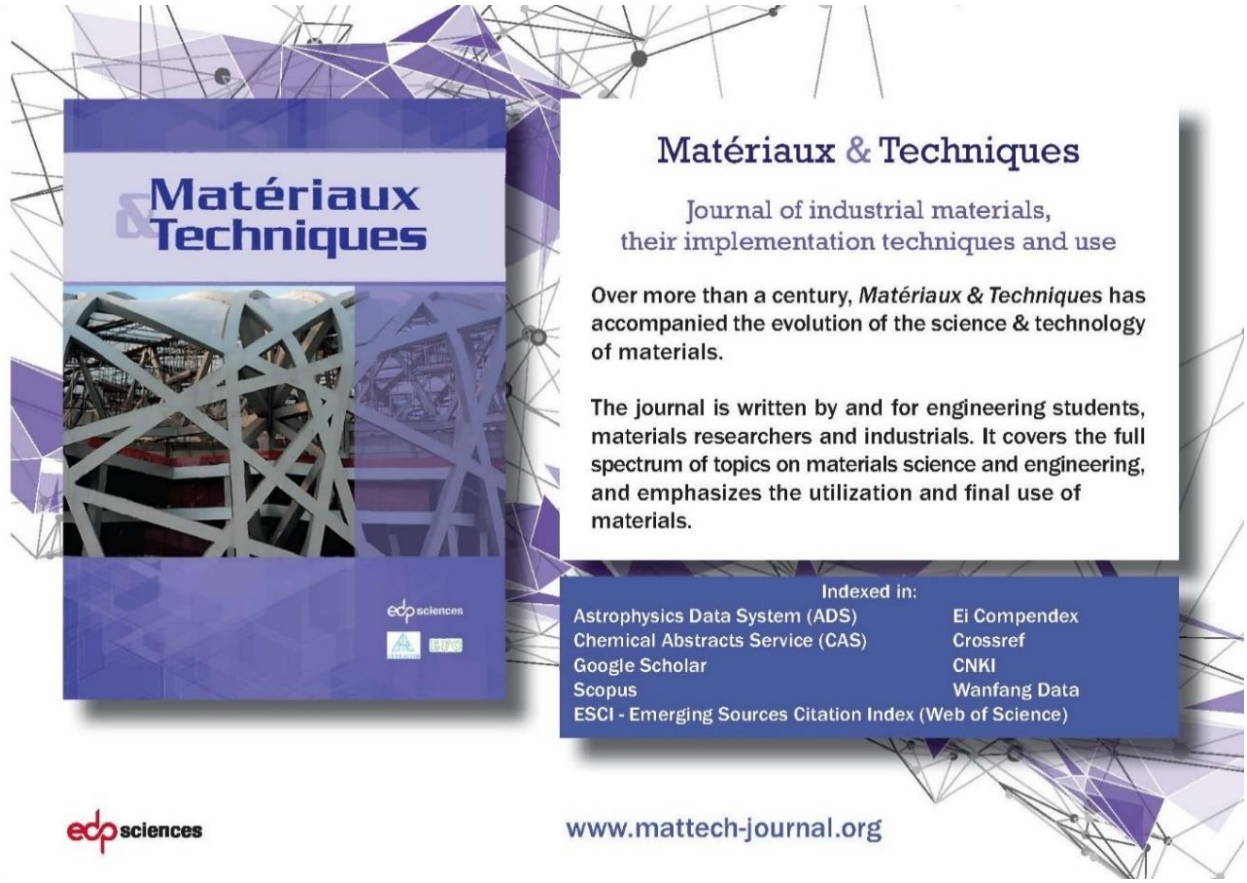

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