Special Issue

Green Heat Transfer: Towards Sustainable Manufacturing of Advanced Thermal Technologies

Message from the Guest Editors

This Special Collection aims to explore the state-of-the-art research and advancements that align with these goals, fostering a paradigm shift towards eco-friendly solutions in thermal management technologies. **Topics of interest for this Special Collection include, but are not limited to, the following:**

- Green Manufacturing: Sustainable production methods reducing energy and material waste;
- Life Cycle Assessment: Environmental impact evaluations of thermal systems;
- Circular Economy: Reusable and recyclable material strategies;
- Energy Efficiency: Optimising heat transfer with minimal environmental impact;
- Eco-Friendly Coolants: Development of sustainable fluids, including nanofluids;
- Design Optimisation: Morphological and surface enhancements for sustainable performance;
- AI and Industry 4.0: Leveraging Artificial Intelligence and IoT for system optimisation;
- Renewable Energy Applications: Thermal management in solar, wind, and other systems;
- Additive Manufacturing: Resource-efficient 3D printing for thermal technologies;
- Sustainability Analysis: Balancing performance, cost, and environmental impact.

Guest Editors

Prof. Dr. Hongwei Wu

School of Physics, Engineering and Computer Science, University of Hertfordshire, Hatfield AL10 9AB, UK

Dr. Mohammad Harris

School of Physics, Engineering and Computer Science, University of Hertfordshire, Hatfield, UK

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Journal of Manufacturing and Materials Processing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmmp@mdpi.com

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Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (*JMMP*)(ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP.*

Editor-in-Chief

Prof. Dr. Steven Y. Liang
George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, Atlanta, GA 30332-0405, USA

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