

Special Issue

Microwave Processing of Materials: A Sustainable Manufacturing Approach

Message from the Guest Editors

Microwave heating technology has been used in many applications over the last decades as a promising technology due to its excellent prospects and material gains. This Special Issue aims to collect original contributions addressing all relevant aspects of developing materials and microwave-driven technologies and their applications. Papers reporting a close relationship between structure, morphology, and physical properties are welcome. Reviews and unpublished advances on any aspect of these topics are also invited, including but not limited to:

- Development of microwave heating technologies;
- Sustainability, carbon footprint, and life-cycle assessment of microwave-processed materials;
- Evaluation of properties (mechanical, thermal, dielectric, acoustic, etc.) of microwave-processed and unprocessed materials;
- New microwave solutions as a sustainable alternative in all fields of knowledge;
- Numerical simulations explaining experimental observations;
- Industrial applications.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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