

Special Issue

Recent Developments in Research on Porous Metals and Foamed Metals

Message from the Guest Editors

Metallic foams have a combination of properties that make them attractive in different engineering applications. These foams are now among the highly reputable technological developments in automotive, aerospace, and any other weight-related industries. Various methods are used to form metallic foams; however, the main issue in their process is the placement of air cells or any other gaseous pockets within the metal structure. Due to these gaseous regions, the weight of the foamed components is drastically lower compared to components made by traditional processing methods such as casting. In this Special Issue, we welcome articles on the subject of metallic foams. The focus can be on the processing stage, the morphological structure, the final properties of metallic foams, the applications of these materials, or a combination of these aspects.

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About the Journal

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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