



## Product Development in Net-Shape Metal Powder Technologies

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

Metal powder net-shape and near net-shape technologies are increasingly generating interest, as they allow producing parts as close as possible to their final shape, eliminating or reducing secondary operations, and consequently reducing scrap, costs, time to market, and the environmental impact. Among them, press and sinter, metal injection molding, and recently, metal additive manufacturing are attractive to a huge market. Moreover, aiming at obtaining parts as close as possible to their final shape, dimensional and geometrical control is a crucial aspect to be considered in the design step. In addition, the parameters of the metallurgical process must be carefully defined, since they strongly affect the final microstructure and the onset of distortions, residual stresses and different types of localized or diffuse defects.

This Special Issue invites papers concerned with product development in net-shape and near net-shape metal powder technologies from different points of view, considering the whole life-cycle of the products, and the need for collaboratively evaluating the many different variables affecting the characteristics of the final product.





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## 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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