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Materials Sintering

Guest Editor:

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Deadline for manuscript submissions:
closed (30 June 2021)

Message from the Guest Editor

Dear Colleagues,

From the first quantitative relations in the 1940s up to the present, sintering science and technology applied to the thermal consolidation of powdered materials have shown considerable development. This has been driven by the understanding and control of the microstructure evolution, assisted by attempts on modeling the complexity of systems undergoing sintering. From micrometeric to nanometeric powder particles, 3D to 2D parts, conventional to alternative sintering techniques assisted by pressure and electrical fields, laser sintering, and cold sintering, among others, there is a continuous progress with new insights to get a more predictable, controlled, and sustainable process.

Dissemination of knowledge with sharing of new and breakthrough ideas has a key role in the progress of sintering, and this Special Issue aims at joining innovative and fostering contributions on the sintering of materials of diverse nature (metals, ceramics, composites), experimental studies with modeling contributions being largely welcome, as well as new sintering techniques and the relation of microstructure features and properties.

Prof. Dr. Ana Senos
Guest Editor

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Message from the Editor-in-Chief

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