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Sintering Phenomena and Microstructural Control

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

Sintering is a solidification technique by which powder can be compacted with energy, in particular thermal energy but also light and electric.

Densification, grain growth, and microstructure change are phenomena that commonly occur when sintering inorganic materials, including metals, ceramics, and their composites, in related industrial applications. The sintering process originally transported the atoms in the materials by decreasing the interface energy.

The purpose of the Special Issue is to reveal and share current efforts concerning sintering and its related properties. This Special Issue covers, but is not limited to, the following topics:

- surface/grain boundary and interface structure;

- densification and related phenomena;

- microstructure development;

- computer simulation and modeling of grain growth and microstructural development;

- other microstructure-related topics.

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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.

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