

## Special Issue

# Spark Plasma Sintered Materials with Advanced Properties

### Message from the Guest Editors

One of the approaches that allows obtaining a wide range of materials—metals, alloys, ceramics, and composites—is powder metallurgy (PM). Its advantage is the possibility of obtaining products that are difficult or impossible to obtain using other technological methods; for example, composites from completely immiscible metals such as Cu/Cr and W/Cu, hard alloys, and ultra-high temperature ceramics. An important stage of the PM technological process is sintering, which gives a material its final strength. An important issue at this stage is the possibility to control the structure of any produced material and, consequently, its properties. We cordially invite you to submit your contribution to this issue, for which the topics of interest include but are not limited to the following:

- Structure and properties of materials after SPS;
- Materials with advanced mechanical, thermal, and conductive properties obtained by SPS;
- Comparative studies of materials obtained by various SPS methods: conventional, reactive, flash.
- Spark plasma sintering kinetics

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2023)



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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