

## Special Issue

# Novel Materials Synthesis by Mechanical Alloying/Milling

### Message from the Guest Editors

The mechanical alloying/milling (MA/MM) technique has been applied to the production of advanced materials. In this Special Issue, the main objective is to present recent results of the synthesis of new materials with mechanical and/or functional improved properties. The materials are produced directly by mechanical alloying/milling or by combining this technique with other synthesis techniques in order to produce bulk alloys, composites, surface layers, or foams. Likewise, production parameters determine the final microstructure of the powdered materials developed by mechanical alloying. This Special Issue is also open to the following articles linked to MA/MM: (a) the simulation, (b) the mechanical and/or thermodynamic modelling of the process, (c) the influence of milling parameters, (d) a comparison of milling devices, (e) a comparison between the microstructure and properties of materials produced by mechanical alloying/milling or by other techniques, or (f) review papers on an specific topic, which take into account that the objective of the technique is its application to the synthesis of materials.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2021)



## Materials

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## About the Journal

### Message from the Editor-in-Chief

*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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