

## Special Issue

# Future Trends in Advanced Materials and Processes

### Message from the Guest Editor

This Special Issue will contain original high-quality research papers covering the most recent advances in materials properties, as well as comprehensive reviews addressing the relevant state-of-the-art topics in the area of materials processing, with relevant practical applications. In particular, the topics of interest include, but are not limited to:

- Mechanical coating/alloying/treatment of the metallic and non-metallic materials;
- Thermo/chemical treatment of the metallic and non-metallic materials;
- Nonconventional treatment applied to materials, such as: thermo/mechanical coating, including machining (electrochemical/abrasive), shot blasting or peening;
- Biomaterials coatings applied on, but not limited to, Ti-based alloys, CoCr alloys, stainless steels.

In advance, we would like to gratefully acknowledge the authors and reviewers who will participate in the elaboration of this Special Issue, who will contribute to the development of the research on nanocolloids.

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### Guest Editor

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### Deadline for manuscript submissions

closed (15 June 2022)



## 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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### Editor-in-Chief

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