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## Microstructural, Electrical and Mechanical Characterization of Nanocomposites

Guest Editor:

**Dr. Fernando Gomes Souza Junior**

Biopolymers&Sensors Lab.,  
Macromolecules Institute,  
Universidade Federal do Rio de  
Janeiro, Rio de Janeiro, Brazil

Deadline for manuscript  
submissions:

**20 July 2024**

### Message from the Guest Editor

Dear Colleagues,

We are thrilled to introduce the new Special Issue "Microstructural, Electrical and Mechanical Characterization of Nanocomposites" in MDPI journal *Materials*. As Guest Editors, our primary aim is to delve into the recent innovations and burgeoning trends within the realm of nanocomposites.

The Issue encapsulates diverse topics such as:

1. Mechanical behavior and peak hardness of nanocomposites.
2. Effects of microstructural alterations on nanocomposite properties.
3. Nanocomposites' compressive yield strengths and textures.
4. High-precision characterization of mechanical attributes.
5. Influence of crystallinity on nanocomposite performance.
6. Implications of nanocomposites' impact behaviors.
7. Biomedical applications of nanocomposite materials.
8. Data mining in the context of nanocomposite research.



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We welcome contributions that touch upon these themes or related fields. Authors are invited to submit their groundbreaking research findings, novel methodologies, theoretical studies, and experimental investigations. Original research papers, reviews, and case studies that provide valuable insights into nanocomposites are highly

# Special Issue



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**Prof. Dr. Maryam Tabrizian**

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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### 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.

### Contact Us

Materials Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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