# Special Issue

# Polymeric Nanocomposites or Functional Polymers for Flexible Sensor

## Message from the Guest Editor

This Special Issue aims to underscore the polymeric nanocomposites used for designing a particular system, including the network protocols and different types of activities being monitored and highlight the various types and unique properties of polymeric nanocomposites, along with specific examples of their applications in electronic sensors. We hope that this Special Issue will provide fundamental knowledge of using polymeric nanocomposites in flexible sensor technologies. The main topics are as follows:

- Preparation, formation, and synthesis of polymer nanocomposites;
- Physical and chemical properties of nanostructured polymers;
- Fabrication methods of the polymeric nanocomposites for biosensors;
- Chemical and physical surface modification of polymeric nanocomposites;
- Next-generation polymeric nanocomposites-based flexible sensor;
- Integration process of polymeric nanocomposites-based biosensors into smart devices and their point-of-care test;
- Polymer nanocomposites in future biomedical application;
- Multi-functional polymer-based nanocomposites;
- Advanced polymer composites for electrical applications.

## Guest Editor

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## Deadline for manuscript submissions

closed (20 March 2024)

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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.

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