



an Open Access Journal by MDPI

## Nanomaterials with Functional Polymer Elements

Guest Editors:

**Dr. Nghia P. Truong**

**Dr. Mikey Whittaker**

**Dr. John Quinn**

Deadline for manuscript  
submissions:

**closed (31 May 2018)**

### Message from the Guest Editors

The application of advanced polymer synthesis techniques have enabled the preparation of a wide array of functional nanomaterials. These techniques have yielded a broad suite of polymeric nanomaterials that have found applications in a variety of industries and research fields. In addition, the combination of functional polymers (e.g., stimuli-responsive, anti-fouling, biocompatible, antimicrobial, etc.) with nanostructured materials (e.g., iron oxide nanoparticles, graphene, carbon nanotubes, etc.) leads to novel hybrid nanomaterials with desirable physicochemical properties. In this Special Issue of *Nanomaterials*, we will highlight cutting-edge research on the topic of “Nanomaterials with Functional Polymer Elements”. In particular, this Special Issue will feature new developments in the synthesis, characterization and application of all polymeric nanomaterials and polymer-functionalized nanoparticles provided functional polymers are the key elements. We look forward to receiving your contribution to this exciting Special Issue of *Nanomaterials*.



[mdpi.com/si/9850](http://mdpi.com/si/9850)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Shirley Chiang

Department of Physics, University  
of California Davis, One Shields  
Avenue, Davis, CA 95616-5270,  
USA

## Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (General Chemical Engineering)

## Contact Us

---

*Nanomaterials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/nanomaterials](http://mdpi.com/journal/nanomaterials)  
[nanomaterials@mdpi.com](mailto:nanomaterials@mdpi.com)  
[X@nano\\_mdpi](https://x.com/nano_mdpi)