



## Progress in Electrospun Nanofibers and Nanocomposites

Guest Editor:

**Prof. Dr. Carmen García-Payo**

Department of Structure of Matter, Thermal Physics and Electronics, Faculty of Physics, University Complutense of Madrid, Avda. Complutense s/n, 28040 Madrid, Spain

Deadline for manuscript submissions:

**closed (30 September 2021)**

### Message from the Guest Editor

Dear Colleagues,

I have been asked by the Editor of *Nanomaterials* (MDPI) to coordinate a Special Issue entitled “Progress in Electrospun Nanofibers and Nanocomposites”.

This Special Issue is motivated by the observed growing interests on the design, fabrication, modification, and application of electrospun nanofibers and nanocomposites. Electrospinning technology has been widely used in the preparation of a wide range of nanoscale fibers for applications such as high-strength composite materials, nanoelectronics, sensors, biomedical application, drug delivery, food packaging, catalysis, membrane filtration, and energy applications (energy conversion/storage).

The rapidly developing technique of electrospinning has gained a surging research interest since its reinvention in 1990s due to its capability of yielding continuous fibers with diameters down to the nanometer scale, from a single needle spinning process to coaxial needle, multi-needle or the advanced bubble spinning technique...

For further reading, please follow the link to the Special Issue website at: <https://www.mdpi.com/si/40235>

Prof. Dr. Carmen García-Payo

*Guest Editor*





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)