

Special Issue on  
**Cellular Responses to Nanomaterials with Biomedical Applications 2024**

# CALL FOR PAPERS

The application of nanotechnology and nanomaterials in biomedicine has sparked considerable attention in recent years. Numerous institutions and researchers are dedicating substantial resources to crafting nanogels, nanoparticles, and nanofibers, with the aim of tackling diverse health challenges such as cardiovascular diseases, cancer, immune disorders, metabolic issues, and neurodegenerative conditions, among others.

Exploring how cells react to these nanomaterials is a captivating and crucial area of study, which can open many different avenues for intriguing discussions. Understanding the cellular responses to these advanced materials holds immense promise in shaping the future of medical treatments and interventions.

This Special Issue invites authors to contribute original research and review articles that will illustrate and stimulate advances in understanding the physiological processes that take place in tissue exposed to nanomaterials, such as cellular stress, adaptation mechanisms, immunological responses, biochemical pathways and cascades, pathologies, and clinical cases. We are particularly interested in manuscripts describing studies targeting cellular responses in tissues exposed to nanomaterials.

Potential topics include but are not limited to the following:

- ▶ Biocompatibility of electrospun nanofibers, nanogels, and nanoparticles
- ▶ In vitro or in vivo studies of nanomaterials
- ▶ Immunological response study to nanomaterials
- ▶ Nanomaterials for biomedical applications
- ▶ Biological testing of drug delivery systems

Authors can submit their manuscripts through the Manuscript Tracking System at <https://review.wiley.com/submit?specialIssue=411005>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

#### Lead Editor

Luis Jesús Villarreal-Gómez,  
Autonomous University of Baja  
California, Mexicali, Mexico  
[luis.villarreal@uabc.edu.mx](mailto:luis.villarreal@uabc.edu.mx)

#### Guest Editors

Shengqiang Cai, University of  
California, San Diego, San Diego, USA  
[shqcai@ucsd.edu](mailto:shqcai@ucsd.edu)

José Manuel Cornejo Bravo,  
Autonomous University of Baja  
California, Mexicali, Mexico  
[jmcornejo@uabc.edu.mx](mailto:jmcornejo@uabc.edu.mx)

Ricardo Vera-Graziano, Universidad  
Nacional Autónoma de México, Mexico  
City, Mexico  
[graziano@unam.mx](mailto:graziano@unam.mx)

#### Submission Deadline

Friday, 30 August 2024

#### Publication Date

September 2024