

Tentative Outline

Special Thematic Issue for Nanoscience and Nanotechnology-Asia

Importance of Nano & Micro materials for Environment and Human Health

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Guest Editor: Alexis Debut Ph.D., Lee Blaney Ph.D., Luis Cumbal Ph.D., Sandeep Kumar Ph.D.

Aims & Scope:

Nanoscience and nanotechnology bring together all scientific and technological activities at the nanoscale. Specifically, nanotechnology attracts attention because at nanosize, object behaviors are totally jostled and new properties appear that allow creating more efficient materials. The development of synthesis techniques now facilitates fast production on a large scale. The produced nanomaterials are characterized for a very high surface area to volume ratio, which makes the surface properties and therefore the interaction with the surrounding environment very unique. Nowadays, these objects occupy an increasingly larger place with various applications not only in advanced industries with materials for electronics, catalysis or energy but also in our daily life with cosmetology and food. However, the nanoscale provides materials an increased surface reactivity and the release of them in the environment is therefore worrying because changes in properties could lead to toxicity for human health.

Keywords: Nanomedicine, Nanomaterial and Environment

Subtopics:

The subtopics to be covered within this issue are listed below:

- ✓ Frontiers in Nanoscience and Nanotechnology
- ✓ Advanced and Smart Nanomaterials
- ✓ Nanobiotechnology and Nanomedicine
- ✓ Nanofabrication, Synthesis, Characterization and Engineering
- ✓ Nanoelectronics and microsystems
- ✓ Nanotechnology in Energy and Environment

Schedule:

- ✧ Manuscript submission deadline: April 30, 2021
- ✧ Peer Review Due: May 31, 2021
- ✧ Revision Due: June 15, 2021
- ✧ Announcement of acceptance by the Guest Editors: June 30, 2021
- ✧ Final manuscripts due: July 15, 2021

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