

Tentative Outline

TITLE of the thematic issue: Global Regulatory Overview of Nanopharmaceuticals and Nanocosmetics

Guest Editors: Dr. Deepti Pandita

Aims & Scope:

Major advances in nano-based pharmaceuticals and cosmetics have resulted in breakthrough developments in improving the health and skin care. The convergence of nanotechnology with pharmaceuticals and cosmetics is transforming the health and beauty care sector with several nano-based products in the market or in clinical testing. It is thus mandatory to assess the regulatory laws for the management of potential risks posed (both human and environmental) by such nanoproducts. Their toxicity profile needs to be well addressed and respective regulatory framework to be developed and reinforced by the authorities. In view of the potentially immense commercial and societal benefits that may come from nanotechnology, it is likely that nanomaterials, and products and applications containing them, are being widely investigated, produced and used; but nanotechnology has also brought new and heightened risks that have not been fully confiscated. Scientists, clinicians and regulators together have to work on the global harmonization and amend the present regulatory guidelines to remove the risks posed by the nano-based formulations if any. The regulatory analysts must review the existing legal mechanisms and determine the adequacy and efficiency in protecting the safety of consumers. This special issue contains the regulatory overview of the nanopharmaceuticals and nanocosmetics, and their quality and safety aspects per se.

Keywords: Nanomaterials, nanopharmaceuticals, nanocosmetics, regulation, safety assessment, harmonization.

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

Lipid-based nanopharmaceuticals and nanocosmetics

Polymer-based nanopharmaceuticals and nanocosmetics

Nanocrystals

Metal-based nanoparticles

Nanotechnology used in cosmetics

Nanomaterials

Schedule:

Manuscript submission deadline: 31st October 2017

Peer Review Due: 15th December 2017

Revision Due: 15th January 2018

Announcement of acceptance by the Guest Editors: 15th January 2018

Final manuscript due: 31st August 2018