



Journal of Nanoscience and Nanotechnology (JNN)

CALL FOR PAPERS

A Special Issue on **“Advances in Electrospinning of Nanofibers and Their Biomedical Applications”**

Guest Editors

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Aim and Scope

The aim and scope of this special issue relevant to “electrospinning” is to introduce JNN readers to this important and emerging topic and to update the advances in the research and development of electrospinning process and application.

Electrospinning is a versatile technique, which has been widely used in various biomedical applications due to its ability of producing nanofibers by introducing electric field into the polymer solution desired for a particular purpose. For example, it can be able to produce nanostructured scaffolds suitable for culturing cells and tissues or delivering therapeutic molecules. Though the history of electrospinning dates back to 1930s, the practical usage of electrospun fibers in the field of biomedical has been taken place only in the 1990s. Since then, the application of electrospinning has been rapidly advancing and expanding to various biomedical fields, which is evident from the published research studies. Nowadays, electrospun nanofibers are considered as one of the most promising biomaterials for many biomedical applications, in particular tissue engineering and drug delivery applications, due to their unique functional characteristics than their microscale counterparts. Therefore, the editors feel that it’s a right time to bring a special issue on “Advances in Electrospinning of Nanofibers and their Biomedical Applications” for the benefit of readers.

Journal of Nanoscience and Nanotechnology (<http://www.aspbs.com/jnn/>), an international journal published by the American Scientific Publisher, is therefore inviting people from both academia and industry to submit their articles, both review and original research articles, relevant to the following topics, but not limited to:

1. Design and technological advancement of electrospinning
2. Advances in theoretical analysis and simulation of electrospinning process
3. Optimization process in controlling the structure and properties nanofibers
4. Characterization of electrospun nanofibers
5. Application of electrospun nanofibers in cell culture, tissue engineering, regenerative medicine, wound dressing, drug delivery, protein or growth factor delivery, bio-implants/devices and other relevant biomedical fields



6. Safety aspects and other critical issues of electrospun nanofiber

Important dates

- Submission of abstract (~200 words) – January 30, 2012
- Submission of full manuscripts - June 30, 2012
- Notification of acceptance/revision/rejection – August 15, 2012
- Submission of revised manuscript, if any - August 31, 2012
- Tentative date of publication - December, 2012

Submission guidelines

Manuscripts for submission should not have been previously published nor be currently under consideration for publication elsewhere. All manuscripts are refereed through a peer review process as per the JNN standards. A guide for authors, sample copies and other relevant information for submitting manuscripts are available at the "Instructions for Authors" page on the homepage of JNN, <http://www.aspbs.com/jnn/>

Authors are requested to submit their abstract and full manuscript in both MS Word and PDF formats by email to rmurug2000@gmail.com or to one of the following editors.

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