

Tentative Outline

Special/Thematic Issue for the Journal “RECENT PATENTS ON NANOTECHNOLOGY”

Tentative Title: Role of Nanotechnology in the Treatment of Life Threating Diseases

Guest Editor: Dr. Parijat Pandey

Scope of the Thematic Issue:

Nanotechnology in the arena of medical specialty is more usually referred to as nanomedicine. Nanomedicine in treating the various life threatening diseases such as heart diseases, cancer, diabetes, etc. are really starting to take off and gain in popularity. Nanotechnology is the most intriguing research area cutting across biology, chemistry, engineering and medicine, aiming to develop advanced therapies. Nanotechnology has come as a new paradigm in the effective delivery of drugs. Advances in the design of nanoparticles as drug delivery systems have provided huge opportunities in the targeted delivery and have shown great promise to improve the therapeutic outcome of the existing therapies. Nanotechnology are being widely appreciated for greater efficacy and reduced adverse effects; hence, a rapid progress has been accomplished. Several nanotechnologies have been approved for clinical care and many are under clinical investigations.

This special issue is focused mainly on the nanoparticle technologies with a particular emphasis on the development of nanoparticulate drug delivery system and how nanotechnology is being produced and used in the treatment of life-threatening diseases such as heart diseases, diabetes, cancer and many others. We hope to conclude from this special issue that the development of nanotechnology will greatly increase advancements in medical treatment and hopefully lead to cures for many of the ailments we suffer from today. We're interested in original research, critical reviews, short communications, case studies on recent developments in the field of nano drug delivery systems for life threatening diseases.

Keywords: Nanotechnology, Nanoparticle Drug Delivery, Life Threatening Disease, Heart Disease, Diabetes, Cancer.

Sub-topics:

- Lung Cancer
- Breast Cancer
- Brain Cancer
- Melanoma
- Prostate Cancer
- Diabetes
- Heart Disease

Tentative titles of the articles:

- **Lung Cancer: Implication to Disease, Therapeutic Strategies and Tumor Targeted Drug Delivery Approaches**
- **Role of Polymeric Nanoparticles in the Treatment of Brain Cancer**
- **Cancer Therapy: Recent Patents on Nanoparticles and Nanoformulations**
- **Nanotechnology: Emerging Approach in the Field of Treatment for Cancer Treatment**
- **Gold Nanoparticles: A Nano system for Management of Prostate Cancer**
- **Nanotechnology in the Encounter against COVID-19**
- **Trends of Nanotechnology in Diabetes Management**
- **Nanotechnology in the Diagnosis and Treatment of Heart Diseases**
- **Nanotechnology in the Treatment for Chronic Lung Diseases**

Schedule:

✧ Complete Thematic issue submission deadline:		
Deadline for Submission	:	30 th October, 2022
Peer Review Due	:	10 th December, 2022
Revision Due	:	30 th December, 2022
Notification of Acceptance by the Guest Editors	:	10 th January, 2023
Final Manuscripts Due	:	30 th January, 2023
Final Date of Submission of Special Issue	:	February, 2023

Details of Guest Editors:

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