

Tentative Outline

Special Issue for Current Topics in Medicinal Chemistry

Bioactive Chemical Entities: Pre-Clinical and Clinical Aspects

Guest Editor(s): Dr. Brijesh Rathi and Dr. Prakasha Kempaiah

Aims & Scope:

The structures and biological activities of small chemical compounds have often provided inspiration in drug discovery and drug development. Bioactive small molecules possess highly potential applications in the biomedical world, drug discovery, including guiding cellular responses, delivering bioactive molecules, and providing structural support for developing tissues probably due to their flexibility and easy functionalization. The purpose of this special issue proposal is to encapsulate the recent developments in the field of bioactive small molecules - pre-clinical to clinical studies.

Keywords: Small molecules, Drug discovery, Drug targets, Clinical studies.

Subtopics:

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

- Therapeutic and diagnostic applications of bioactive molecules for infectious diseases.
- Medicinal applications of carbohydrates/polymeric therapeutics/peptide-based molecules.
- Cheminformatics to understand binding affinity of proteins with substrates.
- Therapeutic policies and emerging targets for the treatment of diseases.
- Tissue engineering.
- Target identification of potent drug molecules for various diseases.
- New approaches adopted for the development of new drug molecules.
- New approaches to support drug discovery and drug development.
- Biomedical applications of bioactive molecules.
- Clinical and pre-clinical studies of bioactive scaffolds active against infectious diseases.

Schedule:

- ✧ Manuscript submission deadline: July 30, 2019
- ✧ Peer Review Due: August 30, 2019
- ✧ Revision Due: September 15, 2019
- ✧ Announcement of acceptance by the Guest Editor(s): September 20, 2019
- ✧ Final manuscripts due: September 25, 2019

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