

Tentative Outline

Special Thematic Issue for Current Topics in Medicinal Chemistry

SAR analysis of various heterocyclic compounds in medicinal chemistry: Recent updates

Guest Editor

Dr. Bijo Mathew, M.Pharm, Ph.D.

Aims & Scope:

Target based drug discovery is emerged as one of the most promising drug design based concept in the field of drug design. The structural requirement of lead molecule for a particular targets is the crucial phenomenon in the drug development process. Structure activity relationship (SAR) depends on the recognition of which structural features correlate with chemical and biological reactivity. Existing compounds biological profile can be further improved logically in SAR analysis by the medicinal chemist. The current thematic issue is focused on the detailed SAR of various class of heterocyclic compounds against different diseases. The thematic issue offers the recent trend of SAR principle of a particular molecular framework for a specific target. This can build new molecules with improved potency and pharmacokinetic tools.

Keywords: SAR, Heterocycles, Cancer, Enzyme-Inhibition studies

Subtopics:

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

- SAR analysis of various heterocyclic nucleus for neurodegenerative disorders
- SAR analysis of various heterocyclic nucleus for cancer targets
- SAR analysis of various heterocyclic nucleus for inflammatory targets
- Various types of SAR analysis by in silico methods

Schedule:

- ✧ Manuscript submission deadline: 31-5-2021
- ✧ Peer Review Due: 6-7-2021
- ✧ Revision Due: 8-8-2021
- ✧ Announcement of acceptance by the Guest Editors: 9-10-2021
- ✧ Final manuscripts due: 10-10-2021

Contacts:

Guest Editor: Dr. Bijo Mathew, M.Pharm, Ph.D.

*Affiliation: Associate Professor, Department of Pharmaceutical Chemistry
Amrita School of Pharmacy, Amrita Vishwa Vidyapeetham-Kochi-India*

Email: bjomathew@aims.amrita.edu, bjovilaventgu@gmail.com

Any queries should be addressed to ctmc@benthamscience.net.