**Tentative Outline**

**Special Issue for Current Topics in Medicinal Chemistry**

**Computer Aided Drug Designing For Combating Diseases**

*Guest Editors:* Dr. Neelima Arora and Amit Kumar Banerjee

**Aims & Scope:**
Burgeoning rise in different disease cases such as cancer, viral diseases including Dengue, Chikungunya, Zika, Ebola, Japanese encephalitis, etc., other tropical and neglected diseases, metabolic conditions such as diabetes and many other health conditions warrants the need of immediate investigations and end the human plight for ensuring a better tomorrow.

Advances in scientific research have shown the impact in eradication and prevention of many diseases conditions such as polio. Interplay of experimental and theoretical approaches have come a long way in proving their effectiveness and worth in this regard. Earlier computational approaches were almost ignored by a large section of the scientific community. Last few decades have witnessed a drastic change in the existing beliefs and today theoretical techniques are not only supporting and supplementing experimental results but also guiding studies by providing valuable cues.

Computational approaches pertaining to understanding complex biological system have come a long way during past few years rising from its infancy to blooming into a full-fledged science. Simple bioinformatics and chemo-informatics approaches are being frequently applied in the arena of system biology and are providing remarkable insights on unsolved and unanswered scientific questions so far.

**Keywords:** Drug designing, Homology modeling, QSAR, Drug targets, Pathway analysis, In silico.

**Subtopics:**
The objective of this thematic issue is to showcase the latest computer aided drug research in relation to various diseases. Review articles following the guidelines of the journal and scope of the issue with excellent amalgamation of information towards better understanding of a disease or disease condition are welcome. Authors may contribute valuable and insightful information through their articles related to but not limited to the following topics:

1. Drug designing
2. Homology Modeling
3. Docking
4. QSAR
5. System biology with relation to disease condition and drugs
6. Drug and Drug target analysis through computational means for cancer, viral, parasitic, bacterial, metabolic and other diseases
7. Pathway analysis

**Schedule:**
- Manuscript submission deadline: 15-09-2017
- Peer Review due: 30-11-2017
- Announcement of acceptance by the Guest Editors: 15-12-2017
- Final manuscripts due: 15-01-2018

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