

## Tentative Outline

### Special Issue for Central Nervous System Agents in Medicinal Chemistry

#### Advances and Research in Heterocyclics: An Impetus to Central Nervous System Agents

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#### Aims & Scope:

Drug discovery and development has a long history and evidenced the distinct demarcation for heterocyclic compounds being the largest classical division of organic chemistry. Heterocyclic molecules are inextricably woven in to biological system. Nevertheless, nature selected heterocycles pyrrole and pyridine not the homocycles aniline and nitrobenzene, as the basis of most biological system. Heterocyclic chemistry has its origin in organic synthesis, natural product chemistry and medicinal chemistry. Indeed more than 90% of new drugs contain heterocyclics and continuing to grow at an accelerated pace. One striking structural feature inherent to heterocycles, which continue to be exploited to great advantage by the drug industry, lies in their ability to manifest substituents around a core scaffold in defined three dimensional representations. Heterocyclics are chemically more flexible and better able to respond to many demands of biological systems.

The constantly accelerating rate of research and development in heterocyclic chemistry suggests considering this thematic issue as an opportunity for researchers to contribute their conducive and focus, how these heterocyclics are used, processed and acquired in biological system pertain to Central Nervous System Agents.

This forgoing issue will cover most recent, cutting edge advances and research on a broad range of heterocyclics in the area of **Central Nervous System Agents** including centrally acting analgesics, anticonvulsants, antiparkinson agents and neuroprotective agents.

#### Keywords:

Biological systems, Central Nervous System Agents, Drug discovery, Heterocyclics.

#### Subtopics:

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

Research works related to heterocyclic chemistry pertain to:

1. Centrally acting analgesics,
2. Anticonvulsants,
3. Antiparkinson agents,
4. Neuroprotective agents.

#### Schedule:

- ✧ Manuscript submission deadline: 30 June 2015
- ✧ Peer Review Due: 31 July 2015
- ✧ Revision Due: 31 August 2015
- ✧ Announcement of acceptance by the Guest Editors: 15 September 2015
- ✧ Final manuscripts due: 31 October 2015

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