

Special Thematic Issue for CNS & Neurological Disorders - Drug Targets

Thematic issue title: Recent Advancements in the Chemistry of Novel CNS Drugs: A Step Towards End of Illness

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Aims & Scope: Central nervous system disorders, are a group of neurological disorders that affect the structure or function of the brain or spinal cord. These disorders affect people in all countries, irrespective of age, sex, education or income. A new report from the World Health Organization (WHO) reported that neurological disorders, ranging from epilepsy to Alzheimer disease, from stroke to headache, affect up to one billion people worldwide. An estimated 6.8 million people die every year as a result of neurological disorders. In spite of very exhaustive and continuing research in neurological disorders worldwide, the pharmaceutical scientists are still in search of better neuroprotective agents with enhanced efficacy and safety profile. Unfortunately until date not much success had been met in this regard. Further the long-term use of such traditional CNS drugs leads to serious complications which warrants immediate attention. Therefore, we propose a special issue of the topic **“RECENT ADVANCEMENTS IN CHEMISTRY OF NOVEL CNS DRUGS: A STEP TOWARDS THE END OF ILLNESS”**. This special issue will focus on various CNS disorders (Alzheimer, Epilepsy, Parkinson, Huntington's disease, Amyotrophic lateral sclerosis and Schizophrenia), their mechanism of genesis, chemistry and structure

activity relationship studies and as well as valuable evidences for the advancement of novel therapeutic approaches. We believe that this issue will help us in the development of effective and potent pharmacophores which enables us to move from disease risk loci to disease etiology.

Keywords: Brain; Central Nervous System; Neurological disorders; Neurodegeneration; Alzheimer's disease; Amyotrophic lateral sclerosis; Anticonvulsants; COMT inhibitors; Dementia; Epilepsy; Huntington's diseases; Parkinsons disease; Schizophrenia

Subtopics:

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

- A systematic review on Rasagiline analogues as potential neuroprotective agents.
- Chemistry of Novel CNS Drugs
- Medicinal perspective of pyrimidine derivatives as anti-Alzheimer's –A review
- Recent advancement of pyrazole entity as therapeutics neuroprotective agents: A review
- Alzheimer's disease: A review reflecting development of potential heterocyclic agents
- Development and Role of Ezogabine in the Management of Epileptic Seizures
- Current progress on anticonvulsant profile of various heterocyclic moieties: A review
- Voltage gated sodium channels in the treatment of Alzheimer's Disease
- Recent development Monoamine oxidase inhibitors for neurological disorders: Insight into biological activities and SAR studies.
- Neurological and Psychiatric management using COMT inhibitors: A review.

Schedule:

- ◇ Manuscript submission deadline: September 2020
- ◇ Announcement of acceptance by the Guest Editors: January 2021
- ◇ Final manuscripts due: March 2021

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