

Tentative Outline

Special Issue for Current Medicinal Chemistry

Guest Editor:

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Title of Thematic Issue

Pharmacological intervention of Neurodegenerative diseases: novel approaches

Aims & Scope:

The main goal of the thematic issue is to provide information on recent approaches in development an efficient therapy and prevention of such neurodegenerative pathologies as Alzheimer's disease, parkinsonism, ALS, frontotemporal dementia, multiple sclerosis etc. Special attention will be focused on new biologically active compounds and therapeutic strategies, based on recent achievements of medicinal chemistry, molecular biology and biotechnology.

Keywords:

Alzheimer's disease, parkinsonism, ALS, frontotemporal dementia, multiple sclerosis, medicinal chemistry.

Subtopics:

The sub-topics to be covered within the issue should be provided:

- Synthetic approaches in design of neuroactive agents
- Multipharmacophore agents for neurodegenerative disease treatment
- Natural compounds for neurodegenerative diseases treatment
- Endogenous neuroprotective mechanisms as a target for novel neuroprotective agents
- Prion-like proteins as a promising target for therapy of neurodegenerative diseases
- Repositioning of old drugs for treatment of neurodegenerative diseases
- Novel approaches for focused drug delivery to CNS targets
- Computer-based approaches for focused design of novel neuroactive agents

✧ **Schedule:** Submission deadline is July 01, 2022