

Tentative Outline

Special Thematic Issue for Current Neuropharmacology

Title of the Thematic Issue: *Neuroactive Botanicals*

Executive Guest Editors: Dr Hellen Oketch-Rabah

Aims & Scope: This special issue titled *Neuroactive Botanicals* in *Current Neuropharmacology* addresses the current state of knowledge on botanicals that have demonstrated neuropharmacological effects. Many cultures use herbs to treat conditions that involving the central nervous system and many herbs are claimed to possess anticonvulsant, antiepileptic, neuroprotective, memory enhancing, and sedative properties and for some of these there exists clinical data or experimental study results. This issue of *Current Neuropharmacology* presents the state of knowledge as relates to botanicals/herbs with neuroactive properties and proposals for proposed additional research to better understand their efficacy and safety profiles with a hope to stimulate research to discover future medicines.

Keywords: Neuroactive, botanicals, Huntington's disease (HD), Alzheimer's disease (AD), Parkinson's disease (PD), familial amyotrophic lateral sclerosis (fALS), nootropics, neuroprotective

Subtopics:

The subtopics include but are not limited to the following:

- Psychoactive botanicals
- Botanicals for Cognition, sleep disorders and Alzheimer's disease:
- Botanicals for Parkinson's disease:
- Botanicals for Obsessive-compulsive disorder (OCD):
- Herbs for anxiety and depression
- Potential botanicals for treatment of epilepsy/schizophrenia

Tentative titles of the articles and list of contributors:

Roe AL et al	Botanicals to improve brain health: acute and long-term effects on cognitive function, stress, and sleep
Griffiths JA et al	Neuropharmacological properties of three Indian Ayurvedic botanicals: " <i>Alpina galangal</i> , <i>Withania somnifera</i> and <i>Paullinia cupana</i>
Kennon-McGill, Stefanie et al,	Prenatal Use of Neuroactive Botanicals: Safety, Efficacy, and Fetal Exposure
Spelman et al,	Botanical Medicines with mitochondrial activity that have potential in neurological illnesses
<u>Mahomoodally F et al</u>	Potential of medicinal plants as neuroprotective and therapeutic properties against amyloid- β -related toxicity (Alzheimer's model), and glutamate-induced excitotoxicity (Parkinson's model) in human neural cells.
Shaikh F. et al	<i>Curcuma longa</i> (Turmeric) and its bioactive constituents in Central Nervous System Disorders
Gericke N, Brendlar T et al.	<i>Sceletium tortuosum</i> - key elements in the odyssey from traditional use to a botanical medicine

Schedule:

Contacts:

Ex. Guest Editors: *Hellen Oketch-Rabah, PhD*

Affiliation: United States Pharmacopeia (USP)

Email: hao@usp.org