

## Tentative Outline

### Special Thematic Issue for Current Drug Targets (CDT)

#### Mitochondrial dysfunction and traffic jams in neurodegenerative disorders

Guest Editors: Dr. Bijo Mathew, Dr. Ghulam Md. Ashraf, Mr. Md. Sahab Uddin

#### Aims & Scope:

Most of the neurodegenerative disorders (NDD) is associated with the impairment of healthy neuron. Mitochondrial dysfunction is considered as the emerging pathological condition in the etiology of various class of NDD. The misfolded proteins can affect the mitochondrial dynamics which prevents the functions of mitochondrial signaling reaching to the synapse. The aim of the thematic issue provides an insight into the mitochondrial dysfunction in the pathogenesis of various class of NDD.

**Keywords:** Alzheimer's disease, Parkinson's disease, Apoptotic pathway, Mitochondrial dysfunction, Proteomic analysis, Gene therapy

#### Sub-topics:

- [1] The importance of healthy mitochondria for a healthy neuron
- [2] Natural and synthetic drugs targeted on mitochondrial apoptotic pathways
- [3] Aging of brain related with mitochondrial dysfunctions
- [4] Mitochondrial dysfunctions in AD and PD
- [5] The genes of mitochondria which imparts various NDD
- [6] Proteomic analysis of mitochondrial dysfunctions in NDD

#### Schedule:

✧ Manuscript submission deadline: July 2020

#### Contacts:

##### Guest Editors:

[1] Dr. Bijo Mathew

Email: [bijovilaventgu@gmail.com](mailto:bijovilaventgu@gmail.com)

[2] Dr. Ghulam Md. Ashraf

Email: [ashraf.gm@gmail.com](mailto:ashraf.gm@gmail.com)

[3] Mr. Md. Sahab Uddin

Email: [msu-neuropharma@hotmail.com](mailto:msu-neuropharma@hotmail.com)

Any queries should be addressed to [cdt@benthamsience.net](mailto:cdt@benthamsience.net)