

Tentative Outline

Special Thematic Issue for the journal *Combinatorial Chemistry & High Throughput Screening*

Title of the Thematic Issue: **Phytochemical compounds and their bioactivity**

Guest Editor: Dr. Mohamed Z.M. Salem

Scope of the Thematic Issue: Medicinal and aromatic plants are produces several groups of chemicals such as, essential oils, phenolic compounds, flavonoid compounds, saponins, alkaloids, etc.. that are useful and many bioactivity approaches such as pharmaceutical and agricultural industries to overcome the using of synthetic compounds. The bioactivities include insecticidal, antioxidant, antibacterial, antiviral, anticancer and antifungal.

Keywords: Natural products isolation; Natural product bioactivity; Chromatographic analyses; essential oils; phenolic compounds; flavonoid compounds; Alkaloids; Saponins.

Sub-topics:

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

- Isolation of bioactive molecules from medical and aromatic plants
- *in vitro* and *in vivo* biological activities of natural products
- Quantitative and qualitative analysis tools for the isolated natural products
- Plant treatments to enhance the bioactivity

Schedule:

- ✧ Thematic issue submission deadline: 1 Aug 2020
- ✧ Peer Review Due: 1 September 2020
- ✧ Revision Due: 1 October 2020
- ✧ Announcement of acceptance by the Guest Editors: 15 October 2020
- ✧ Final manuscripts due: 1 November 2020

Contacts:

Guest Editor Name: Dr. Mohamed Z.M. Salem

Affiliation: Department of Forestry and Wood Technology, Faculty of Agriculture (El-Shatby), Alexandria University, Egypt

Email: zidan_forest@yahoo.com; Mohamed-salem@alexu.edu.eg