

Tentative Outline

Special Thematic Issue for Current Topics in Medicinal Chemistry

Thematic Issue Title: Bioactivity of Natural Products as Complementary Medicine

Guest Editor: Dr. Merve Keskin, Prof. Dr. Salah Akkal

Aims & Scope:

Medicinal and aromatic plants have been used as complementary agents since ancient times. They possess high antioxidant, antimicrobial, anti-inflammatory and anti-tumor properties because of their essential oils, phenolic content, flavonoids, alkaloids, etc. They are useful for pharmaceutical industry for replacing the synthetic compounds. Main scope of this thematic issue covers the bioactivity of natural products. Isolation of main compounds and their structural characterization and relationship between molecular structure and activity is also welcome.

Keywords: Isolation; bioactivity; enzyme inhibition; α -amylase; urease; complementary medicine, phenolic compounds; flavonoid compounds; antioxidant; antimicrobial; cytotoxicity; in vivo; in vitro; molecular structure

Subtopics:

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

- Isolation of bioactive compounds from natural products for development new drug agents and relationship between molecular structure and activity
- Inhibition properties of clinically important enzymes by natural products for the complementary medicine
- In vitro and in vivo biological activities of natural products

Schedule:

- Manuscript submission deadline: 1 August 2021
- Peer review due: 1 September 2021
- Revision due: 1 October 2021
- Announcement of acceptance by the guest editors: 15 October 2021
- Final manuscripts due: 1 November 2021

Contacts:

Guest Editor: Dr. Merve Keskin

Affiliation: Vocational School of Health Services, Bilecik Seyh Edebali University, Bilecik, Turkey

Email: merveozdemirkeskin@gmail.com

Guest Editor: Prof. Dr. Salah Akkal

Affiliation: Valorization of Natural Resources, Bioactive Molecules and Biological Analysis Unit, Department of Chemistry, University of Mentouri Constantine1, Constantine, Algeria

Email: salah4dz@yahoo.fr

Any queries should be addressed to ctmc@benthamsience.net