

Tentative Outline

Special/Thematic Issue for the journal Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry

Title of the Thematic Issue: "Mechanisms of Natural Compounds in Inflammation and Inflammatory-Related Diseases"

Guest Editor: Vahid Reza Askari

Scope of the Thematic Issue:

Inflammation is a complex biological response to injury due to different noxious stimuli. Inflammatory injuries induce the release of a variety of systemic mediators, cytokines, and chemokines that orchestrate the cellular infiltration that consequentially brings about the resolution of inflammatory responses and the restoration of tissue integrity. However, persistent inflammatory stimuli or the dysregulation of mechanisms of the resolution phase can lead to chronic inflammation and inflammatory-based diseases. Nowadays, commercially approved anti-inflammatory drugs are represented by non-steroidal anti-inflammatory drugs (NSAID), glucocorticoids (SAID), and in some cases, immunosuppressant and biological drugs. These agents are adequate for the relief of the main inflammatory symptoms. However, they induce severe side effects, most of which are inadequate for chronic use. Starting from these premises, the demand for new effective, and safe anti-inflammatory drugs has furthered research into new therapeutic approaches. Therefore, the recent and emerging scientific community slant is oriented towards natural products/compounds that could represent a treasure for discovering new active molecules and developing new drugs and potentially useful therapeutic agents in different inflammatory-related diseases. In fact, this Special Issue will stimulate the scientific community's interest in studying the effects of natural products/compounds on different fields of interest in inflammation, inflammatory pain, inflammatory-related diseases (such as autoimmune disease), and others.

Keywords: Inflammation, Cannabinoid Receptors, Pain, Macrophage, Asthma, Herbal Medicine, Natural Compounds.

Sub-topics:

- Cannabinoid receptors
- Pain
- Asthma
- Natural products
- Inflammation
- Migraine

Schedule

- Complete Thematic issue submission deadline: **10 February, 2024**

Contacts

Guest Editor Name: Prof. Vahid Reza Askari
Affiliation: International UNESCO Center for Health-Related Basic Sciences and Human Nutrition
Mashhad University of Medical Sciences, Mashhad, Iran
Email: vahidrezaaskary@gmail.com, askariv@mums.ac.ir