Tentative Outline (Preliminary Proposal of Thematic Issue)

Special/Thematic Issue for the journal "Recent Advances in Inflammation & Allergy Drug Discovery"

Title: Nutraceuticals as modulators of redox-dependent, inflammatory-mediated signal transduction pathways

Sectional Editor: Marco Tutone

Co-Guest Editor: Mario Allegra

- **Scope of the Thematic Issue:**

Inflammation is an adaptive response triggered by harmful stimuli and conditions such as infection and tissue injury. The excessive oxidant challenge eventually starts signaling events involved in the development of a wide range inflammation-based degenerative pathologies. In line with this, numerous natural compounds have been recently shown to modulate the inflammatory response effectively. Originally considered 'health-promoting' by virtue of their radical-scavenging or direct antioxidant effects on cellular biomolecules, natural compounds are now believed to effectively modulate the inflammatory response by intercepting reactive species at the level of critical signaling pathways.

The aim of this Special Issue is to bring together updated research on the modulation of inflammatory conditions by nutraceuticals. Studies on synergistic interactions between phytochemicals, interplay with pharmaceuticals, structure–activity relationships, computational studies are welcomed.

Contributions are invited from investigators worldwide in the form of reviews or original research articles on the anti-inflammatory effects and mechanisms exerted by natural compounds.

Keywords: inflammation, nutraceuticals, in vitro studies, in vivo studies, computational studies.

Sub-topics:

- Phytochemicals and nutraceuticals as modulators of redox-dependent, signalling pathways
- Synergistic studies involving different nutraceuticals
- Structure-relationshp bioactivities of nutraceuticals
- Computational studies

Schedule:

- Complete thematic issue proposal submission deadline: 25-May-23

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