

Special Issue for ANTI-INFLAMMATORY & ANTI-ALLERGY AGENTS IN MEDICINAL CHEMISTRY

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RECENT ADVANCES IN ANTI-INFLAMMATORY AND IMMUNE-MODULATOR DRUGS DEVELOPMENT AND ANALYTICAL TOOLS FOR THEIR CHARACTERIZATION

Aims & Scope:

This special issue is devoted to the publication of original articles and reviews concerning the development, improvement, validation and extension of application of methodologies in exciting areas of Analytical and Bioanalytical Chemistry related to anti-inflammatory and immune-modulator drugs. Developments in sample preparation and sample handling, detection techniques including mass spectrometry and other hyphenated techniques, data handling and chemometrics, and analysis for isolation and chemical-physics characterization are encouraged. The spectrum of coverage encompassing methods and techniques relevant to the evaluation of recent developments in pharmacology and toxicology research, detection (including bio-screening), extraction, separation, purification, identification and quantification of compounds from natural sources and from synthetic (or semi-synthetic) processes that had show biological activities (*in vitro* and/or *in vivo*) relevant for human wellness and in particular for the treatment of inflammatory and immune diseases. Analytical techniques, which may be considered, include the various facets of chromatography, electrophoresis and related methods, affinity and immuno-affinity-based methodologies, hyphenated and other multi-dimensional techniques, and micro-analytical approaches. This issue could include accounts of the authors' research work combined with a review of the recent literature so that the readers will not only have the opportunity of benefiting from the author's contributions but will also gain access to a broader perspective of the field. Main research fields' targets for this special issue will be Analytical, Organic, and Pharmaceutical Chemists, as well as Phytochemists and Pharmacology researchers.

Key words:

Analytical tools; separative techniques; extraction and sample treatment; Anti-inflammatory and immune-modulator drug; chemometrics

Subtopics:

FPRL agonists; Anti-inflammatory and immune-modulator drugs; Extraction and recent advantages in sample treatments; NSAIDs; Naturally occurring and synthetic agents; Terpenes.

Schedule:

Manuscript submission deadline:	April 2012
Peer Review Due:	May 2012
Revision Due:	June 2012
Notification of acceptance by the Guest Editor:	July 2012
Final manuscripts due:	July/August 2012