

**Tentative Outline**  
**Special Issue for Current Organic Chemistry**  
*Guest Editor(s): Marcus T. Scotti and Luciana Scotti*

**TITLE: Inflammatory Diseases – New Compounds And  
Treatments**

**Aims & Scope:**

Inflammation results from a process in response to noxious stimuli in from tissues by pathogenic agent and / or irritated or damaged cells from an inflammatory immune response involving the immune cells, blood vessels and molecular inflammatory mediators [1].

Inflammatory diseases may be provided by an acute or chronic phase. In the acute phase we have an innate immune response by characterized flush appearance, heat and increasing the entry into service on site [2]. In contrast, the chronic phase is from persistent acute inflammation by the recruitment of monocytes, leukocytes and macrophages as well as proinflammatory cytokines.

At this stage one can achieve with tissue destruction and fibrosis necrosis site [3]. Chronic inflammation may lead to a number of diseases such as asthma [4], rheumatoid arthritis [5], atherosclerosis [6], intestinal diseases [7], among others.

The objective for this thematic issue is to report recent studies about different approaches in drug discovery, which comprises synthesis, semi-synthesis, searches for new targets, natural products, evaluation of biological activities, and/or theoretical approaches as structure-based approaches, SAR, QSAR, docking and several cheminformatics methods [8], for investigation and selection of new lead molecules. These efforts involve several studies to aid the drug discovery of new options of treatment of inflammatory diseases.

**Approximate Schedule:**

- Tentative submission deadline of the manuscripts: 15, April 2017.
- Tentative submission of revised manuscript: 15 July, 2017.
- Submission of issue: 30 July, 2017