**Tentative Outline**

**Anti-Cancer Agents in Medicinal Chemistry**

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**TITLE:** Natural Polysaccharides for Development of Effective Anticancer Treatments

**Aims & Scope:**

The thematic issue is to cover the most up-to-date research and development of natural polysaccharides (PS) from various sources, their modifications and innovative applications for effective anticancer treatment, and understanding of their structure-activity relationships and mechanisms of action. Both review and original research articles are considered.

**Keywords:**

Polysaccharides; β-glucans; Antitumor; Immunomodulation; Structure and activity relationship; Physiological mechanisms; Nanoparticles

**Subtopics:**

1. Natural PS and glyco-conjugates: structures and anticancer activities
2. Chemical modifications of natural PS for improved antitumor activities
3. Natural PS nanoparticles for effective cancer treatment
4. Mechanisms of action for the anticancer effects of PS
5. Novel strategies for developing effective anticancer treatment with polysaccharides
6. Other interesting and relevant topics

**Schedule:**

Manuscript submission deadline: October 15 2016

Peer Review Due: December 15 2016

Revision Due: February 15 2017

Notification of acceptance by the Guest Editor: March 15 2017

Final manuscripts due: July 30 2018