Tentative Outline

Anti-Cancer Agents in Medicinal Chemistry

Guest Editor(s): Pankaj Attri

**TITLE:** “Cold atmospheric plasma activated solution: A new approach for cancer treatment”

**Aims & Scope:** In spite of the major progress made in the medical world to treat cancer, the existing therapies lack in terms of selectivity, and some cancers are infact resistant to the existing therapies. Plasma treatment is gaining increasing interest, because it is stated to selectively treat cancer cells, and no resistance against plasma treatment has been observed yet. Most studies are still *in vitro* and *in vivo* and few existing clinical trials. **Cold atmospheric plasma activated solution**, on the other hand, can more generally be used where cold atmospheric plasma (CAP) device is not available, and it is also less dependent on the treatment conditions. Additionally, **Cold atmospheric plasma activated solution** can be injected into the tissues and thus prevent tumor growth more effectively than CAP devices. This special issue will help increase the understanding about the underlying mechanisms of **Cold atmospheric plasma activated solution**, but also enhance the possibilities to apply plasma medicine for cancer therapy.

**Key words:** Plasma-activated water (PAW), Plasma activated foetal bovine serum (FBS) [PAFBS], Plasma-activated medium (PAM)

**Subtopics:** Action of Plasma activated biosolution on cancer treatment

**Schedule:**

Manuscript submission deadline: September 30, 2016
Peer Review Due: November 30, 2016
Revision Due: January 10, 2017
Notification of acceptance by the Guest Editor: January 20, 2017
Final manuscripts due: February 10, 2017
Tentative Publication Date: August, 2018