

Tentative Outline

Special Issue for Current Analytical Chemistry

Toxic Pollutants in the Environment: Challenges in Analytical Chemistry

Guest Editors: Dr. Rajender Boddula and Dr. Inamuddin

Aims & Scopes:

Toxic pollutants are pervasive in the nature is one of the major challenges in analytical chemistry. Analysis and degradation of toxic pollutants in water and air is notably consummate in centralized laboratories has become a worldwide concern. Nowadays, nanoscience and technologies are opening a new vista in the development of nanomaterials, utilization in environment, sensor and analytical applications and several noteworthy directions required to push these research fields a step further for the challenging green and clean world. This thematic issue in **Current Analytical Chemistry (CAC) under Bentham Scientific publishers (BSP)** aims to present an overview of current works on toxic pollutants in environment: challenges and analytical techniques. Additionally, in this thematic issue, we offer an overview of the cutting-edge processes for toxic pollutants control in environment based on the use of nanomaterials with analytical techniques. Examples include, but are not limited to, nanomaterials, toxicity remediation, heterogeneous catalysis, green chemistry and others. High-quality manuscripts (original research articles, review articles rapid communications, and perspectives) will be accepted from all areas of proposed issue. Contributions of all types of articles are free of charge and are not levied on authors.

Subtopics:

The subtopics to be covered within this issue are listed below:

- **Analytical methods to determination of toxic pollutants**
- **Techniques (Voltammetry, Spectroscopy, Sensors, and chromatography, etc.)**
- **Novel strategies in toxic pollutants removal and analysis**
- **Nanomaterials (Metal oxides, Graphene, Polymers, etc.)**
- **Fundamentals, Catalysts and Safety concerns**
- **Challenges and breakthroughs**

Schedule:

- Manuscript Submission July 15, 2019
- Peer Review Due: August 31, 2019
- Revision Due: September 30, 2019
- Final Manuscript Due: December 30, 2019
- Notification of Acceptance by the Guest Editor: February 10, 2020

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