

Special Issue on  
**Green and Sustainable Environmental Chemical Engineering**

# CALL FOR PAPERS

Effective treatment of wastes generated from several process industries has been a daunting challenge. Hence, for complete degradation/mineralization of such organic recalcitrant pollutants require advanced or hybrid techniques. Many industries do not have adequate technology for treatment of such pollutants and hence dispose directly to open area or in rivers and lakes which causes environmental pollution including direct impact on aquatic life. Another major environmental issue is emission of greenhouse gases, which also cause global climate change resulting in increase of surface temperature or global warming.

Therefore, the objective of the special issue is to promote the technologies for environmental protection. So, this issue invites the papers from the authors to contribute original research articles as well as review papers on development of alternative and sustainable technologies for treatment and reuse of wastewater; disposal and recycling of waste; pollution prevention; process and environmental safety; membrane separation; alternative bioenergy and biofuels; green synthesis of chemicals; and so on. The investigations may be experimental or numerical simulation that provides new perspectives to establish and understand the mechanism.

Potential topics include but are not limited to the following:

- ▶ Advanced oxidation processes
- ▶ Nanomaterials for environmental application
- ▶ Environmental application of ultrasound
- ▶ Catalysis, reaction engineering
- ▶ Adsorption, membrane separation
- ▶ Application of ionic liquids for environment
- ▶ Bioenergy, green, and alternative fuels
- ▶ Biological and chemical treatment
- ▶ Risk assessment

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ijce/gsec/>.

**Lead Guest Editor**

Sankar Chakma, Indian Institute of Science Education and Research  
Bhopal, Bhopal, India  
[schakma@iiserb.ac.in](mailto:schakma@iiserb.ac.in)

**Guest Editors**

Vijayanand S. Moholkar, Indian  
Institute of Technology Guwahati,  
Guwahati, India  
[vmoholkar@iitg.ernet.in](mailto:vmoholkar@iitg.ernet.in)

Mingce Long, Shanghai Jiao Tong  
University, Shanghai, China  
[long\\_mc@sjtu.edu.cn](mailto:long_mc@sjtu.edu.cn)

Ewa Kowalska, Hokkaido University,  
Sapporo, Japan  
[kowalska@cat.hokudai.ac.jp](mailto:kowalska@cat.hokudai.ac.jp)

Muthupandian Ashokkumar, University  
of Melbourne, Melbourne, Australia  
[masho@unimelb.edu.au](mailto:masho@unimelb.edu.au)

**Manuscript Due**

Friday, 6 January 2017

**First Round of Reviews**

Friday, 31 March 2017

**Publication Date**

Friday, 26 May 2017