

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

Guest Editors

Vijayanand S. Moholkar, Indian Institute of Technology Guwahati, Guwahati, India
vmoholkar@iitg.ernet.in

Mingce Long, Shanghai Jiao Tong University, Shanghai, China
long_mc@sjtu.edu.cn

Ewa Kowalska, Hokkaido University, Sapporo, Japan
kowalska@cat.hokudai.ac.jp

Muthupandian Ashokkumar, University of Melbourne, Melbourne, Australia
masho@unimelb.edu.au

Manuscript Due

Friday, 6 January 2017

First Round of Reviews

Friday, 31 March 2017

Publication Date

Friday, 26 May 2017