



Journal of Chemistry

Special Issue on
**Harmful Chemicals in the Environment:
Measurement, Fate, and Remediation**

CALL FOR PAPERS

Many environmental contaminants today were originally designed for beneficial uses, including protection of materials, healing the sick, controlling pests, fertilizing crops, or changing the flavors of food. Out of context from their original intended uses, these chemicals may be harmful to environmental resources or the usefulness of resources. Their harm to environmental resources and human health may be greater than their benefit to society. Additionally, many harmful chemicals are generated as wastes from industrial or agricultural processes and some originate from natural processes. A wide range of harmful chemicals can contaminate our water, land, or air, impacting the environment and human health. Ongoing research is focused on novel analytical methods, fate of these chemicals in the environment, and treatment technologies. We invite authors to submit original research articles describing novel analytical methods for monitoring harmful chemicals in various environments. Additionally, we invite contributions of original research articles as well as review articles that focus attention on pollution control processes and technologies for harmful chemicals, as well as articles describing the fate of harmful chemicals in natural and engineered environments.

Potential topics include, but are not limited to:

- ▶ Novel analytical methods for identifying and quantifying harmful chemicals in different matrices. Chemicals may include persistent organic pollutants, endocrine-disrupting chemicals, pharmaceuticals and personal care products, heavy metals, pesticides, and odor chemicals
- ▶ Fate of harmful chemicals in water, air, soil, sediment, living organisms, and ecosystems
- ▶ Fate of harmful chemicals in engineered treatment systems. Engineered treatment systems may include water/wastewater treatment plants, constructed wetlands, on-site wastewater treatment systems, remediation systems for contaminated soil or groundwater, landfill sites, and tailings ponds
- ▶ Pollution control processes and technologies including biological, physicochemical, and advanced oxidation processes

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jchem/environmental.chemistry/harm/>.

Lead Guest Editor

Jian Lu, University of Florida, Fort
Pierce, USA
lujian.leonard@gmail.com

Guest Editors

Patrick C. Wilson, University of Florida,
Fort Pierce, USA
pcwilson@ufl.edu

Xianghua Wen, Tsinghua University,
Beijing, China
xhwen@tsinghua.edu.cn

Qiang Jin, Shanghai Jiao Tong
University, Shanghai, China
qiang.jin@outlook.com

Jun Wu, University of Wyoming,
Laramie, USA
wujunlisa@gmail.com

Manuscript Due

Friday, 12 December 2014

First Round of Reviews

Friday, 6 March 2015

Publication Date

Friday, 1 May 2015