



Journal of Chemistry

Special Issue on
Occurrence and Remediation of Pollutants in the Environment

CALL FOR PAPERS

In recent years, advances in human society have involved the use of large amounts and varieties of xenobiotics in various areas of our life, which certainly leads to their release into the surrounding environment. The occurrence of pollutants in air, water, and soil in turn affects biota and human health. Even though the individual concentration of pollutant might be low, the combined concentration could be considerable. In addition, each pollutant could undergo structural changes through various transformation and degradation pathways. In light of the possible carcinogenicity, neurotoxicity, and/or endocrine disrupting properties of some of these pollutants as well as their metabolites and transformation products, it is necessary to identify and quantify them at low concentration levels, besides identifying approaches for their complete mineralization or breakdown into harmless products.

We invite scientists to contribute original research articles as well as review that report up-to-date progresses in environmental sciences covering the interdisciplinarity of the field. We are particularly interested in articles describing the new analytical methods and strategies for identifying and quantifying pollutants and their degradation and metabolic products in the environment as well as advances in remediation measures of such pollutants.

Potential topics include, but are not limited to:

- ▶ Development of novel analytical methods for selective and sensitive determination of pollutants and related compounds
- ▶ Quantification and identification of pollutants as well as their metabolites and transformation products in the environment
- ▶ Removal and/or transformation of pollutants
- ▶ Fate and toxicity of pollutants to biota and human health
- ▶ Analysis of different environmental matrices in order to predict the fate of pollutants

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

Lead Guest Editor

Núria Fontanals, Universitat Rovira i Virgili, Tarragona, Spain
nuria.fontanals@urv.cat

Guest Editors

Rathinam A. James, Bharathidasan University, Tiruchirappalli, India
james.msbd@gmail.com

Yong S. Ok, Kangwon National University, Chuncheon, Republic of Korea
soilok@kangwon.ac.kr

Malini Balakrishnan, The Energy and Resources Institute (TERI), New Delhi, India
malinib@teri.res.in

Jimmy T. Efrd, East Carolina Heart Institute, Greenville, USA
jimmy.efird@stanfordalumni.org

Manuscript Due

Friday, 6 February 2015

First Round of Reviews

Friday, 1 May 2015

Publication Date

Friday, 26 June 2015