



## **ENVIRONMENTAL CHEMISTRY, WATER SCIENCE FORUM AND INTERNATIONAL NETWORK OF ENVIRONMENTAL FORENSICS GROUPS**

### **Emerging contaminants in waters and soils, practical considerations: - Sampling, analysis and consequences**

To be held at The Source, Meadowhall, Sheffield on Wednesday 4 March 2015

This meeting is focussed on exploring the chemistry of Contaminants of Emerging Concern (emerging contaminants) which are those that have recently been discovered in soil and/or water environments and are considered to be a potential risk to the environment and/or human health.

#### **Registration**

On-line registration is available at:

<https://www.eventbrite.co.uk/e/emerging-contaminants-in-waters-and-soils-practical-considerations-sampling-analysis-and-tickets-13548480871>

Delegate fess are: (£200 for RSC members, £250 non-members and £150 for RSC concession members (retired, student, unemployed etc). An early bird discount is available for bookings made before the 17<sup>th</sup> February 2015.

Posters will be on display during the breaks for this meeting.

If you wish to present a poster please contact Kevin Prior at [kevin@thackie.co.uk](mailto:kevin@thackie.co.uk)

#### **Venue**

The Source, 300 Meadowhall Way, Sheffield, S9 1EA and directions can be found at:

<http://www.thesourceacademy.co.uk/location/82/find-us>

#### **Programme**

The programme is presented below and the latest version is available from:

<http://www.rsc.org/events/detail/16644/emerging-contaminants-in-waters-and-soils-practical-considerations-sampling-analysis-and-consequences>



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09.50 – 10.20	Registration and Refreshments	
10.20 – 10.30	Chair: Welcome and Introduction	
10.30 – 11.00	Emerging and Priority Pollutants – the Need for Ultra-Low Trace Level Monitoring	Rakesh Kanda, (Brunel University)
11.00 – 11.30	Comparison of Active and Passive Sampling in Relation to Contaminants of Emerging Concern	Graham Mills (Portsmouth University) and Anthony Gravell (Natural Resources Wales)
11.30 – 12.00	Measuring Continuous Concentration of Mass Pollutants in the Aquatic Environment	Maria Romero-Gonzalez (University of Sheffield and Peter Skipworth (Environmental Monitoring Solutions Ltd)
12.00 – 13.00	Lunch & poster viewing	
13.00 – 13.30	Emerging Contaminants in Groundwater in Urban Environments	Marianne Stuart, (British Geological Survey)
13.30 – 14.00	Stereochemistry of Pharmacologically Active Compounds: a New Paradigm in Environmental Analysis and Risk Assessment	Barbara Kasprzyk-Hordern (University of Bath)
14.00 – 14.30	Short- and Long-term Temporal Trend of Organic Contaminants in Soils Following Single or Multiple Applications of Sewage Sludge to Pastures	Zulin Zhang, (James Hutton Institute)
14.30 – 15.00	Refreshment break & poster viewing	
15.00 – 15.30	Emerging Contaminants in Soils: Challenges and Opportunities from Quantification to Remediation	Christine Switzer (University of Strathclyde)
15.30 – 16.00	Sustainable Water Treatment	Simon Parsons
16.00 – 16.30	Discussion	