



**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 fees 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 17th 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

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	