



Indo-UK workshop on monitoring and analysis strategies for anthropogenic pollutants in environmental and waste waters

12-15 November 2018 | Royal Orchid Convention Centre, Bangalore, India



UK Coordinator: Dr Richard Allan, The James Hutton Institute (JHI)

India Coordinator: Dr Priyanka Jamwal, Ashoka Trust for Research in Ecology and the Environment (ATREE)

We are inviting Early Career Researchers from the UK and India to apply to attend this workshop. All economy flights and reasonable accommodation expenses will be covered. Application deadline for applications is Friday, 20th July 2018

Disciplines: Environmental Science;
Environmental Chemistry; Analytical Chemistry;
Water Quality Regulation and Monitoring

Dates: 12 to 15 November 2018

Venue: Royal Orchid Convention Centre,
Bangalore, India

Under the Researcher Links scheme offered within the Newton Fund, the British Council, in partnership with the Royal Society of Chemistry, will be holding a four day workshop on the above theme at the Royal Orchid Convention Centre, Bangalore, India on 12-15 November 2018.

The workshop is being coordinated by Dr Richard Allan (JHI, UK), Dr Priyanka Jamwal (ATREE, India) and Prof Gary Fones (University of Portsmouth, UK) and will have contributions from leading researchers from the UK and India (Prof M.S. Mohan Kumar [IISc, Bangalore], Prof Ligy Philip [IIT, Madras], Dr Anthony Gravell [Natural Resources Wales], Prof Graham Mills [University of Portsmouth] and Dr Ian Barnabas [Northumbrian Water]).

Participation: This is an **Open Call** with a fair assessment process to select participants, based on their experience (maximum up to 10 years post-PhD experience), relevance of their research to the workshop, motivation and ability to disseminate the workshop's outcomes.

The British Council Researchers Links' programme provides opportunities for early career researchers (ECRs) from the UK and internationally to interact, learn from each other and explore opportunities for building long-lasting research collaborations. During the workshop, ECRs have the opportunity to present their research in the form of a poster presentation and discuss it with established researchers and other ECRs. One of the main focuses of the workshop is establishing and building on links for future collaborations.

To apply: All economy flights and reasonable accommodation expenses will be covered by the Newton Researcher Links programme. The application form can be downloaded from here <http://www.hutton.ac.uk/events/indo-uk-workshop-2018> and should be sent to lesley.blyth@hutton.ac.uk before the deadline of **20th July 2018**. The successful applicants will be notified by 3rd August 2018.



Workshop Outline:

There is currently a need to co-ordinate the capability building for the analysis of regulated and un-regulated chemical pollutants in surface, drinking and waste waters in India. This will allow a comparison of raw water quality, drinking water quality and waste water discharges. Currently each jurisdiction across India apply variations of chemical tests and sampling regimes, meaning that there are uncertainties within each data set. This causes difficulty in accurately determining the national water inventory information in a way that is meaningful for establishing quality guidelines and remediation strategies. This has serious human health consequences and impacts on socio-economic growth for the country. We wish to focus on delivering a workshop that explores and contrasts international regulatory approaches, analytical chemistry methodologies and monitoring strategies. This will inform India's national water monitoring strategy for chemicals in a way that can be consistently applied at a regional and national level. The workshop brings together UK/Indian experts in environmental regulatory affairs, water quality and chemical sciences. These will alert early career researchers (ECRs) of these issues and over the longer term, how monitoring strategies and laboratory infrastructure can be built up in India to address this issue. A data set of chemical parameters will inform strategies for leading research in chemical sciences for the ECRs.

Workshop objectives:

One of the key objectives of the workshop is to support both the Indian and UK early careers researchers (ECRs) in leading the development of monitoring strategies for chemical parameters that will inform and support national regulatory and policy initiatives in India. It will thus enable the ECRs to develop a knowledge base that will inform the development of their research agenda in the field of environmental and chemical sciences. The ECRs brought together for this workshop will work and interact with a number of international experts who have a proven track record in formulating national policy on regulation and monitoring of chemical parameters in the aquatic environment. Bringing together these ECRs and experienced academics will inform how capacity in India can be developed for analytical chemistry and monitoring strategies.

The development of a national strategy for monitoring chemical parameters will lead to the development of a national database of water quality data that can be used by the ECRs. Key note lectures (organisers and mentors) and research sessions (led by the ECRs) will help to achieve the objectives relating to the monitoring and analysis strategies.

Participants:

The key target audience for the workshop will be early career researchers from both India and the UK. They will predominantly be environmental and analytical chemists/scientists who have interests in water quality monitoring and analysis of different classes (e.g. metals, nutrients and organics) of pollutants. There will also be a smaller number of ECRs who have research interests in regulation and management. As well as the two co-coordinators and mentors it is envisaged that there will also be a number of local Indian delegates who will be able to contribute to research sessions, workshops and networking sessions for the ECRs. These invited delegates will be regulators, managers, environmental policy makers and scientists, from Indian water and pollution control bodies. To assist some of the workshop sessions on international collaboration and funding, members from the Indian RCUK, Royal Society of Chemistry and IUKWC will also be invited to explore ideas with the ECRs.

There will be a total of 24 ECRs supported by the Researcher Links grant (12 people from the UK and 12 people from India). In addition to the early stage researchers the organisers would expect 10-20 additional self-funded delegates. These would be technical/scientific participants (those from governmental, regulatory, water suppliers, NGOs and other recognized organisations, [mostly Indian-based]) and equipment manufacturers to be self-funded in terms of their travel/subsistence costs.

For further enquiries/information, please contact:

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