



DST - Science & Engineering Research Board (SERB) sponsored
International Conference on

Emerging Contaminants in Water and Environment (ECWE-2019)



21-23
JAN 2019

Preconference Workshop on

"Molecular Techniques For Emerging Contaminants' Impact Assessment"

21
JAN 2019

Venue:
PSG Institute of
Advanced Studies
Coimbatore
India

Organised by

**PSG INSTITUTE OF ADVANCED STUDIES &
PSG - STEP: NANOTECH RESEARCH INNOVATION
AND INCUBATION CENTRE (NRIIC)**

COIMBATORE - 641 004. INDIA

 www.psgstep.org/ecwe2019

Conference THEME

Emerging contaminants are a class of contaminants that have largely been outside the scope of monitoring and regulations in water and environment. Such contaminants are a serious issue and have been reported to be on rise in various countries throughout the world including India. The emerging contaminants which have been prominently reported are endocrine disrupting chemicals, pharmaceuticals and personal care products, surfactants and their degradation products, plasticizers, pesticides, flame retardants, nanomaterials, radioactive compounds, biological materials etc.

The ecological disturbances and the health impact on people caused by these emerging contaminants are on rise and need to be addressed without delay and utmost care. Considering the seriousness of the issue being addressed, this exclusive conference will be an excellent platform to bring together students, faculty, researchers governmental and non governmental agencies and industries to share their knowledge, experience and problems faced with respect to emerging contaminants from origin to treatment.

Preconference WORKSHOP THEME

The preconference workshop will cover molecular techniques used in impact assessment of emerging contaminants in biological system. The workshop will provide practical knowledge on molecular techniques like De nova transcriptome analysis, metagenomic analysis and its applications, data collection, software used, interpretation of data etc., related to emerging contaminant. The Workshop will be handled by experts from University of Newcastle, Australia and PSG College of Technology.

Technical Sessions

- n Emerging contaminants*: origin, identification and analytical
- n Containment, transport and transformation of emerging contaminants
- n Biological interactions, decontamination and toxicology
- n Molecular techniques for assessment of emerging contaminants
- n Treatment technologies and advances

* Pesticides, herbicides, microplastics, metals, metalloids, and nanomaterials, pharmaceutical, radioactive / ionic, PFOS / PFOA, contaminants of biological origin, polymeric contaminants and any other emerging contaminants not mentioned above in water and environment.

PSG Institute of Advanced Studies

PSG Institute of Advanced Studies (PSG IAS), one among the many educational institutions nurtured by PSG & Sons' Charities Trust was established in year 2005-06. The Nanotech Research Facility of PSG IAS was inaugurated by Dr. A. P. J. Abdul Kalam, Former President of India in 2009. The Institute is affiliated to Anna University and Bharathiar University, Coimbatore as a research centre for carrying out research leading to M. Phil and PhD in the field of Nano Science and Technology, Nanobiotechnology, Biotechnology, Advanced Manufacturing, Fuel Cells and Information Technology. The main motto of the Institute is to inculcate the spirit of enquiry among learners. The Institute currently undertakes several sponsored projects from funding agencies like DST, SERB, DBT, DRDO, etc. The Institute is a partner for various international programs and has collaboration with various universities like University of Toledo, San Diego State University, Texas A & M University, University of Oklahoma, Colorado State University, Colleges of Nanoscale Science and Technology, Albany, University of Central Florida, Georgia Tech, Wright State University, USA, Hof University of Applied Sciences, University of Applied Science, Bochum, Germany, University of South Australia, Deakin University, Flinders University, RMIT, Australia, University of Leeds, UK etc.

PSG-Science & Technology Entrepreneurial Park (PSG-STEP): NRIIC

The PSG-STEP: Nanotech Research, Innovation and Incubation Centre (NRIIC) has been established at PSG-STEP with the support from National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Government of India, PSG College of Technology and PSG Institute of Advanced Studies. The thrust areas identified under the NRIIC are Smart Textiles, Plastic Electronics, Energy & Health Care. PSG-STEP: NRIIC provide technical services that include R & D activities, product development, re-engineering, calibration, testing facilities, quality assurance and market research to the entrepreneurs.

Organizing Committee

Patron

Shri. L. Gopalakrishnan

Managing Trustee, PSG & Sons'
Charities Trust, Coimbatore

Chairman

Dr. P. Radhakrishnan

Director, PSG Institute of Advanced Studies,
Coimbatore

Organizing Secretary

Dr. R. Selvakumar

PSG Institute of Advanced Studies, Coimbatore

Joint Organizing Secretary

Dr. Amitava Bhattacharyya

PSG College of Technology, Coimbatore

Dr. K. Suresh Kumar

PSG-STEP, Coimbatore

Dr. S. P. Suriyaraj

PSG-STEP, Coimbatore

Scientific Advisory Committee

Prof. Chittaranjan Ray, University of Nebraska, Lincoln, USA

Prof. Sheldon Landsberger, University of Texas, Austin, USA

Prof. Rummana Riffat, George Washington University, Washington DC, USA

Prof. Seeram Ramakrishna, National University of Singapore, Singapore

Prof. Suresh Valiyaveetil, National University of Singapore, Singapore

Prof. Bas Baskaran, Deakin University, Australia

Prof. Ravi Naidu, GCER, University of Newcastle, Australia

Prof. Megharaj Mallavarappu, GCER, University of Newcastle, Australia

Dr. Raja Dharmarajan, GCER, University of Newcastle, Australia

Dr. Keneiloe Sikhwivhilu, MINTEK, South Africa

Dr. C. J. Arnusch, Zuckerberg Institute of Water Research, Israel

Dr. U. Kamachi Mudali, Heavy Water Board, DAE, Mumbai, India

Prof. K.M. Paknikar, Agharkar Research Institute, Pune, India

Prof. T. Pradeep, Indian Institute of Technology Madras, Chennai, India

Prof. Rajendra Prasad Patury, Andhra University, Visakhapatnam, India

Dr. K. Krishnamurthi,

National Environmental Engineering Research Institute (NEERI), Nagpur
India

Prof. A.B. Gupta, MNIT, Jaipur, India

Prof. Elango Lakshmanan, Anna University, Chennai, India

Dr. Depeesh Patidar, Defence Laboratory (DL), Jodhpur, India

Dr.K. Kalaiselvi, PSG College of Arts and Science, Coimbatore, India

Dr. K. Kadirvelu, DRDO BU Centre for Life Science, Coimbatore, India

Dr.M. Palanivel, PSG College of Arts and Science, Coimbatore, India

Expected Speakers

Leading International Scientists, researchers and Professors from Australia, Singapore and South Africa are expected to present their findings. Experts from various IITs, CSIR labs, Indira Gandhi Centre for Atomic Research, Kalpakkam, Bhabha Atomic Research Centre, Bombay, Uranium Corporation of India, Central and state Universities, Eureka Forbes Ltd, Industrial Waste Management Association, and research Institutes are expected to deliver keynote and invited lectures in the conference.

Registration Details

Participant	Registration Fee (INR)*			
	Before 30 th December 2018 (Conference +workshop)**	After 30 th December 2018 (Conference +workshop)**	Before 30 th December 2018 (conference only)	After 30 th December 2018 (conference only)
Faculty/Scientists	2000	2500	1500	2000
Students/Scholars	1500	2000	1000	1500
Industry	4000	5000	3000	4000
Innovators/Startups	2000	2500	1500	2000
Accompanying persons	1500	2000	1000	1500

* Registration fee includes registration kit and working lunch,

** Number of participants for Workshop is restricted to 40 on first come first serve basis

Registration fee covers admission to all presentations, conference lunch, refreshments and **conference proceedings (with ISBN number)**. Filled in registration form should be submitted along with registration fee. **Demand draft should be drawn in favor of PSG - STEP payable at Coimbatore. Registration and abstract submission can be made online. visit www.psgstep.org/ecwe2019**

Oral and poster presentation

The authors are invited to submit their abstract for the conference as per the prescribed format (Please refer to registration form for format). The abstracts will be selected for oral or poster by the scientific advisory committee and will be intimated through email (ecwe2019@gmail.com). Last date for receiving the abstracts is **30th December 2018**. Intimation regarding oral/poster presentation will be done on **1st week of January 2019**. **Best oral and poster presentation will be awarded.**

Sponsorship Opportunities

This conference provides excellent opportunities for industries/companies for gain publicity by showcasing their latest products and technologies to a highly focused audience. The networking with the speakers and participants from various sections of these industries is a added benefit out of this conference. Exhibition of their products in this conference will help the participants to appreciate the state of art technologies in this field. The details of sponsorship are available in the sponsorship form.

Contact :

Dr. R. SELVAKUMAR

Organizing secretary, ECWE-2019
Associate professor in Nanobiotechnology
PSG Institute of Advanced Studies, Peelamedu,
Coimbatore-641 004,
Ph. : 0422 4344000 (Ext. 4328)
Mobile: 9944920032,8870697986,
E-mail: ecwe2019@gmail.com, step@psgtech.edu,
Fax: 0422 2573833
www.psgstep.org/ecwe2019

Supported by



Registration Form

Name :

Faculty Student Industry Innovators/Startups

College/Institute/Organization/company:

Contact Details: Accompanying persons if any

Address :

Phone :

E-mail:

Registration Details:

Conference + workshop: Conference only

Accommodation* required: Yes No

Title of Abstract:

Preferred presentation: Poster/Oral Participation only

Abstract can be Submitted Online at www.psgstep.org/ecwe2019

Payment details

Payment Mode: **Demand Draft in favor of “PSG -STEP”, payable at Coimbatore**

DD Number: Drawn at :

Date of DD:

Amount:

Signature of applicant with date

Kindly send the filled registration form and DD to:

Dr. R.Selvakumar, Organizing Secretary, ECWE-2019

PSG Institute of Advanced Studies Post Box: 1609, Avinashi Road, Peelamedu

Coimbatore – 641004, India

Website: www.psgstep.org/ecwe2019

* subjected to availability