

Indo-US Workshop on "Emerging issues in Environmental Public Health: Dissecting Genetic and Exposome Perspectives"

3rd-5th January 2024



About Workshop

CSIR-NEERI, NIH-NIEHS and ICMR-NIOH jointly extend a cordial invitation to participate in the Indo-US Workshop on "Emerging Issues in Environmental Public Health: Dissecting Genetic and Exposome Perspectives" at Nagpur from 3rd-5th January 2024. The goal of the workshop is to assess the current state of science in environmental health from an individual perspective on the concept of exposome. This workshop aims to provide participants with an outlook in developing a comprehensive understanding of environmental health effects, on human beings and enabling the development of preventive and interventional strategies for promoting public well-being. In addition, it will also serve as an event to identify potential areas for collaborative interactions in realizing the goals of the MoU between CSIR and NIEHS for solving key environmental and occupational health challenges.

Workshop Themes

- **Health effects of air pollution**
- **Emerging contaminants (water, soil)**
- **Susceptibility issues in environmental and occupational health.**
- **Environmental health effects assessments.**
- **Omics approaches for exposure assessment**
- **Environmental Pollution & Health Assessment**

Venue

CSIR-National Environmental
Engineering Research Institute
CSIR-NEERI), Nehru Marg, Nagpur-
440020 (Maharashtra), India
www.neeri.res.in

CSIR-NEERI

CSIR-NEERI, Nagpur is the only national laboratory in India to tackle the pressing issues of environmental pollution, health and ecosystem monitoring as well as provides solutions to overcome environmental pollution and ecosystem health. NEERI has been collaborating with academic and research institutions on environmental science and engineering for mutual benefit.

NIH-NIEHS

The NIEHS based in the USA is a research wing of NIH that uses state-of-the-art science and technology to investigate the interplay between environmental exposures, human biology, genetics, and common diseases to help prevent disease and improve human health and well-being of people everywhere.

ICMR-NIOH

ICMR-NIOH, Ahmedabad is a leading research institute in India for prevention and control of occupation-related Health problems by creating a safer work environment through intensive quality research, development of technology for risk minimization and dissemination of knowledge generated.

Organizing Partners



Organizing Committee

Patron

Dr. A. N. Vaidya

Director CSIR-NEERI, Nagpur, IN
Tel.: 91-712-2249885-88
Email: director@neeri.res.in

Chairman

Dr. K. Krishnamurthi

Chief Scientist & Head,
HTC, CSIR-NEERI, Nagpur, IN

Conveners

Dr. Saravanadevi Sivanesan

Chief Scientist
CSIR-NEERI, Nagpur, IN

Dr. Srikanth Nadadur

Chief, Exposure, Response & Technology
Branch, NIH-NIEHS, USA

Dr. Santasabuj Das

Director
ICMR-NIOH, Ahmedabad, IN

Co-Conveners

Dr. Siva Perumal

Scientist & Head,
ICMR-NIOH, Ahmedabad, IN

Dr. U. Mahabalarajan

Sr. Principal Scientist
CSIR-IICB, Kolkata, IN

Dr. Sadanand Sontakke

Sr. Principal Scientist
HTC, CSIR-NEERI, Nagpur, IN

Treasurer

Dr. Amit Bafana

Principal Scientist
HTC, CSIR-NEERI, Nagpur, IN

Important Dates

- **Early bird registration : December 20, 2023**
- **Last date for registration : December 31, 2023**

REGISTRATION FEES

	<u>Early bird</u> (Till 20th Dec)	<u>Regular</u> (After 20th Dec)	<u>Spot</u>
• Student/PG/Research Scholar	INR 2000	INR 2250	INR 2500
• Faculty/Researcher	INR 5000	INR 7000	INR 8000
• Industrial Participant			INR 10000
• Stall			INR 50,000

Payment Link

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=271166>

Registration Details

<https://docs.google.com/forms/d/1jWKeqEEC-rKEXmdpqAloWYd4GwC0zSUOty6NfBa34wE/edit>

DELEGATE REGISTRATION FORM

(Form can be used for sponsoring more than one delegate)

Workshop Dates: 03rd - 05th January 2024

Name: Mr./Mrs./Dr.....

Organization/Industry:

Address:

Phone: Email:

Registration details:

ABSTRACT SUBMISSION

Abstracts (250-300 words) related to the workshop themes are invited through online submission only after registering for the workshop. Submissions through e-mail, fax or post will not be considered. All abstracts submitted on or before December 25th will be considered and peer-reviewed by the scientific committee.

Authors will receive notification of provisional acceptance for poster presentation by December 30th.

Submission link:

https://docs.google.com/forms/d/e/1FAIpQLSfvQxEG60ilFuctiRZZnB8l0wlyLZFn5HVeTf1dz7is9ywmYw/viewform?usp=pp_url

*Accommodation arrangement will be made at various Guest houses/Hotels by organizers on payment basis.



Benefits for sponsors:

REGISTRATION	Platinum	Diamond	Golden	Silver	Bronze
Complimentary registrations for all days	✓	✓	✓	✓	Attending free Inaugural Session
Seats	6	4	2	1	-
EXHIBITION					
Exhibit space	✓	✓	✓	✓	✓
Priority Selection of space location	✓	✓	✓	✗	✗
VISIBILITY					
Logo in Workshop Programme	Full time	Full time	Often	Often	Limited
Logo on Workshop Website	✓	✓	✓	✓	✓
Company details on Workshop Proceedings	✓	✓	✓	✓	✓
Advertisement on Workshop Proceedings (*)	Full Page	Half Page	Half	Quarter	✗
On-site signage	Full time	Full time	Often	Often	Limited
Logo on event materials	✓	✗	✗	✗	✗
Promotional material in Workshop kit	✓	✓	✓	✗	✗
Logo in pre-event PDF publication (sent to all participants)	✓	✗	✗	✗	✗
Compliments to Participants	✓	✓	✗	✗	✗
Sponsors	7.5 Lakhs	6 Lakhs	5 Lakhs	2.5 Lakhs	1 Lakh

Day 1: January 3, 2024**Inaugural Session 1 (9.00 am - 10.30 am)**

Chair and Welcome address	:Dr. Atul N Vaidya, CSIR-NEERI, Nagpur, IN
Opening remarks and overview of the workshop	:Dr. K. Krishnamurthi, CSIR-NEERI, Nagpur, IN Dr. Srikanth Nadadur, NIEHS-NIH, USA
Speaker Introduction	:Dr. K. Krishnamurthi, CSIR-NEERI, Nagpur, IN
Keynote: Precision environmental health	:Dr. Richard Woychik, NIEHS, USA

Break

Session 2: Air Pollution Health Effects (11 am – 1.00 pm)

Chairs	:Dr. Irfan Rahman, University of Rochester, USA Dr. Rajesh Biniwale, CSIR-NEERI, Nagpur, IN
Talk 1: Building related illness-more frequent than identified	:Dr. T. K. Joshi, MAMC, New Delhi, IN
Talk 2: Air pollution epidemiology	:Dr. George Thurston, New York University, USA
Talk 3: Environmental factors (indoor and outdoor) and lung diseases	:Prof. Mahesh PA. JSS Medical College, Mysore, IN

Lunch: 1 - 2 pm

Session 3: Emerging Contaminants (Water, Soil) (2.00 pm – 3.30 pm)

Chairs	:Dr. Santasabuj Das, ICMR-NIOH, Ahmedabad, IN Dr. M.P. Patil, CSIR-NEERI, Nagpur, IN
Talk 1: Endocrine disruptors	:Dr. Thadeus Schug, NIEHS, USA
Talk 2: PFAS chemicals	:Dr. Sivaperumal, ICMR-NIOH, Ahmedabad, IN
Talk 3: Emerging environmental exposures and pulmonary morbidity	:Dr. Irfan Rahman, University of Rochester, USA

Break (3.45 pm - 4.00 pm)

Session 4: Environmental Pollution & Health Assessment (4.00 pm – 5.00 pm)

Chairs	:Dr. Nitin Labhsetwar, CSIR-NEERI, IN Dr. Asha Lalwani, CSIR-NEERI, IN
Talk 1: Air pollutants induced health impacts study using proteomics approach	:Dr. Prem Kumari, Health Canada, Canada
Talk 2: WTC particulate matter associated health effects	:Dr. Arul Veerappan, New York University, USA
Talk 3: Health risk assessments of MSW landfills at India & Nigeria: Insight into mechanism of genetic damage	:Dr. Chibuisi Alimba, IFADO, Germany
Talk 4: Air pollution PURI-HF trials	:Dr. Nitish Naik, AIIMS-New Delhi, IN

Poster Presentation (5.15 pm - 6.15 pm)

Cultural Program followed by Director's Dinner (6.30 pm)

Day 2: January 4, 2024**Session 5: Omics Approaches for Exposure assessment (9.30 am – 11.00 am)**

Chairs	:Dr. Hemant Purohit, CSIR-NEERI, Nagpur, IN Dr. U. Mahabalirajan, IICB, Kolkata, IN
Keynote: Exposome concept	:Dr. David Balshaw, NIEHS, USA
Talk 1: Omics approaches for exposure-response relationship determinations	:Dr. Robyn Tanguay, Oregon State University, USA
Talk 2: Analytical and Metabolomics approaches to evaluate and understand the contaminants behaviour in various model organisms	:Dr. Mohana Krishna Reddy Mudiam, IPFT, IN

Break (11.00 am - 11.15 am)

Session 6: Susceptibility issues in Environmental and Occupational Health (11.15 am - 1.15pm)

Chairs	:Dr. Zahiruddin Quazi Syed, DMIHER, Wardha, IN Dr. Devendra Parmar, CSIR-IITR, Lucknow, IN
Talk 1: How Science guides environmental public health protection in the USA?	:Dr. Srikanth Nadadur, NIEHS-NIH, USA
Talk 2: Health risk assessment case study (Coal dust exposure at Wani in comparison to Arni, Maharashtra)	:Dr. K. Krishnamurthi, CSIR-NEERI, IN
Talk 3: Integration efforts in India on toxicology and epidemiology	:Dr. C. Kesavachandran CSIR-NIIST IN
Talk 4: Air pollution epidemiological studies in India	:Dr. Prabhakaran, PHFI, New Delhi, IN

Lunch (1.15 pm - 2.00 pm)

Session 7: Environmental Health Effects Assessments (2.15 pm - 4.15 pm)

Chairs	:Dr. George Thurston, New York University, USA Dr. Qamar Rahman, Amity University, IN
Talk 1: Indian air pollution monitoring and Health risk assessment activities	:Dr. Anirban Middey, KZL CSIR-NEERI, Kolkata, IN Dr. Saravanadevi Sivanesan, CSIR-NEERI, Nagpur, IN
Talk 2: Cancer Susceptibility Issues in Environmental Health	:Dr. Irina Stepanov, University of Minnesota, USA
Talk 3: Occupational exposures and disease Susceptibility focus	:Dr. Santasabuj Das, ICMR-NIOH, IN
Talk 4: Cigarette smoke/environmental irritants induced health problems	:Dr. U. Mahabalirajan, IICB, Kolkata, IN
Talk 5: Occupational and Environmental Lung disease	:Dr. Arthur L. Frank, Drexel University, USA

Break (4.15 pm - 4.30 pm)

Moderated Interactive Session (4.30 pm - 5.30 pm)

Moderators	Dr. Atul Vaidya, CSIR-NEERI, Nagpur, IN Dr. K. Krishnamurthi, CSIR-NEERI, Nagpur, IN Dr. Srikanth Nadadur, NIEHS-NIH, USA Dr. Santasabuj Das, ICMR-NIOH, Ahmedabad, IN Mr. Ashok Dixit, WCL, Nagpur, IN Dr. K.V. George, CSIR-NEERI, Nagpur, IN Dr. R. R. Tiwari, ICMR_NIREH, Bhopal, IN Dr. Harshal Salve, AIIMS, New Delhi, IN
Identify potential opportunities for: 1. Research collaborations 2. Training opportunities	

Adjourning and Closing Remarks: CSIR-NEERI

Day 3: January 5, 2024

Morning session

Morning Field Visit - Visit to Open Cast Coal Mine near Nagpur

Lunch