

E-Conference

Environmental Determinants of Infectious Diseases in India (Focus COVID-19)

Date: 7th to 10th December 2020

Background

The epidemiological triad for infectious diseases, including COVID-19, consists of environment, agent and host factors. There is a large body of evidence linking environmental factors such as temperature and humidity with infectious disease such as malaria, cholera and the like. However, particularly in the case of COVID-19, the impact of climatological, environmental and extreme weather risk factors such as temperature, humidity and air pollution are less clear. The e-conference will also address critical challenges of multiple disasters such as when cyclones and COVID-19 co-exist. The Indoor Environment is also of particular concern including workplace, school and industry settings, especially in terms of ventilation and air-conditioning. The meeting is expected to bridge this gap and suggest new areas that can be explored to move the field of environment and COVID-19 forward.

Goals and Objectives of the Conference

- To comprehend the association of climate, environment and natural disasters with infectious disease in India with a focus on COVID-19
- To orient students and scholars with research methods in these areas
- To understand how this knowledge can be applied in practice

Conference Design

The main conference will be over 4 half-day sessions, with each of the following subthemes being a focus on a given day

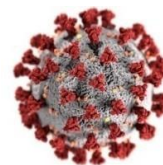
- Climate
- Air Pollution
- Extreme Weather
- Indoor Environment

Deliberations will be through a keynote lectures, expert sessions, panel discussions, posters and oral sessions by scholars

Conference outcomes

- Proceedings of the meeting
- Strengthening scholar research skills
- Dissemination via social media and other channels
- Select presentations published in a journal special issue
- Expanding the UCHAI community of practice (uchai.net)
- For more details see web-link (www.tinyurl.com/iihmreconference)
- Register at

https://niehs.zoomgov.com/webinar/register/WN_bRGIJwTmSuiF4HfvqB3aIQ?timezone_id=Asia%2FCalcutta



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Environmental Determinants of Infectious Diseases in India (Focus COVID-19)

Time: 6:00 PM to 9:00 PM (IST) /7:30 AM to 10:30 AM (EST)

Date: 7th to 10th December 2020

Conference Session Outline (as per IST)

DAY 1: Monday, 7th December 2020 (Theme: Climatological Determinants)

Session 1: 6:00 to 7:15 PM Inauguration

- 6:00 to 6:05 PM** **Conference Overview**
Dr. Nitish Dogra, Conference Organizer, Convenor, CCEH & Associate Professor., IIHMR, Delhi
- 6:05 to 6:10 PM** **Welcome Address on Behalf of Host Institute**
Dr. Sutapa B Neogi, Acting Director, IIHMR Delhi
- 6:10 to 6:15 PM** **Opening Remarks**
Dr. S D Gupta, Trustee Secretary, IIHMR Delhi and Chairman, IIHMR University
- 6:15 to 6:20 PM** **Address on behalf of NIEHS**
Dr. Gwen Collman, Acting Deputy Director, NIEHS, NIH, United States
- 6:20 to 6:30 PM** **Address on behalf of IMS**
Dr. M Mohapatra, Director-General, IMD, New Delhi
- 6:30 to 6:35 PM** **Address on behalf of UCHAI**
Dr Anand Krishnan, Professor, Centre for Community Medicine, AIIMS, New Delhi
- 6:35 to 6:45 PM** **Address on behalf of US Embassy**
Dr. Preetha Rajaraman, Health Attache
- 6:45 to 6:55 PM** **Special Address**
Dr. V M Katoch, NASI-ICMR Chair on Public Health, Rajasthan University of Health Sciences (RUHS)
- 6:55 to 7:15 PM** **Keynote Speaker**
Dr. Randeep Guleria, Director, AIIMS, New Delhi

Break: 7:15 to 7:30 PM

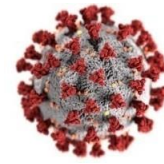
Session 2: 7:30 to 8:30 PM Expert Session on Climatological Determinants of Infectious Diseases

Chair: *Dr. A.K. Sahai, Scientist G, Indian Institute of Tropical Meteorology (IITM), Pune*

Speakers: *Dr. Ben Zaitchik, Associate Professor, Johns Hopkins University, United States*
Dr. Sagnik Dey, Associate Professor, Centre for Atmospheric Sciences, IIT Delhi
Dr. Nitish Dogra, Associate Professor, IIHMR Delhi, New Delhi
Dr. D. R. Pattanaik, Scientist F, IMD, New Delhi

Session 3: 8:30 to 9:00 PM Summary by Scientific Committee Members (proposed)

Dr. Ramesh Dhiman, Consultant (Former Scientist G), ICMR-NIMR, New Delhi
Dr. Raza Rafiqul Hoque, Professor, Tezpur University, Assam



DAY 2: Tuesday, 8th December 2020 (Theme: Air Pollution)

Session 1: 6:00 to 7:00 PM Expert Session on Impact of Air Pollution on Respiratory Infections

Chair: Dr. Anand Krishnan, Professor, AIIMS, New Delhi
Speakers: Dr. Pawan Kumar Taneja, Faculty, Indian Institute of Public Administration (IIPA), New Delhi
Dr. Shyam Biswal, Professor, Johns Hopkins University, United States
Dr. Anurag Agrawal, Director, Institute of Genomics & Integrative Biology (IGIB), New Delhi
Dr. Aakash Srivastava, Joint Director, National Centre for Disease Control (NCDC), New Delhi

Break: 7:00 to 7:15 PM

Session 2: 7:15 to 8:30 PM Panel Discussion on COVID-19 Lockdown on Air Pollution and Health

Chair: Dr. Sekhar Bonu, Director General, Development Monitoring and Evaluation Organization, New Delhi
Panelist: Dr. Kristen Koehler, Associate Professor, Johns Hopkins University, United States
Dr. Pradeep Guin, Associate Professor, O P Jindal Global University, Haryana
Dr. Harshal Salve, Associate Professor, All India Institute of Medical Sciences (AIIMS), New Delhi
Dr. S. Padma Principal Scientist, Central Road Research Institute (CRRI), New Delhi/Dr. Vikas Sharma

Session 3: 8:30 to 9:00 PM Summary by Scientific Committee Members (proposed)

Dr. Preetha Gopinathan, Associate Professor, IIMR, Delhi
Dr. Shyam Pingle, Adjunct Professor, PHFI, Gandhinagar, Gujrat

DAY 3: Wednesday, 9th December 2020 (Theme: Extreme Weather)

Session 1: 6:00 to 6:45 PM presentation by Scholars (all themes)

Presentation Dr. M.V.V. Murali Mohan, Regional Training Centre, Visakhapatnam
By Dr. Shilpy Gupta, National Institute of Urban Affairs (NIUA), New Delhi
Scholars Dr. Debanjana Moitra, IIMR Delhi
Dr. Sa'ida Begum, IIMR Delhi
Dr. Shivam Kapoor, International Union against Tuberculosis and Lung Disease (IULTD), New Delhi
Dr. Tavleen Kaur Malik, IIMR Delhi
Dr. Neha Mishra, IIMR Delhi
Dr. Soumya Rani Gouda, Xavier University, Bhubaneswar

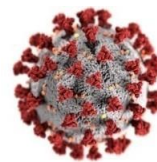
Break/Video Session: 6:45 to 7:00 PM

Session 2: 7:00 to 8:30 PM Panel Discussion on Addressing Extreme Weather & COVID-19 Synergistic Challenges

Chair: Dr. John Balbus, Senior Advisor, NIEHS, NIH, United States
Panelists: Dr. Shyamli Singh, Faculty, Indian Institute of Public Administration (IIPA), New Delhi
Mr. Kamal Kishore, Hon'ble Member, National Disaster Management Agency (NDMA), New Delhi
Ms. Suruchi Bhadwal, Senior Fellow, TERI, New Delhi
Dr. Thomas Kirsch, Director, National Center for Disaster Medicine, United States

Session 3: 8:30 to 9:00 PM Summary by Scientific Committee Members (proposed)

Dr. Shyamala Mani, Senior Advisor, PHFI, New Delhi
Dr. Muralikrishna Iyyanki, Former Director, JNTU, Hyderabad



DAY 4: Thursday, 10th December 2020 (Theme: Indoor Environment)

Session 1: 6:00 to 7:15 PM Panel Discussion on Indoor Environment and Infectious Diseases

Chair: Dr. Prashant Gargava, Member Secretary, Central Pollution Control Board, New Delhi
Panelists: Mr. S A Verma, General Manager, Delhi Metro Rail Corporation (DMRC), New Delhi
Dr. Pratibha Kale, Associate Professor, Institute of Liver and Biliary Science (ILBS), New Delhi
Dr. Ravindra Khaiwal, Additional Professor, PGIMER, Chandigarh
Mr. Leonard Pease, Engineer, Pacific Northwest National Laboratory, USA

Break: 7:15 to 7:30 PM

Session 2: 7:30 to 8:00 PM Summary by Scientific Committee Members (proposed)

Dr. Anuradha Shukla, Former Chief Scientist, CRR
Dr. Srikanth Nadadur Program Director, NIEHS, NIH

Session 3: 8:00 to 9:00 PM Session on UCHAI Experience

Chair: Dr. Sanjiv Kumar, Founder Chair, UCHAI Advisory Committee
Speakers: Dr. Meena Sehgal, Senior Fellow, TERI, New Delhi
Dr. Upasona Ghosh, Senior Lecturer, Indian Institute Of Public Health (IIPH), Bhubaneswar
Dr. Shailendra Mandal, Faculty, National Institute of Technology (NIT), Patna
Dr. Jitendra Saini, Chest Specialist Grade-1, National Institute of TB & Respiratory Diseases, New Delhi

Session 4: 9:00 to 9:30 PM Valedictory Session and Scholar Felicitations

Speakers: Dr. John Balbus, Senior Advisor, NIEHS, NIH, United States
Dr. Sutapa B Neogi, Acting Director, IIHMR, Delhi
Dr. Nitish Dogra, Conference Organizer, Convener CCEH & Assoc. Prof., IIHMR, Delhi

Conference Host

Day 1 Dr. Anandhi Ramachandran, Associate Professor, IIHMR, Delhi (Conference Co-Organizer)
Day 2 Dr. Pankaj Talreja, Assistant Professor, IIHMR, Delhi (Conference Logistics Committee Member)
Day 3 Dr. Nikita Sabherwal, Associate Professor, IIHMR, Delhi (Conference Logistics Committee Member)
Day 4 Dr. Manish Priyadarshi, Associate Professor, IIHMR, Delhi (Conference Co-Organizer)