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# Indo-US Conference on Climate Change Impacts on Occupational and Environmental Health

## **CLiCON-OEH2025**



### **26-28 February, 2025**

## **ORAL AND POSTER PRESENTATION SCHEDULE**





### **FEBRUARY 26, 2025 (DAY 1) | 4:15 PM – 6:15 PM**

-  **ORAL SESSION 1**  
**Theme:** Heat Stress, Extreme Weather, and Worker Vulnerability  
**Venue:** Hall No. 4, 2nd Floor, Narayani Heights **Number of presentation: 10**
-  **Oral Session 2**  
**Theme:** Air Quality, Pollution, and Respiratory Health  
**Venue:** Meeting Room No. 1, 2nd Floor, Narayani Heights **Number of presentation: 11**
-  **Poster Session 1**  
**Theme:** Environmental Toxicology and Pollutants (ETP)  
**Venue:** Poster Presentation Area, Narayani Heights **Number of presentation: 11**
-  **Poster Session 2**  
**Theme:** Occupational Exposures and Hazards (OEH)  
**Venue:** Poster Presentation Area, Narayani Heights **Number of presentation: 12**

### **FEBRUARY 27, 2025 (DAY 2) | 11:30 AM – 1:30 PM**

-  **Oral Session 3**  
**Theme:** Occupational Toxins, Exposures, and Health Implications  
**Venue:** Hall No. 4, 2nd Floor, Narayani Heights **Number of presentation: 12**
-  **Oral Session 4**  
**Theme:** Climate-Related Disease Burden: Vector-Borne, Infectious, and Chronic Conditions  
**Venue:** Meeting Room No. 1, 2nd Floor, Narayani Heights **Number of presentation: 10**  
*(No poster sessions are scheduled during this time.)*

### **FEBRUARY 27, 2025 (DAY 2) | 4:15 PM – 6:15 PM**

-  **Oral Session 5**  
**Theme:** Occupational Health, Safety, and Well-Being  
**Venue:** 5 Hall No. 4, 2nd Floor, Narayani Heights **Number of presentation: 10**
-  **Oral Session 6**  
**Theme:** Sustainability, Resilience, and Emerging Approaches  
**Venue:** Meeting Room No. 1, 2nd Floor, Narayani Heights **Number of presentation: 09**
-  **Poster Session 3**  
**Theme:** Climate Change and Health Implications (CCH)  
**Venue:** Poster Presentation Area, Narayani Heights **Number of presentation: 12**
-  **Poster Session 4**  
**Theme:** Innovations, Surveillance, and Waste Management (ISW)  
**Venue:** Poster Presentation Area, Narayani Heights **Number of presentation: 12**



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# Indo-US Conference on Climate Change Impacts on Occupational and Environmental Health

## CLiCON-OEH2025

### 26-28 February, 2025

#### ORAL SESSION 1

**Theme:** Heat Stress, Extreme Weather, and Worker Vulnerability

**Date & Time:** February 26 (Day 1) | 4:15 PM – 6:15 PM

**Venue:** Hall No. 4, 2nd Floor, Narayani Heights

ID#	Abstract No.	Presenting Author	Title
HS-1	ABR000010	Krishnan S	Navigating the Heat: Understanding Occupational Heat Stress and Its Health Impacts on Workers in Northeast India
HS-2	ABR000031	Purvi Patel	Health Sector Preparedness for Extreme Heat: Insights from Summer 2024
HS-3	ABR000043	Ningombam Joenna Devi	Heat-Related Illnesses among Agricultural Workers in South 24 Parganas, West Bengal: A Cross-sectional study
HS-4	ABR000068	Aditya Nath	Occupational Heat Exposure Effects on Body Temperature, Hydration Levels, and Productivity of Male Brick Moulders and Harvesters in Eastern India
HS-5	ABR000093	Ekta Ram	Urban Heat Island (UHI) Effect and its Impact on heat-related morbidity and mortality
HS-6	ABR000129	Parul Sahu	Impact of Climate Change on the Occupational Health and Well-Being of Solar Salt Workers
HS-7	ABR000131	Sudalai Subramani	Heatwave effects and mitigation: A demographic, socio-economic, and health perspective
HS-8	ABR000074	Siddharth Raina	Chronic Dehydration – Fatigue Syndrome in displaced tribal population of Manipur and Community-based Psycho-Pharmacotherapy as effective intervention
HS-9	ABR000028	Tanwi Trushna	Effect of in-utero exposure to extreme weather events on child health: Systematic Review of Indian evidence
HS-10	ABR000135	Sudesh Agrawal	Effects of hot temperature on maternal and fetal outcome: A comparative study from desert climate area of India



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# Indo-US Conference on Climate Change Impacts on Occupational and Environmental Health

## CLiCON-OEH2025

### 26-28 February, 2025

#### ORAL SESSION 2

**Theme:** Air Quality, Pollution, and Respiratory Health

**Date & Time:** February 26 (Day 1) | 4:15 PM – 6:15 PM

**Venue:** Meeting Room No. 1 (2nd Floor, Narayani Heights)

ID#	Abstract No.	Presenting Author	Title
AP-1	ABR000005	Farooq Ahmad Lone	Monitoring of Air quality with respect to Particulate Pollution: a potent health risk factor – A case study of Srinagar city
AP-2	ABR000009	Ashwini Devane	Assessing Predictors of impaired peak expiratory flow rate among rural population: an interim analysis
AP-3	ABR000023	Nancy Nagdoune	HOME SWEET HOME: “A breath full of fresh air or a lungful of woes”
AP-4	ABR000025	Ghurumurthy D.	A Community based study to assess the Prevalence of Cognitive Impairment & association with Indoor Air Pollution
AP-5	ABR000110	Anuj Shrivastava	Particulate Matter (PM) concentration and its respiratory deposition across various indoor micro-environments
AP-6	ABR000132	Vaishali Choudhary	Association Between PM2.5 Air Pollution Exposure and Neurodegenerative Disorders: A Correlational Analysis in India
AP-7	ABR000057	Ritu Parchure	Leveraging Pharmaceutical Data to Enhance City-based Air-Health Surveillance
AP-8	ABR000042	Ganesh Sahoo	Preventing Environmental Pollution due to Mercury causing Human Health Hazards at Goldsmith Workshop
AP-9	ABR000046	Ruchit Nawal	When Air Shapes Immunity: The Untold Narrative of Environmental Influence on Allergic Disease Evolution
AP-10	ABR000137	Saifi Izhar	Examining the role of particulate matter size and emission sources on toxicity
AP-11	ABR000041	Monalisa Mishra	Cocos nucifera’s husk smoke as a hypoxia inducer and developmental limiter in Drosophila melanogaster



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## CLiCON-OEH2025

### 26-28 February, 2025

#### Poster Session 1

**Theme:** Environmental Toxicology and Pollutants (ETP)

**Date & Time:** February 26 (Day 1) | 4:15 PM – 6:15 PM

**Venue:** Poster Presentation Area, Narayani Heights

ID (ETP-X)	Abstract No.	Presenting Author	Title
ETP-1	ABR000003	Neha	Impact of Environmental Quinones on the Morphology of Human Red Blood Cells and Its Function
ETP-2	ABR000036	Jyoti Thaikoothathil	Effect of metal oxide nanoparticles on human respiratory epithelium cell biology
ETP-3	ABR000045	Jyotishree Nath	Impact of Prolonged Urban Air Pollution on Health Parameters in Bhubaneswar
ETP-4	ABR000095	Joshi Poonam	Pharmacological investigations on Capsaicin supplementation in sub-acute Bisphenol-A exposed mice
ETP-5	ABR000109	Ruchi Jha	Perfluorooctanoic acid (PFOA) exposure alters vaccine-induced immune response
ETP-6	ABR000111	Zalak Jain	Metformin in Wastewater: Environmental Risks and Toxicological Insights from Systematic Review
ETP-7	ABR000113	Shramana Chakraborty	Perfluorooctanoic acid enhances ROS-mediated pathogen killing in human PMNs
ETP-8	ABR000114	Ratan Singh Ray	Phototoxicity and skin barrier disruption potential of hair dye complex under ambient UV-R
ETP-9	ABR000115	Sakshi Raval	Perfluorononanoic acid (PFNA) enhances neutrophil oxidative burst but suppresses its NET production
ETP-10	ABR000116	Ashish Dwivedi	Cellular and molecular crosstalk involved in skin allergy induced by Isoeugenol and its photoproduct
ETP-11	ABR000142	Swapnil Tripathi	Bioactive compounds alleviate combined chromium(VI) and arsenic(III)-induced oxidative stress and hepatic apoptosis



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## CLiCON-OEH2025

### 26-28 February, 2025

#### Poster Session 2

**Theme:** Occupational Exposures and Hazards (OEH)

**Date & Time:** February 26 (Day 1) | 4:15 PM – 6:15 PM

**Venue:** Poster Presentation Area, Narayani Heights (12 abstracts)

ID (OEH-X)	Abstract No.	Presenting Author	Title
OEH-1	ABR000055	Sanjeev Gupta	Assessment of Occupational and Environmental Health Risks and Challenges of Migratory Brick Kiln Workers in Gujarat
OEH-2	ABR000098	Sanjay Kotadiya	Workplace thermal microclimate assessment in copper bell-making artisans: A call for occupational health measures
OEH-3	ABR000119	Heena Vidhani	Decoding snake venom proteome and metabolomic changes in snakebite patients
OEH-4	ABR000139	Dharma Raj	Hazardous nature and risk perception of labourers working in the Construction Industry
OEH-5	ABR000147	Gitika Kharkwal	Assessing the Impact of Occupation on COVID-19 Infection Rates Across India
OEH-6	ABR000148	Vishal Nagose	High time to address NCDs (diabetes & hypertension) among metal fume-exposed workers: Observations from a cross-sectional study
OEH-7	ABR000149	Rahul Patel	Occupational exposure to metal fumes and respiratory health effects: A cross-sectional study
OEH-8	ABR000150	Krishna Vaghela	Respirable crystalline silica dust and latent TB infection among agate-stone workers in Khambhat, Gujarat
OEH-9	ABR000152	Pankaj Barfal	An assessment of occupational exposure to bioaerosols in vegetable vendors
OEH-10	ABR000153	Poonam Vyas	Airborne Aflatoxins in Oilseed Mills: Occupational Health Risks and Biotechnological Strategies for Sustainable Mitigation
OEH-11	ABR000161	Sripriya Nannu Shankar	Monitoring occupational exposure to airborne respiratory viruses in a healthcare setting
OEH-12	ABR000162	Krithiga Shridhar	Occupational pesticides exposure and breast cancer risk in agricultural workers



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# Indo-US Conference on Climate Change Impacts on Occupational and Environmental Health

## 26-28 February, 2025

### ORAL SESSION 3

**Theme:** Occupational Toxins, Exposures, and Health Implications

**Date & Time:** February 27 (Day 2) | 11:30 AM – 1:30 PM

**Venue:** Hall No. 4 (2nd Floor, Narayani Heights)

ID#	Abstract No.	Presenting Author	Title
OT-1	ABR000024	Priya Modi	Occupational Silicosis in Rajasthan's Mining Districts: An Interdisciplinary Analysis of Health Outcomes and Socio-Economic Impacts
OT-2	ABR000030	Roshan Kumar Agrawal	An Epidemiological study on health status and perception on mining in PEKB Coal Block of Surguja, Chhattisgarh
OT-3	ABR000067	Deepsi Rathore	ANA-12 Mitigates Testicular Toxicity by Modulating BDNF-Trk- $\beta$ Signaling in Pre-clinical Rodent Models of Passive Cigarette Smoking
OT-4	ABR000071	Vishakha Shrimali	Targeting Nicotinic Acetylcholine Receptors with Mecamylamine Alleviates Developmental and Neurobehavioral Deficits in Offsprings of Pre-clinical Gestational Nicotine Exposure
OT-5	ABR000080	Anupam Parashar	Pesticide exposure and chronic kidney disease of undetermined aetiology (CKDu) among people living on agriculture in Himachal Pradesh
OT-6	ABR000089	Rakhi Agarwal	Microplastics in Food from Climate-Driven Pollution and their Neuro-Behaviour Responses in <i>Caenorhabditis elegans</i>
OT-7	ABR000102	Kartikey Matte	Identification of Oxidative Stress Marker Proteins in Lead-Exposed Battery Recyclers Using Mass Spectrometry
OT-8	ABR000127	Nayanabai Shabadi	Evaluating Agrochemical Residues in Agriculturists' Biological Samples and Correlating with Potential Health Risks
OT-9	ABR000069	P. K. Selvi Permandy	RECOVERY OF ZINC FROM FLUE GAS CLEANING RESIDUE, WASTE MANAGEMENT AND HUMAN HEALTH
OT-10	ABR000075	Upasana Jayswal	Hypersensitivity Pneumonitis in Construction Workers facing high dust exposure in Dima Hasao District of Assam
OT-11	ABR000120	Mugdha Tiwari	Study of levels of pro-inflammatory cytokines in sputum of cotton dust exposed workers
OT-12	ABR000117	Ashish Dwivedi	Development of predictive markers for skin sensitization induced by photoexcited cinnamaldehyde via OMICS approaches



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# Indo-US Conference on Climate Change Impacts on Occupational and Environmental Health

## CLiCON-OEH2025

### 26-28 February, 2025

#### ORAL SESSION 4

**Theme:** Climate Related Disease Burden: Vector-Borne, Infectious & Chronic Conditions

**Date & Time:** February 27 (Day 2) | 11:30 AM – 1:30 PM

**Venue:** Meeting Room No. 1 (2nd Floor, Narayani Heights)

ID #	Abstract No.	Presenting Author	Title
CD-1	ABR000066	Devojit Kumar Sarma	Impact of climate change on Dengue vector Aedes aegypti biology and distribution in Central India: An empirical, surveillance and modelling study.
CD-2	ABR000077	Prachi Prava Panda	The impact of climatic and socioeconomic factors on vector-borne diseases (Dengue and chikungunya) transmission in rural Odisha
CD-3	ABR000084	Yash Paul Sharma	Global research trend on Impact of Climate Change on Vector-Borne Disease Dynamics
CD-4	ABR000105	Ankita Mukul	Impact of Climate Change on the Global Distribution and Burden of Vector-Borne Diseases: A Systematic Review
CD-5	ABR000083	Soundarya Soundararajan	Overall cardiovascular disease burden attributable to temperature change in India: Explorative study on climate change challenges
CD-6	ABR000085	Rakesh Balachandar	Cardiovascular disease mortality and morbidity attributable to humidity change in India: Explorative study of climate change challenges
CD-7	ABR000086	Arpita Naik	Exploring the Dual Impact of Climate Change in Mumbai: Mental and Physical Health Challenges
CD-8	ABR000091	Jhalak Dhingra	Cardiovascular disease burden attributable to humidity change in India: Explorative study on climate change challenges
CD-9	ABR000087	Bhanu Dutta Parashar	Artificial Simulation of Pulmonary Disease Progression in Chest X-Rays Based on Localized Climatic Conditions
CD-10	ABR000079	Sethu Krishnan R	EXPLORING HEALTH VULNERABILITIES IN A COASTAL ZONE IN KERALA: A CASE STUDY OF PURAKKAD IN ALAPPUZHA DISTRICT.



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## CLICON-OEH2025

### 26-28 February, 2025

#### ORAL SESSION 5

**Theme:** Occupational Health, Safety, and Well-Being

**Date & Time:** February 27 (Day 2) | 4:15 PM – 6:15 PM

**Venue:** Hall No. 4, 2nd Floor, Narayani Heights

ID#	Abstract No.	Presenting Author	Title
OH-1	ABR000016	Himalaya Singh	Morbidity Pattern and its Associated Factors among Leather Factory Workers at Agra District, Uttar Pradesh
OH-2	ABR000017	Sriandaal Venkatesvaran	Working with Pain - A Qualitative Analysis of Dysmenorrhagic Garment Factory Workers' Comfort Need and Coping Mechanisms.
OH-3	ABR000020	Supriya	ASSESSMENT OF OCCUPATIONAL FACTORS INFLUENCING MORBIDITY OF CONSTRUCTION WORKERS IN AN URBAN AREA
OH-4	ABR000022	Princee Chauhan	Occupational Health Hazards among Traffic Police in a city of Western India: A Mixed Method Approach
OH-5	ABR000053	Yogesh M	Prevalence of Burnout and Associated Factors Among Healthcare Workers in India: A Systematic Review and Meta-Analysis
OH-6	ABR000059	Mohamed Ali	Role of mental health in determining the development of NCD among bus drivers and conductors in Karaikal, South India
OH-7	ABR000060	Shreyasi Jha	Prevalence of eating disorder risk and body image dissatisfaction among IT professionals, Raigarh, Chhattisgarh
OH-8	ABR000062	Pravin Modi	Occupational Exposure to Needle Stick Injury among Healthcare Workers of government medical college and hospital
OH-9	ABR000101	Snehal Chavhan	Hematological outcomes of working in bio mining operations: A cross-sectional pilot among Bio miners of western India
OH-10	ABR000118	Sakshi Babbar	AI-Powered Worker Safety System with Personalized Alerts





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# Indo-US Conference on Climate Change Impacts on Occupational and Environmental Health

## CLICON-OEH2025

### 26-28 February, 2025

#### ORAL SESSION 6

**Theme:** Sustainability, Resilience, and Emerging Approaches

**Date & Time:** February 27 (Day 2) | 4:15 PM – 6:15 PM

**Venue:** Meeting Room No. 1, 2nd Floor, Narayani Heights

ID #	Abstract No.	Presenting Author	Title
SR-1	ABR000065	Harleen Kaur	Building Green Futures: Transforming Hospitals for Sustainability and Resilience
SR-2	ABR000112	Yogi Agarwal	Implications of climate change on landslide susceptibility in the Western Ghats: An integrated assessment
SR-3	ABR000121	G. Avinash	Forecasting Rainfall Patterns for the Next Decade: Unveiling Climate Change Impacts Using ML and Deep Learning
SR-4	ABR000124	Sonam Taneja	Climate Change, Human Health, and Environmental Sustainability: Revisiting Policies and Practices
SR-5	ABR000126	Subhajyoti Mandal	Tapping Anxiety: Climate Anxiety & Its factors among Date Palm Jaggery Workers in rural villages of Bankura
SR-6	ABR000130	Rumaan Alam	Exploring the Role of Geographic Information Systems in Mental Health: Addressing Healthcare Access & Climate Impacts
SR-7	ABR000058	Mayur Mahajan	Exploring the Impact of Salinity on the Microbiome of <i>Sargassum swartzii</i> and Its Implications for Occupational and Environmental Health
SR-8	ABR000063	Saritha Sendhil	Benefits of Scaling Up Air Pollution Reduction on Climate Change Adaptation
SR-9	ABR000078	Monalisha Sahu	Solastalgia and Quality of Life in People Residing on the Fringes of Climate Change and Environmental Disruptions in the Sundarbans: A Mixed Method Study



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# Indo-US Conference on Climate Change Impacts on Occupational and Environmental Health

## CLiCON-OEH2025

### 26-28 February, 2025

#### Poster Session 3

**Theme:** Climate Change and Health Implications (CCH)

**Date & Time:** February 27 (Day 2) | 4:15 PM – 6:15 PM

**Venue:** Poster Presentation Area, Narayani Heights

ID (CCH-X)	Abstract No.	Presenting Author	Title
CCH-1	ABR000019	SAKLAIN MUSTAK ALAM	Perceptions of Occupational Heat Stress and Its Impact among factory workers of Northeast India
CCH-2	ABR000049	Dr. Sindhuprava Rana	Impact of Climate Change on Pollen Allergens and Strategies for preventing allergic reactions: A Computational Study
CCH-3	ABR000082	Pooja Singhal	Measuring and Forecasting Impact of Pollutants on Occupational Health
CCH-4	ABR000090	Debasini Parida	Integrated Approach to Snakebite Management: A Remote Sensing & GIS-Based Model for High-Risk Zone Prediction
CCH-5	ABR000094	Asha Humbal	Climate Change and Zoonotic Diseases: Analysing the Influence of Environmental Changes on Emerging Health Risks
CCH-6	ABR000097	BhavyaModi	Role of An. stephensi variants' transmission potential with climate change
CCH-7	ABR000099	NanditaN Chaurasia	Trends in Gastrointestinal Infections Amid a Changing Climate in India
CCH-8	ABR000108	Chinnu sara Varughese	Exploring the impact of urban heat islands on health in India - a systematic review
CCH-9	ABR000133	Manju Mathew	Pattern of electrolyte disturbances due to dehydration and viral infections vs. climatic variations in ICU
CCH-10	ABR000134	Amrin Fatma	Mapping Climate Change and its Impact on the Psychological Health of Expecting Women: A Systematic Review
CCH-11	ABR000145	Suresh Kumar Rathi	Spatial variability of summer temperature and its impact on all-cause mortality for Surat (coastal) city
CCH-12	ABR000146	Suresh Kumar Rathi	Heat-related morbidity from a tertiary care hospital: A cross-sectional study



# Indo-US Conference on Climate Change Impacts on Occupational and Environmental Health

**CLiCON-OEH2025**

**26-28 February, 2025**

## Poster Session 4

**Theme:** Innovations, Surveillance, and Waste Management (ISW)

**Date & Time:** February 27 (Day 2) | 4:15 PM – 6:15 PM

**Venue:** Poster Presentation Area, Narayani Heights

ID # (ISW-X)	Abstract No.	Presenting Author	Title
ISW-1	ABR000006	Jayashree Gothankar	Assessment of capacity building of ASHA and Community Health Officers for COPD/asthma screening in rural area
ISW-2	ABR000011	Abhishek Sinha	Noise Matters: Exploring Nonauditory Health Impacts among Workers of Occupational Exposure in Northeast India
ISW-3	ABR000050	Reema Kumari	Quantum of Biomedical Waste Generated during COVID-19 in a Tertiary Care Super-specialized Hospital in North India
ISW-4	ABR000072	Debajyoti Bhattacharya	GIS-Aided Mapping and Assessment of Noise Pollution in Urban Puducherry, South India
ISW-5	ABR000073	Anuj Dave	Solid Waste and Its Role in Achieving UN-SDGs
ISW-6	ABR000100	Padmashree Ganapathyraman	Sustainable Care or Compromised Health? The Risks of Telemedicine for Healthcare Professionals
ISW-7	ABR000104	Agraj Abhishek	Detecting Structural Changes in Lungs with Rib Boundary Segmentation
ISW-8	ABR000128	Ekta Vyas	Leveraging Eco-Schools to Address Environmental Health Challenges in Rajkot
ISW-9	ABR000143	Dharati Parmar	Biochanin-A attenuates cadmium-induced oxidative damage by modulating Nrf2/HO-1 signaling in Swiss albino mice
ISW-10	ABR000158	Dharaneesh K.	Increase in discard of wired earphones during summer – A possibility of repurposing them
ISW-11	ABR000159	Tushar Sehgal	An Assessment of the Guideline on Biomedical Waste Management in a Clinical Laboratory
ISW-12	ABR000160	Bhoj Raj Verma	Waste Education Is Not a Waste!