



ASIAN CONFERENCE ON INDOOR ENVIRONMENTAL QUALITY

24th-25th February, 2023 Indian Aviation Academy,
Vasant Kunj, New Delhi, India

THEMES

LIGHTING AND
VISUAL COMFORT

PRODUCTIVITY
AND HEALTH

INDOOR AIR
QUALITY

VENTILATION AND
THERMAL COMFORT

ACOUSTIC
COMFORT

DISTINGUISHED SPEAKERS



Prof. Lidia Morawska
Technical University
of Technology, Australia



Prof. Arsen K. Melikov
Technical University
of Denmark



Prof. Pawel Wargocki
Technical University
of Denmark



Prof. Prashant Kumar
University of Surrey
United Kingdom



Dr. Prashant Gargava
Member Secretary, CPCB



Dr. V.M Motghare
Joint Director
MPCB



Dr. Rameshwar
Deputy Director, NPCCHH
MOHFWA



Dr. Rakesh Kumar
OSD, CSIR



Dr. Sumit Sharma
Program Head, UNEP



Dr. Varun Jain
Director - Technical
Sanelac Consultants



Mr. Ashish Rakheja
Managing Partner
AEON Building Consultants



Mr. Naresh Duble
Head - Marketing
Knauf Ceiling Solutions

● **35+ Expert Speakers from All Across the globe.**

● **25+ Technical Paper Presentations.**

● **15+ Sessions and Panel Discussions with Experts.**

● **15+ Product Partners.**

ASIAN CONFERENCE ON INDOOR ENVIRONMENTAL QUALITY

Day - 1 (24th February 2023)

9:00 am - 9:45 am	Registration		
9:45 am - 10:45 am	Auditorium		
	Inaugural Session Invitees Dr. Prashant Gargava, Member Secretary, CPCB (Chief Guest) National President, ISHRAE; President, SIE; Chapter Director, IAQA India Chapter		
10:45 am - 11:30 am	Key Note 1, Lidia Morawska, Distinguished Professor at Queensland University of Technology, Australia		
11:30 am - 11:50 am	Presentation by Conference Partner - KNAUF CEILING SOLUTIONS		
11:50 am - 12:15 am	High Tea Break		
12:15 pm - 1:15 pm	Hall 1 Session 1 (IAQ - Monitoring & Assessment) Moderator - Dr. Rakesh Kumar, OSD, CSIR, HQ, Delhi	Hall 2 Session 2 (Productivity and Health) Moderator - Dr. Arun Kumar Sharma, Director, ICMR - NIIRNCD, Jodhpur	Hall 3 Session 3 (Ventilation and Thermal Comfort) Moderator - Dr. Jyotirmaya Mathur, Professor, MNIT, Jaipur
	Session Mentor: Yogesh Takkar (Founder, Yogi Engineers)	Session Mentor: N S Chandrashekar (Director, Genex Consultants)	Session Mentor: Manoj Chakravorti (Consultant, ACME Consultants)
	Chemical fingerprinting of Volatile Organic Compounds - A forensic tool to apportion pollution sources in industrial microenvironments - Abinaya Sekar, George K Varghese	Microbiological profile and air quality indoor effects in the operation theatres of a tertiary care hospital: An Impact on disease burden - Kirti Nirmal, Shukla Das	Determination of air exchange rate, ventilation rate and indoor air quality index for a community kitchen - Naragam Bhanu Sree, Aditya Kumar Patra
	Session Partner presentation - CALEEDO	Session Partner presentation - Intelligent Technologies	Session Partner presentation - ALP Aeroflex
	Invited Speaker - Dr. Suresh Jain, IIT Delhi Indoor air quality in different urban microenvironments - case studies	Invited Speaker - Dr. Madhulika Bhati, CSIR-NISCP Indoor pollution and possible Science and technology intervention through the lens of scientometric study	Invited Speaker - M.P. Maiya, Professor, IIT Chennai Thermal Comfort: Evaluation and Energy Conservation
	Particulate Matter and Black Carbon in different Indoor Microenvironments of Schools in Agra, India - Rini John, Ajay Taneja	Respiratory Viral Infections During COVID-19 Pandemic : A Study From A Tertiary Care Hospital India - Jothisi Lakshmanan, Shukla Das	Quantification of dynamic ventilation rates and assessment of occupant thermal comfort inside a naturally ventilated hostel room during wintertime in north India - Supreme Jain, Asmita Addya
1:15 pm - 2:15 pm	Networking Lunch Break		
2:15 pm - 2:45 pm	POSTER PRESENTATION		
	Microplastic in indoor environment sources : A preliminary assessment : Struthy Robert		
	Relationship between measured and perceived indoor environmental quality status in Indian offices : Shashank Mishra		
	Assessment of indoor air exposure due to man-made rituals: inhalation dose and lobar deposition : Sneha M		
	Periodic identification of microbial indoor air contaminants and health hazard taxation in different microenvironments : Anam Taushiba		
	AUDITORIUM		
	SKIT BY ALCHEMY THEATRE SOCIETY		
2:45 pm - 3:00 pm	Key Note 2, Prof. Pawel Wargocki, University of Denmak (Ventilation & Thermal Comfort)		
3:00 pm - 3:45 pm	Theme Partner Presentation- Ultrapure		
3:45 pm - 3:55 pm	Theme Partner presentation- Bry - Air, DRI		
3:55 pm - 4:05 pm	Networking Tea Break		
4:20 pm - 5:30 pm	Hall 1 Session 4 (IAQ - Exposure & Health) Moderator - Dr. S.K. Goyal, CSIR- NEERI	Hall 2 Session 5 (Lighting and Visual Comfort) Dr. Jyotirmaya Mathur, Professor, MNIT, Jaipur	Hall 3 Session 6 (IAQ- Monitoring & Control Technologies) Moderator - Dr. Dipankar Saha, Former Addl. Director, CPCB, Advisor, BPCB
	Session Mentor: Abid Husain (Founder, Abid Hussain Consultants)	Session Mentor: Rohit Kumar Singh (VP & Account Head, GMR)	Session Mentor: Amitabha Sur (Director Operations, Aircor India Incorporated)
	Age-specific deposition of indoor particulate matter in the human respiratory tract - Akshay Somnath Kale, Ritwika Roy	Policy to Implementation : Lighting, Thermal Comfort & Indoor Air Quality - Nidhi Gupta, EDS Global	Antimicrobial air filters to purify air and deactivate captured microorganisms using environment-friendly and non-toxic bio-polymer coating - Ravi Kaushik
	Session Partner presentation - EPSCO	Session Partner presentation - Camfil	Session Partner presentation - Durkeesox
	Invited Speaker - Dr. Naresh Gupta, MAMC, Delhi Insights into health effects of indoor air quality	Invited Speaker - Dr. Reena M Choudhary, ICARE Hospital, Noida Effects of blue light exposure from screens on the eye health	Invited Speaker - Dr. Manoranjan Sahu, IIT Bombay Development of Indoor Pollution Control Technology for Particulate Matter: A special focus on Bioaerosols
	Exposure to aerosol-associated trace metals during active cooking in rural spheres of northeastern India: Insights from size-segregated profiles and respiratory deposition analysis - Bijay Sharma	Investigating student's perception of visual comfort in architectural studios and its impact on their work output - Tanishka Ajinath Kharat, Prof. Namrata Dhamankar	Prediction of Cleaning and Life cycle analysis of HVAC Filter - Kapil Kapoor, Arun Nanda

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Day – 2 (25th February 2023)

9:00 am – 9:45am	Registration		
	Auditorium		
9:45am – 10:45am	Key Note 3, Dr. Prashant Kumar, Professor, University of Surrey, UK		
10:45am – 11:45am	Panel Discussion – IEQ: Regulations, Innovation and Management for better health Moderator – Dr. Rakesh Kumar, OSD, CSIR Panelists: Dr. V.M. Motghare, MPCB; Dr. Rameshwar, Deputy Director, NPCCHH, MOHFWA; Dr. Sumit Sharma, UNEP; Program Head, KL Malhotra, Director KLM Design India, Dr. Varun Jain, Senlac Consultants; Naresh Duble, Knauf Ceiling Solutions		
11:45am – 12:10am	Networking Tea Break		
	Hall 1	Hall 2	Hall 3
	Session 7 (IAQ- Monitoring & Assessment) Moderator – Dr. P.B. Rastogi, Former Advisor, MOEFCC	Session 8 (IAQ- Exposure & Health) Moderator – Dr. Anubha Goel, IIT Kanpur	Session 9 Productivity & Health – Bioaerosols Moderator – Dr. Shukla Das, UCMS, Delhi
	Session Mentor: Aneesh Kadyan (Sr. ED, CBRE Property Management)	Session Mentor: Rishi Raj (COO, Max Estates Ltd.)	Session Mentor: Samta Bajaj (Principal, Envirocon Engineering Services)
12:10pm – 1:20pm	IAQ Exposure Calculator and its Management- Sachin Panwar Invited Speaker – Dr.S.M.Shiva Nagendra, IIT Chennai Indoor air pollution, associated health risks and technological interventions	School Children’s Exposure to Fine Particulate Matter: Personal Air Quality Monitoring in the City of Ghaziabad – David Massy & Mahima Habil Invited Speaker – Dr. Ravindra Khaiwal, PGI Chandigarh Indoor Air Pollution Exposure – Emerging Issues & Way forward	Using Viable and low-cost interventions that reduce particle levels can enhance the operating efficiency of occupants – Subham Rathi, Anubha Goel Invited Speaker – Dr. Neelima Gupta, UCMS Role of Environmental factors Role of Environmental factors on Health
	Effect of Standard Effective Temperature on Thermal Comfort, Mental State, Human Performance and Mental Load – Virendra Sharma, A. Dave Tanmay	Invited Speaker – Dr. Susan Verghese, St. Johns College, Agra Impact of Cigarette Smoking on Indoor Air Environment and on Covid 19	Socio-economic perspective on the size distribution coupled morphometry of fine particles in indoor microenvironments of Northern India – Hirmanshi Rohra, P.G. Satsangi
	Assessment of Indoor Air Quality in the Dyeing and Printing Processing House, Using Multivariate Factor Analysis – Dr. Dharmendra Vasantlal Jariwala, Dr. R.A.Christian	Occupational exposure assessment for highway toll station workers exposed to fine, ultrafine and black carbon in India : Nazneen and Aditya Kumar Patra	Investigation of Indoor Air Quality and Passengers’ Exposure in Underground Rapid Transit System- Amit Passi, Shiva Nagendra
1:20pm – 2:20pm	Networking Lunch Break		
	Auditorium		
2:20pm – 3:05pm	Key Note 4: Prof. Arsen K. Melikov, Technical University of Denmark		
	Hall 1	Hall 2	Hall 3
	Session 10 (IAQ- Monitoring & Assessment) Moderator – Dr. Sumantha Chinthala, Professor, NIT, Warangal	Session 11 P Productivity and Health Moderator – Dr. Yash Shukla CEPT Univ.	Session 12 IAQ - Monitoring, Assessment & Characterization Moderator – Dr. Harsha Kota, IIT Delhi
	Session Mentor: G S Balaji, ED (Rentco), DLF	Session Mentor: Pankaj Dharkar (President, Pankaj Dharkar Associates)	Session Mentor: Sunil Nayyar (Founder, Sunil Nayyar Consultants)
3:05pm – 4:00pm	Quantification and assessment of Indoor PM2.5 in North India precinct – Farheen Zehra, Alfred. J. Lawrence Invited Speaker – Dr. Sunil Gulia, CSIR NEERI Indoor Environmental Quality Assessment in a recently renovated Office Building in Delhi City	Post vaccination Covid infection: An observational study at a tertiary care hospital in East Delhi – Charu Jain, N.P. Singh Invited Speaker – Dr. Jolly Rohtagi, Computer Vision Syndrome	Indoor Particulate Matter Pollution on Oxidative Stress Pathways: Role of Chemical and Biological Constituents – Milind Kumar Bhatkar, Shreya Roy Invited Speaker – Prof. Ajay Taneja, B.R. Ambedkar Univ. Agra Indoor Air Pollution, health issues and solution
	Fine Particulate Matter and Elemental concentration in different schools of Agra (India) – Stuti Dubey, Ajay Taneja	Fungal infection during second wave of COVID -19 pandemic in a tertiary care hospital: Impact of aerial spore density during lockdown – Neha Rani, Kriti Nirmal	Physico-chemical characterisation and metal analysis of indoor airborne particles- Veerendra Sahu, Bhola Ram Gurjar
4:00pm – 4:20pm	Tea Break		
4:20pm – 4:40pm	SKIT BY STUDENTS OF UNIVERSITY OF DELHI		
4:40pm – 4:50pm	Automation Partner presentation		
4:50pm – 5:15pm	Springer Awards Distribution & Closing Ceremony		
5:15pm – 6:15pm	High Tea		

ASIAN CONFERENCE ON INDOOR ENVIRONMENTAL QUALITY

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