



KUMARAGURU
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DEPARTMENT OF CIVIL ENGINEERING

INTERNATIONAL CONFERENCE ON “AIR QUALITY MONITORING AND MODELLING” (AQMM’25)

19th and 20th March 2025

PAPER PRESENTATION SCHEDULE

Day 1: 19.03.2025

S.No	Paper Title	Authors	Internal / External	Mode of Presentation	Time
1.	Composition, Exposure Route and Mechanisms of Health Deterioration Associated with Exposure to Gaseous Emission from Municipal Solid Waste Landfill	Chibuisi Alimba (Department of Toxicologie. Leibniz-Institut fur Arbeitsforschung an der TU Dortmund (IfADo), Forschungsbereich Toxikologie / System toxikologie)*; Krishnamurthi Kannan (CSIR-NEERI, Nagpur, India)	External	Online	2.45 PM - 2.55 PM
2.	Commuters In-Vehicle Exposure to Traffic PM2.5 And Dust-Related Toxic Metals in A Tropical Savannah City in Nigeria	Tunde Etchie (Federal University Lokoja, Kogi State)*	External	Online	2:55 PM - 3:05 PM
3.	Biot - A Liquid Bioreactor for Sustainable Carbon Sequestration and Oxygen Generation	Madhushini V S (Kumaraguru Institute of Agriculture), Sowmiyann (Kumaraguru Institute of Agriculture), Jeevagan V (Kumaraguru Institute of Agriculture), P Priyakharini (Kumaraguru Institute of Agriculture), Keerthana A (Kumaraguru Institute of Agriculture),	External	Offline	3:05 PM - 3:15 PM

4.	Phytodegradation Of Formaldehyde in Indoor Environment	ARULMOZHIR (Anna University)*; Subash Chander Moorthy M (Anna University), Yogitha	External	Offline	3:15 PM - 3:25 PM
5.	“The Role of Non-Motorized Vehicles in Air Pollution Reduction-A Sustainable Approach”	Ishwarya K R (Kumaraguru College of Technology)*; Anita S (Kumaraguru College of Technology)	Internal	Offline	3:25 PM - 3:35 PM
6.	Quantification Of Pollutants and Particulate Matters by Determining the Personal Exposure and Ambient Exposure : An Exposure Study of Tribes in Southern Part of India	Jeffry Sam Manuel (Karunya institute of technology and sciences)*	External	Offline	3:35 PM - 3:45 PM
7.	Concentration And Analysis of Air Pollutants Using Ferromagnetic Polyvinyl Fluoride Sensor	V Sudharshana (Avinshilingam institute)*; A Monica Gandhi (Avinshilingam institute)	External	Offline	3:45 PM - 3:55 PM
8.	Epidemiological Studies on Air Quality and Public Health	Madhumithra m (kumaraguru college of technology)*; Keerthana s (kumaraguru college of technology); Anushika a (kumaraguru college of technology); Sivarajasekar n (kumaraguru college of technology)	Internal	Offline	3:55 PM - 4:05 PM
9.	Addressing Health Disparities: A Comprehensive Review of Vulnerable Populations, Social Determinants, And Strategies for Equity	Mahaswetha R (Kumaraguru College of Technology)*; Kezia Sherine J (Kumaraguru Collage of Technology); Vaishnavi M (Kumaraguru Collage of Technology)	Internal	Offline	4:05 PM - 4:15 PM
10.	Advancements In Outdoor Air Filtration: A Review of Existing Techniques and Technologies	Navin T K (Kumaraguru College of Technology)*; RATHINA K (Kumaraguru College of Technology); Vishali P (Kumaraguru College of Technology); Abinaya M (Kumaraguru College of Technology); Narthana S V (Kumaraguru College of Technology); Yesu Pragen S (Kumaraguru College of Technology)	Internal	Offline	4:15 PM - 4:25 PM
11.	Mitigating Air Pollution and Carbon Footprint Through Sustainable Packaging in The Food Sector	Nithya Priya (Kumaraguru College of Technology)*; Akilesh S (Kumaraguru College of Technology); Mohana K (Kumaraguru College of Technology);	Internal	Offline	4:25 PM - 4:35 PM

		Dr.Thenmozhi G (Kumaraguru College of Technology)			
12.	The Spatiotemporal Analysis of Ambient Air in Coimbatore West Zone Using Remote Sensing Data And GIS	Priyadharshini Murugesan (Kumaraguru College of Technology)*; Pavith P (Kumaraguru College)	Internal	Offline	4:35 PM - 4:45 PM
13.	Application Of Machine Learning in The Prediction of Fine Particulate Matter Concentrations of An East Coast Metropolitan City of India	Salvator Lawrence (Vellore Institute of Technology)*; Srimuruganandam B (Vellore Institute of Technology)	External	Offline	4:45 PM - 4:55 PM
14.	Technological Advances in Air Quality Management for Pollution Reduction in E-Waste Recycling"	RITHIKA.S (Kumaraguru College of Technology)	Internal	Offline	4:55 PM - 5:05 PM
15.	Advancing Biomass Co-Firing for Sustainable Power Generation	SHENBAGARAMAN P (Coimbatore Institute Of Technology)*	External	Offline	5:05 PM - 5:15 PM
16.	Mitigating Construction-Generated PM2.5 To Protect Retinal Health: Engineering Solutions for Air Quality Management	Shrimathi SD (Kumaraguru College of Technology)*; Vidhyanikashini RV (Kumaraguru College of Technology); Sankeerthan G (Kumaraguru College of Technology); Anita S (Kumaraguru College of Technology)	Internal	Offline	5:15 PM - 5:25 PM
17.	A Review on Wearable Technologies for Personal Air Quality Monitoring: Challenges, Opportunities, And A Novel Biosensor-Based Solution	SANGAMESWARAN R (Kumaraguru College of Technology); SANJAY M S (Kumaraguru College of Technology); Srikanth V M (Kumaraguru College of Technology)*; KARTHIKEYAN V (Kumaraguru College of Technology); SIVARAJASEKAR N (Kumaraguru College of Technology)	Internal	Offline	5:25 PM - 5:35 PM
18.	Association Of Ambient Particulate Matter Exposure and Anemia Among Adult Population: A Health Facility-Based Study, Chennai, South India	Sankar Sambandam (Sri Ramachandra Institute of Higher Education and Research (DU)); Vigneswari Aravindalochanan (Sri Ramachandra Institute of Higher Education and Research (DU)); Saritha Sendhil (Sri Ramachandra Institute of Higher Education and Research (DU)); Nithya Mohan (Sri Ramachandra Institute of Higher Education and	External	Offline	5:35 PM - 5:45 PM

		Research (DU)); Karthiga Devi S G (Sri Ramachandra Institute of Higher Education and Research (DU)); Jayachelvi Babu (Sri Ramachandra Institute of Higher Education and Research (DU))*			
19.	Advances In Fine Particulate Matter(PM2.5)Exposure Utilizing Satellite Data:A Narrative Overview	Karthiga Devi S G(Sri Ramachandra University of Higher Education and Research);Saritha Sendhil(Sri Ramachandra University of Higher Education and Research);Vigneswari Aravindalochanan(Sri Ramachandra University of Higher Education and Research);Sankar Sambandam(Sri Ramachandra University of Higher Education and Research)	External	Offline	5:45 PM - 5:55 PM
20.	A Review on Air Quality Prediction Techniques Based on Geo- Imaging Techniques for Coimbatore- Sidco Region	Senthil Naathan B (RVS Techniocal Campus Coimbatore)*; GUGAN E (RVS Technical Campus Coimbatore); Dr.KUMAR A (RVS Technical Campus Coimbatore); NIVETHA JOHN (RVS Technical Campus Coimbatore); BHUVANESWARI D (RVS Technical Campus Coimbatore)	External	Offline	5:55 PM - 6.05 PM
21.	Airborne Particulate Matter and Its Environmental and Health Impacts	Madheshwaran SJ (Kumaraguru College of Technology)*; Gowshik Sabarish (Kumaraguru College of Technology); Avinash Venkatesan (Kumaraguru College of Technology)	Internal	Offline	6.05 PM - 6.15 PM
22.	A Sustainable Solutions for Air Pollution in E Waste Management	Sivasankar M P (Kumaraguru College of Technology), Priyadharshini M(Kumaraguru College of Technology))	Internal	Offline	6.15 PM - 6.25 PM



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PAPER PRESENTATION SCHEDULE

Day 2: 20.03.2025

S.No	Paper Title	Authors	Internal / External	Mode Of Presentation	Time
1	Development Of an Air Pollution Monitoring System in Civil Construction Sites Using the Fusion of Iot and Sensor Technology – A Pilot Study	Gopinath Balasubramanian (Kumaraguru College of Technology)*; Gandhimathi A (Kumaraguru College of Technology)	Internal	Offline	8.35 AM - 8.45 AM
2	Air Pollution and Its Chronic and Acute Effects on Human Health	Angita Singh (Bundelkhand University Of Uttar Pradesh India)*	External	Online	8.45 AM -8.55 AM
3	Assessment Of Physio-Chemical Characteristics and Source Apportionment of Airborne Particulate Matter from The Construction Activities	Manuj Sharma (Indian Institute of Technology Tirupati)*	External	Online	8.55 AM - 9.05 AM

4	Air Quality Monitoring and Modeling in Vellore District: Statistical Analysis and Solutions for Pollution Control Using Spss Software	Rajalakshmi Shanmugam (Annai Mira College of Engineering and Technology)*; Priyavadhani Sudhakaran (Annai Mira College of Engineering and Technology,Ranipet District.)	External	Online	9.05 AM - 9.10 AM
5	Assessment Of Personal PM2.5 Inhalation Exposure from Yagya Fumes Among Priests and Temple Visitors: A Case Study	Sneha Mahalingam (IIT Kanpur)*; Ramsundram Narayanan (Ecofirst Services Limited-A TATA Enterprise)	External	Online	9.10 AM - 9.20 AM
6	Air Quality Monitoring and Assessment in Saravanampatti, Coimbatore.	Vaishnava Devi (Kumaraguru College of Technology)*; Sneha Sannasi (KCT); Gandhimathi A (KCT)	Internal	Offline	9.20 AM - 9.30 AM
7	Advancements In Outdoor Air Filtration: A Review of Existing Techniques and Technologies	Navin T K (Kumaraguru College of Technology)	Internal	Offline	9.30 AM - 9.35 AM
8	The Fabrication of Cao-Zno Composite Nanoparticles Presents an Innovative Approach for Reducing Co2 Emissions Via Photocatalytic Activity	LAVANYA M (Government College of Technology)	External	Offline	9.35 AM - 9. 40 AM
9	Particulate Matter Deposition in Respiratory Tract – A Case Study on Mass Gathering.	Samrithi V (Kumaraguru College of Technology) *	Internal	Offline	9.40 AM - 9.50 AM

10	Systematic Review in The Mitigating Construction Generated PM2.5 To Protect Retinal Health: Engineering Solutions for Air Quality Management	Shrimathi Sd (Kumaraguru College of Technology)*; Vidhyanikashini R V (Kct); Sankeerthan G (Kct)	Internal	Offline	9.50 AM - 10. 00 AM
11	Impact Of Air Quality on Road Safety: Analyzing the Link Between Pollution Levels and Accident Risk on Salem-Kochi Bypass	Harish Boopathy (Kumaraguru College of Technology)*	Internal	Offline	10.00 AM – 10.10 AM