



**KUMARAGURU**  
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**DEPARTMENT OF CIVIL ENGINEERING**

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

**19<sup>th</sup> and 20<sup>th</sup> March 2025**

**PAPER PRESENTATION SCHEDULE**

**Day 1: 19.03.2025**

<b>S.No</b>	<b>Paper Title</b>	<b>Authors</b>	<b>Internal / External</b>	<b>Mode of Presentation</b>	<b>Time</b>
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**

<b>S.No</b>	<b>Paper Title</b>	<b>Authors</b>	<b>Internal / External</b>	<b>Mode Of Presentation</b>	<b>Time</b>
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