

IASTA National Conference 2023

December 12 - 14, 2023 Vivanta, Navi Mumbai, India

Scientific Program: Day 1, Tuesday, 12th December – MH (Main Hall)

Time	Presentation / Abstract ID	Title of the talk	Chairperson/ Moderator/		
8:30 - 9:30		Speaker			
9:30 - 10:00		Registration Inauguration Session			
10:00 - 11:00	Keynote	From aerosol synthesis of materials and devices to a new value for the mean free path of air	Professor Sotiris E Pratsinis, Switzerland		
11:00 - 11:30		TEA			
11:30 - 11:55	S1	Source apportionment and oxidative potential of particulate matter in India, China and Europe	Professor Andre Prevot, Switzerland		
11:55 -12:20	S2	Measuring aerosol absorption for source apportionment and quantification of climate change	Professor Griša Močnik, Slovenia		
12:20 - 12:45	\$3	PM2.5 and air pollutants observations for studying crop residue burning in a target region of northwest India	Dr Prabir K Patra, Japan		
12:45 - 13:10	S4	Health effects of atmospheric aerosol driven particulate matter and its components: studies from India	Dr Santu Ghosh, India		
13:10- 14:00		Lunch			

Day 1, Tuesday, 12th December – MH 1 (Main Hall 1)

Time	Presentation / Abstract ID	Title of the talk	Chairperson/ Moderator/ Speaker			
14:00 - 16:00		Parallel Oral Sessions S3- Aerosols and Air Quality				
14:00-14:10	T5024	Aerosol & cloud induced changes in surface irradiance over different terrains in peninsular India	Sanket Kalgutkar et al			
14:10-14:20	T5030	Comprehensive evaluation of biases in SO ₂ reanalysis data against satellite observations over Indian region during covid-19 lockdown	Arun G S et al			
14:20-14:30	T5033	Analytical parameters and ROS generation capability supporting health risk assessment of size-segregated particulate matter bound metals	Milindkumar Yashvant Bhatkar et al			
14:30-14:40	T5034	Dynamic pollution detection and calibration of low-cost sensors for low and high concentration regions using machine learning techniques	Mohd Zaid et al			
14:40-14:50	T5056	Assessment of co-incidence between air pollution and temperature extremes in the Indian subcontinent	Dewashish et al			
14:50-15:00	T5059	Environmental levels, sources, and cancer risk assessment of PAHS associated with PM1 and TSP in an urban site in Taj city	Simran Bamola et al			
15:00-15:10	T5068	Emissions from traditional versus green fireworks over Ahmedabad: a comparative study	Rohit Meena et al			
15:10-15:20	T5069	Sources driving multi-scale emissions over India: an application of the speciated multipollutant generator (SMOG)-India	Zainab Arub et al			
15:20-15:30	T5076	Gases and aerosols emissions from fired clay clamp kilns in India	Anurag G et al			
15:30-15:40	T5078	Ambient air quality monitoring over rural areas using indigenous technology (AMRIT)	Sacchidananda Tripathi et al			
15:40-15:50	T5079	Assessing progress towards cleaner air in Delhi NCR	Kirtika Sharma et al			
15:50-16:00	T5080	Air quality and climate change impacts of sugarcane derived bioenergy production	Shilpi Kumari et al			
16:00-16:10	T5083	CFD modelling of performance of medium-scale outdoor air cleaning systems installed in Delhi	Manoranjan Sahu et al			
16:00 -16:15	TEA					
16:15 -17:30		Parallel Lightning Talk Session				
	T2016	Mass absorption cross section of aethalometer black carbon in the arctic	Mohit Singh et al			
	T2019	In-house development of a common aerosol sampling inlet system for continuous monitoring of aerosols	Sam P Raj et al			

Т	Γ2020	Improved source apportionment of organic aerosols using novel mass spectrometric techniques.	Varun Kumar et al
Т	Г2022	Analysis of charging parameters of electrostatic aerosol neutraliser at different charged conditions	Usha Pujala et al
Т	Γ2026	Results from early performance tests of a new portable and networkable black carbon monitor	Drew Hill et al
Т	Γ3004	Aerosol distribution over the northern Indian ocean through ship-borne measurements and model-derived outcomes	Garima Shukla et al
Т	Γ3012	Carbon chemistry of PM2.5 over a semi-urban region at IGP: a study under different meteorological dispersion conditions	Sauryadeep Mukherjee et al
Т	Γ3015	Temporal variation and source analysis of size segregated atmospheric particulate matter in Bathinda city, India	Ankita buwaniwal et al
Т	Г3023	Heavy metals and oxidative potential of PM1.0 and PM2.5 in different regions of Agra, India	Tulika Tripathi et al
Т	Γ3024	Characteristics of size-segregated particle number concentrations in an urban location in India	Mathew Sebastian et al
Т	Γ3043	Polycyclic aromatic compounds (PAHS) from dominant sources and their entrainment in ambient air over Indo-gangetic plain	Pradhi Rajeev et al
Т	Γ3045	Understanding the molecular-level chemical composition of sources of fine (PM2.5) water-soluble organic aerosol in Lucknow	Peeyush Khare et al
Т	Γ3048	Assessment of atmospheric aerosols in urban environment: a one-year follow-up study in new Delhi	Sombir Pannu et al
Т	Γ4002	Investigation of aerosol indirect effect under different atmospheric conditions over bay of Bengal	Harshbardhan Kumar et al
Т	Γ4007	Observation of new particle formation events over high-altitude site in western ghats, India	Jeni Victor N,
Т	Γ4013	Improvement in fog simulation due to different soil moisture initialization over north India	Arun N et al
Т	Γ4015	Cmip5 models including aerosol indirect effect performs better in simulating the trends in extreme rainfall over India	Chandan Sarangi et al
Т	Γ4020	Aerosol-warm cloud interaction over eastern Indo-gangetic plain during winter season	Thejas K. V. et al
	Г4023	Assessing cloud formation potential: fission product interactions with atmospheric aerosols	Manish Kumar et al
Т	Г6008	Change in the aerosol distribution during an extremely severe cyclone	Nishi Srivastava et al
Т	Γ6010	Efficiency of wet deposition in PM 2.5 removal over Indo gangetic plain during winter	Jasmine Mary Kuriakose et al

	T6011	Deposition of aerosol particles in human respiratory system by CFD-DEM approach	Deepnil Dutta et al
	T6017	Morphological and elemental transformation of aerosol particles: influence of post-	Vaishnav Bartaria et al
		depositional sulphur-induced crystal formation	
	T6021	Risk assessment study of deposited particles in human breathing passage through a	Shreya Roy et al
		dosimetry model approach	
	T7006	Benefits of emission abatement attributed to diesel generator sets in India leading to cleaner air	Sanjukta Ghosh et al
	T7012	Identifying aerosol sources from low-cost particle sensors in Mumbai	Vikas Kumar et al
	T7018	Carbonaceous aerosols and PM2.5 abundances over India and contributions of agricultural residue burning	Sujit Maji et al
	T7026	Aerosol optical depth variation in the Indian region: investigating the role of anthropogenic aerosol	Tanmay Sarkar et al
	T7029	Modeling of aerosol formation under rapid thermal transients	Sreekanth et al
	T7030	Seasonal variation of aerosol optical depth over India under futuristic climate scenarios: an implication of carbonaceous aerosols	Nidhi Anchan et al
	T7034	Real-time source apportionment of fine organic and inorganic atmospheric aerosols in urban areas; application in china and India	Manousos I Manousakas et al
_	T7036	Transport of aerosol through annular region of pipe-in-pipe system	Sanjay Singh et al
		TEA	
17:30-18:15		Parallel Oral Sessions	
		Session S1 (aerosol characterization)	
17:30-17:40	T3006	A new approach for unravelling the organic signature of atmospheric aerosol particles: coupling thermal-optical carbon analysis to laser photo-ionization mass spectrometry	Andreas Walte et al
17:40-17:50	T3036	Variation of elemental source characterization and composition in Delhi national capital region from pre-burning to post-burning period	Ashutosh Shukla et al
17:50-18:00	T3037	Aerosol volatility over high-altitude site in western ghats, India: effect of semi-volatile organics coating	Subrata Mukherjee et al
18:00-18:10	T3038	Role of metrological conditions and sources influencing atmospheric NHx over a semi- urban site in north-western Indo-gangetic plain	Chandrima Shaw et al
18:10-18:20	T3041	Source identification of PM.5 in an Indian urban-desert region	Sayantee Roy et al
18:20-18:30	T3050	Aerosol mass density measurements for various chemical species using beta attenuation technique	Pallavi Khandare et al

Day 1, Tuesday, 12th December – MH 2 (Main Hall 2)

	Presentatio		Chairperson/
Time	n /Abstract	Title of the talk	Moderator/
	ID		Speaker
14:00 - 16:00		Parallel Oral Sessions	
		Session S2 (Aerosol Instrumentation and Measurement techniques)	
14:00-14:10	T2001	A novel on-line single particle mass spectrometer: rapid simultaneous detection of health-	Ralf Zimmermann et al
		relevant polycyclic aromatic hydrocarbons (PAH), soot and metals from individual airborne	
		aerosol particles	
14:10-14:20	T2005	New 9λ aethalometer model AE36s - performance and advanced characterization of aerosol	Asta Gregoric et al
		sources	
14:20-14:30	T2006	Method for on-site intermediate quality check (IQC) of beta gauge system used for	Kritika Shukla et al
		particulate matter sampling	
14:30-14:40	T2007	Harmonized measurements of ambient particles and dedicated solutions for particle	Bischof O F et al
		number concentrations and size distributions	
14:40-14:50	T2010	Optimizing reference co-location sites for improved transferability of calibration models	Vasudev Malyan et al
		within a low-cost sensor network in NCT-Delhi, India	
14:50-15:00	T2014	The nation-first sun-sky-moon-polarized multispectral radiometer for aerosol and precursor	Panuganti Devara et al
		gas studies at AUH, Gurugram, India	
		Parallel Oral Sessions	
		S4 (Health effects and Bioaerosols)	
15:00-15:10	T10001	Assessment of the toxicological impact of secondary organic aerosols (SOA) formed by	Ralf Zimmermann et al
		photochemical aging of emissions in air-liquid-interface exposed lung cell models	
15:10-15:20	T10003	Health risk assessment of inhalable bioaerosols in different microenvironments	Akshay Kale et al
15:20-15:30	T10005	Bioaerosol profiling at two contrasting locations in the north-western Himalayan region:	Kiran Kumari et al
		implications on climate and human health	
15:30-15:40	T10011	Disparity in ambient air pollution exposure among Indian sub-populations	Debajit Sarkar et al
15:40-15:50	T10014	Estimating dry particle sizes of saliva droplets using sessile drop technique for	Sesan Nayak et al
		understanding the spreading of airborne diseases	
16:00 – 16:15		TEA	

16:15 -17:30		Parallel lightning talk session	
	T1015	Characteristics of new particle formation events at a rural location, Mahabubnagar, in India	Poul Cherianet al
	T1019	Atmospheric deposition of bioaerosol on tulsi (ocimum sanctum) over Indo-gangetic basin	Mamta et al
	T5001	Volatile organic compounds impact on ozone and secondary organic aerosols formation in the rural atmosphere: assessing estimation and seasonal variability	Sindhu S et al
	T5012	Understanding the relationship between AOD and night time lights over Ahmedabad city	Jay Vyas et al
	T5013	Estimation of true household PM2.5 exposure in India and it's variation over the last decade	Akash Mukherjee et al
	T5017	Effect of exsiccation on the particulate and chemical emissions from vehicular exhaust	Rahul Bhangare et al
	T5019	Assessment of air quality benefits in terms of particulate matter due to proposed transport- sector control interventions in Pune city	Yogesh Sathe et al
	T5023	Long term air pollutant trends over an urban location (Pune) in India: effects of meteorology and emissions	Vrinda Anand et al
	T5028	Role of polycyclic aromatic hydrocarbons (PAHS) and their derivatives in PM2.5 oxidative potential (OP) during fire crackers burning	Puneet Kumar Verma et al
	T5040	Comparison of different ionisation based technologies for particle matter capture in an indoor environment	Aiswarya Kumar et al
	T5046	Evaluation of vehicular emission influence on PM2.5 during the lockdowns and unlock phases of covid-19 in Lucknow, India	S S Kalikinkar Mahanta et al
	T5055	Particulate matter and black carbon washout over north Indian cities implications for urban air quality	Pratima Gupta et al
	T5062	Development of a nobel device to enhance aerosol removal efficiency of any non- conducting air filter	Shivam Singh et al
	T5064	Agriculture, reactive nitrogen and air pollution linkages in India	Deepakshi Babbar et al
	T5067	Study of effectiveness of air changes in a typical laboratory	Joy Chakraborty et al
	T5071	Impact of personal comfort systems on indoor air quality during winter season	Abhishek Singh et al
	T5073	Regional airshed approach for an efficient air quality management in India	Fahad Imam et al
	T5085	Particulate matter and metal concentration in (PM2.5 and PM10) and their microbial nature of aerosol in ambient air, during winter in Agra, region.	Shailendra Pratap Singh et al
	T8002	Effect of titania nano-additives on the particulate matter including ultra-fine particle emissions of a compression ignition engine	Akshat Jain et al
	T9010	Use of geographic information system (GIS) for visualisation of probabilistic models of atmospheric dispersion of radioactive plumes	Manish K Mishra et al

	T9012	Numerical investigation on the effect of roof and pool temperatures on sodium aerosol	Parthkumar Rajendrabhai
		characteristics in an SFR cover gas	Patel et al
	T9014	Development of a diffusion sampler for testing of radon barrier materials	Rama Prajith et al
	T10006	Modelling of health risks exposure in Indian cities due to criteria air pollutants	Amrit Kumar et al
	T10010	Risk assessment from PM1 associated biological and chemical components in ambient air of Indo-gangetic plain	Aman Deep Gupta et al
	T10015	The impact assessing of indoor bioaerosols on human health: a comprehensive study	Yogyata Srivastava et al
	T11006	Assessing the impact of transport emissions on black carbon levels in tier i, ii, and iii cities in north India.	Shubham Rathi et al
	T11009	Aerosol and precursor gas emissions from the non-cooking residential sector in India	Navinya Chimurkar et al
	T11013	High-resolution aerosol emissions from crop residue burning: a component of smog- India_coalesce	Taveen Singh Kapoor et al
17:30 - 18:15		Parallel Oral Sessions	
		S10 (Aerosol Fundamentals- Physics, Chemistry And Biology)	
17:30-17:40	T1005	Understanding the mutual response between near surface temperature and aerosol (BC and non-BC PM2.5) mass concentration in an urban environment	Shamitaksha Talukdar et al
17:40-17:50	T1006	Influence of aerosol columnar and vertical distribution on the modulation of atmospheric and surface solar heating	Santhosh V N et al
17:50-18:00	T1008	Hygroscopicity-driven aerosol light-scattering enhancement over a tropical coastal station	Sobhan Kumar et al
18:00-18:10	T1020	Investigations on levitation, pattern formation, instabilities and breakup of charged droplets	Rochish M Thaokar et al

DAY 2

Day 2, Wednesday, 13th December – MH (Main Hall)

Time	Presentation / Abstract ID	Title of the talk	Chairperson/ Moderator/ Speaker	
9:30- 10:30	Plenary	Emerging challenges in the development of air cleaning technologies: from indoor air	Professor Y S Mayya, India	
		purifiers to outdoor smog towers		
10:30 -11:00		Special Session		
11:00 -11:30		TEA		
11:30 -12:20		Panel Discussion (Air Quality in Mumbai)		
12:20 -12:45	S5	Transport modelling for aerosol forecasting	Professor Gufran Beig, India	
12:45 -13:10	S6	Aerosol-radiation versus aerosol-cloud interactions over the south Asian region	Dr Dilip Ganguly, India	
13:10 -14:00		Lunch		
17:30 -18:15		IASTA general body meeting		
18:30 -19:30		IARP popular lecture - aerosols, environment and nuclear energy	Dr Dinesh K Aswal, India	
20:00	Dinner			
onwards				

Day 2, Wednesday, 13th December – MH 1 (Main Hall 1)

	Presentation		Chairperson/			
Time	/Abstract ID	Title of the talk	Moderator/			
	/Abstract ib		Speaker			
14:00-15:00		Parallel Oral Sessions				
	S6 (Aerosol Cloud Interactions)					
14:00-14:10	T4003	Long-term variability in aerosol, cloud and their interaction over northern Indian ocean	Shani tiwari et al			
14:10-14:20	T4010	Aerosol species induced spatial modulations in the Indian summer monsoon (ISM) rainfall	Sauvik Santra et al			
14:20-14:30	T4012	An observational approach for studying aerosol-cloud interaction in water clouds over an	Renju Nandan et al			
		Indian region				
14:30-14:40	T4016	Role of aerosol and cloud microphysical properties in forecasting cloud top temperature	Sweta Kumari et al			
		using random forest				

14:40-14:50	T4018	Influencing factors on cloud condensation nuclei (CCN) variations over a rural location	V Ravi Kiran et al
14:50-15:00	T4025	Cloud-forming potential of anthropogenic sulfate aerosols: insights from SO ₂ emissions of a	Aishwarya Singh et al
		coal-fired power plant in India during the covid lockdown	
16:00-16:15		TEA	
16:15-17:30		Parallel oral session	
		S1 (aerosol characterization)	
16:15-16:25	T3008	Seasonal variation and isotopic composition of atmospheric aerosols collected over the	Udisha Singh et al
		northeast Arabian sea	
16:25-16:35	T3011	Heterogeneity in the aerosol vertical profile and its interaction with the atmospheric	Manasi Gogoi et al
		boundary layer as observed by tethered balloon payloads along the Brahmaputra valley of	
		north east India	
16:35-16:45	T3022	Physical and optical characteristics of aerosols over Asia: AERONET, MERRA-2 and CAMS	Kamran Ansari et al
16:45-16:55	T3044	Molecular characterization of organic aerosols in two heavily polluted cities of India:	Y Hao et al
		sources and seasonality	

Day 2, Wednesday, 13th December – MH 2 (Main Hall 2)

Time	Presentation / Abstract ID	Title of the talk	Chairperson/ Moderator/ Speaker
15:00 -16:00		Poster session 1	
		T1007, T1009, T1010, T1011, T1012, T1014, T1015, T1018, T1019, T2003, T2004, T2008, T2017, T2018, T2019, T2020, T2021, T2022, T2023, T2024, T2025, T2026, T2027, T3002, T3010, T3012, T3014, T3015, T3016, T3017, T3018, T3019, T3020, T3023, T3024, T3026, T30 T3032, T3033, T3034, T3040, T3042, T3043, T3045, T3046, T3047, T3048, T3049, T4002, T4009, T4013, T4014, T4015, T4017, T4019, T4020, T4021, T4022, T4023, T4024, T7006, T70 T7012, T7013, T7014, T7015, T7018, T7019, T7021, T7024, T7026, T7029, T7030, T7033, T70	04, T3005, T3007, T3009, 27, T3028, T3030, T3031, 04, T4005, T4006, T4007, 07, T7008, T7009, T7011,

Day 2, Wednesday, 13th December - BR (Board Room)

Time	Presentatio n/ Abstract ID	Title of the talk	Chairperson/ Moderator/ Speaker		
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14:00 -15:00	Parallel Oral Sessions				

		S9 (Aerosol Transport and deposition)	
14:00-14:10	T6003	Analysis of effective plant species to abate resuspended dust of an arterial road in Lucknow, India	Hari Om Prasad et al
14:10-14:20	T6004	Investigating the convective transport possibilities of lower atmospheric pollutants to the UTLS region using rainwater and aerosol chemical characterization	Chaithanya D Jain et al
14:20-14:30	T6013	Cruising through commutes: characterization and deposition modeling of size-segregated PM exposure	Sneha M et al
14:30-14:40	T6016	Effect of dc electric field and air flow rate on scavenging of liquid aerosol by droplets	Debabrat Biswal et al
14:40-14:50	T6020	Particle deposition in g3-g6 respiratory airway bifurcations	Riya Dey et al
16:00-16:15		TEA	
16:15 -17:30		Parallel Oral Sessions	
		S5 (Aerosol Modelling)	
16:15-16:25	T7002	Comparative estimation of black and organic carbon in the peninsular region utilizing SAFAR and Edgar emission inventories	Praveen Kumar et al
16:25-16:35	T7003	Study of aerosol-boundary layer interactions during the winter season over the Indogangetic plain	Arya V B et al
16:35-16:45	T7016	A retrieval technique to predict the 3-dimensional structure from a microscopic image of quasi-fractal aggregates	Abhishek Singh et al
16:45-16:55	T7017	Constraining estimates of black carbon (BC) emissions from open biomass burning using lagrangian dispersion modelling	Akanksha Arora et al
16:55-17:05	T7023	Landscape assessment of the performance of chemical transport model predictions of air pollution in India	Rishi Shandilya et al
17:05-17:15	T7025	Theoretical estimation of aerosol shape factors	Jayant Krishan et al
17:15-17:25	T7027	Modelling near-source aerosol dynamics: impacts on size distribution and optical properties	Tanmay Sarkar et al
17:25-17:35	T7028	Simulations of PM2.5 with WRF-CAMX and estimating air quality social impact using regression analysis over India (EASIUR-India)	T V Ramesh Reddy et al
17:35-17:45	T7032	Combined real-time source apportionment	A Tobler et al
17:45-17:55	T7035	Source apportionment by combining high-time resolution organic, black carbon, and inorganic chemical composition datasets	Mohd Faisal et al

DAY 3

Day 3, Thursday, 14th December – MH (Main Hall)

Time	Presentation / Abstract ID	Title of the talk	Chairperson/Moderator/Spe aker	
9:30 – 10:30	Plenary	The COALESCE network: Unravelling aerosol effects on climate and air pollution in India	Dr Chandra Venkatraman, India	
10:30 -11:00	0 National Aerosol Projects session			
11:00 -11:30	TEA			
11:30 -11:55	Invited	Nuclear and Radioactive aerosols		
11:55 –12:20	Platinum sponsors session			
16:15 -17:30		Award ceremony		

Day 3, Thursday, 14th December – MH 1 (Main Hall 1)

Time	Presentation	Title of the talk	Chairperson/
	/ Abstract ID		Moderator/
			Speaker
12:20 -13:10		Parallel Oral Sessions	
		S8 (Carbonaceous aerosols)	
12:20-12:30	T11003	Global distribution of black carbon from satellite retrieval	Mukunda M Gogoi et al
12:30-12:40	T11008	Sources of fine carbonaceous aerosols over a semi-arid urban city of western India using dual carbon isotopes	M. Devaprasad et al
12:40-12:50	T11010	The SMOG-INDIACOALESCE emissions inventory	Kushal Tibrewal et al
12:50-13:00	T11014	Optical properties of PM2.5 from light-duty goods and heavy-duty vehicles in Indian onroad conditions	Mohd Shahzar Khan et al
13:00-13:10	T11015	Versatile source sampling system (vs3): tracking on-field residential cooking activity emissions in India.	Jyoti Kumari et al
13:10-14:00		Lunch	

Day 3, Thursday, 14th December – BR (Board Room)

	Presentation		Chairperson/
Time	/ Abstract ID	Title of the talk	Moderator/
	/ ADSTRACT ID		Speaker
12:20 -13:10		Parallel Oral Sessions	
		(Session S7- Nuclear and Radioactive aerosols)	
12:20-12:30	T9005	Filtration characteristics of sintered porous filters of b4c neutron poison sub-assembles of	Usha Pujala et al
		FBTR	
12:30-12:40	T9013	Novel technique for size distribution of radon progeny aerosols using low pressure	Rajeshwari P Rout et al
		impactor loaded with Ir-115 based DRPS	
12:40-12:50	T9015	Assessment of FP and sodium aerosol behavior in a closed chamber	Amit Kumar et al
12:50-13:00	T9016	Study of iodine oxide aerosols in context of severe nuclear reactor accidents	Mariam et al
13:00-13:10	T9017	Graphite aerosol generation at different heating conditions	Sunil Kumar et al
13:10 -14:00		Lunch	

Day 3, Thursday, 14th December – MH2 (Main Hall 2)

Time	Presentation	Title of the talk	Chairperson/Moderator/Sp
	/ Abstract ID	Title of the talk	eaker
14:00 -16:00		Poster session 2	
	T5001, T5007,	T5008, T5009, T5010, T5011, T5012, T5013, T5014, T5015, T5016, T5017, T5018, T5019, T502	0, T5021, T5022, T5023,
	T5025, T5026,	T5028, T5029, T5032, T5035, T5036, T5037, T5038, T5039, T5040, T5041, T5042, T5043, T504	6, T5051, T5053, T5054,
	T5055, T5058,	T5060, T5061, T5062, T5064, T5065, T5066, T5067, T5070, T5071, T5072, T5073, T5075, T507	7, T5084, T5085, T5086,
	T6001, T6002,	T6005, T6006, T6007, T6008, T6009, T6010, T6011, T6012, T6014, T6017, T6018, T6019, T602	1, T6022, T9003, T9004,
	T9006, T9007,	T9008, T9009, T9010, T9011, T9012, T9014, T10004, T10006, T10008, T10009, T10010, T1001	5, T10017, T11001, T11002,
	T11004, T1100	6, T11007, T11009, T11012, T11013	
16:00-16:15		TEA	

Poster details (excluding lightning talk posters)

T1007	Molecular fingerprints of monocarboxylic acids in atmospheric aerosols: sources and formation processes	U Aswathy et al
T1009	Impact of coating on black carbon absorption enhancement over Delhi during winter	Swati Joshi et al
T1010	Evolution of chemical speciation in mixed malonic acid - urea aerosols	Subhamoy Saha et al
T1011	Observation of physico-chemical transformation in glutaric acid-metal nitrate aerosols	Subhamoy Saha et al
T1012	Radiative forcing due to black carbon at an urban location in India	Tejas D Rathod et al
T1014	Variation of aerosol optical properties over western Himalayan region (Palampur) using remote sensing techniques	Shishir Kumar Singh et al
T1018	Seismic reinforcing of phthalates and benzo (a) pyrene on women health: a critical analysis in indoor and outdoor air of	Neha Shukla et al
	Lucknow	
T2003	Comparison of PM2.5 ground-based measurement and NASA's MERRA-2 reanalysis concentration of PM2.5 over India	Ashmeet Kaur Alang, et al
T2004	Uncertainty estimates of SUOMI-NPP VIIRS v1 deep blue aerosol optical depth and angström exponent over south Asia	Kumari Aditi et al
T2008	A dual-wavelength photothermal aerosol absorption monitor: design, calibration, performance and measurements of coated	Grisa Mocnik et al
	soot	
T2011	Synthesis and characterization of zinc oxide based thin films for development of low cost sensors for detection of microbial	Arti Bhatnagar et al
	components in ambient environment	
T2012	Comparative study of sub-micron particle removal using air filters and electrostatic precipitator	Prashant Nawale et al
T2015	Applicability and validation of INSAT-3d aerosols measurements for Indian region	Raja Boragapu, et al
T2017	Effect of ventilation on indoor air quality of residential buildings	Kirti Singh et al
T2018	Respirable suspended particulate matters, fine particulate matters and volatile organic compounds: their carcinogenic risk	Farheen Zehra et al
	assessment on urban dwellers	
T2021	Improvement of a GC-MS protocol for detecting and analysing dicarboxylic acids (DCAS) in ambient aerosols in India	Pratibha Vishwakarma et al
T2023	Aerosol profiling of UTLS region using a passive remote sensing technique	Mahesh Nikam et al
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