



EFCA



# 18<sup>th</sup> WORLD CLEAN AIR CONGRESS 2019

## WCAC'19

23-27 September 2019

ISTANBUL / TURKEY

Hilton Istanbul Maslak

# PROGRAM

[www.wcac2019.org](http://www.wcac2019.org)

*organized by*

*Turkish National Committee for Air Pollution Research and Control (TUNCAP)*

*&*

*International Union of Air Pollution Prevention Associations (IUAPPA)*

*Congress Chair*

*Prof. Selahattin Incecik*

*President of IUAPPA*



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## INTERNATIONAL PROGRAM COMMITTEE

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Prof. Sema Topcu -Turkey

Prof. Sermin Ornektekin -Turkey

Dr. Sven-Erik Gryning - Denmark

Dr. Talat Odman - USA

Prof. Tayfun Kindap -Turkey

Prof. Tolga Elbir -Turkey

Dr. Yetkin Dumanoglu - Turkey

Prof. Young Sunwoo - Korea

# PROGRAM

HOUR	HALLS
	<b>DIAMOND</b>
<b>Sunday - 22 September 2019</b>	
11:00-	Registration opens 11:00 closes 18:30 in Foyer-Hilton Maslak Hotel
<b>Monday - 23 September 2019</b>	
08:00-	Registration opens at 08:00
09:15-09:30	<p>Welcome and Introduction Speech            Prof.Selahattin Incecik, Chair of WCAC2019 and President of IUAPPA</p>
9:30-10:50	<p>Plenary Panel: Chair: Dr. Richard Mills            Dr. Tedros Ghebreyesus, Director-General World Health Organization;            Prof. Paulo Artaxo ( University of Sao Paulo);            Mr. Jani Makraduli, Deputy Minister of Northern Macedonia of Environment and Physical Planning;            Dr. Bahadır Kaleağası, Turkish Industry and Business Association;            Prof. Dr. Hasan Mandal, President of the Scientific and Technological Research Council of Turkey</p>
10:50-11:10	<b>COFFEE BREAK</b>

	DIAMOND	EMERALD	MONTANA
11:10-13:10	<b>Air Quality Management (AQM) at Local, Regional, Global Scales</b> Chair: Hanlie Liebenberg Enslin	<b>Emerging Air Pollutants</b> Chair: Thomas Reichert	<b>Energy and Air Pollution</b> Chair: Anumita Roychowdury
11:10-11:30	<b>THE EFFICIENCY OF ENVIRONMENTAL EXPENDITURE OF LOCAL GOVERNMENTS ON AIR POLLUTION IMPROVEMENT IN CHINA</b> Meihua Zhu Ken Yamashita, Masazumi Ao	<b>CHARACTERIZATION OF SOLVENT EXTRACTABLE ORGANIC COMPOUNDS AND EC-OC IN PM<sub>2.5</sub> AEROSOLS IN ANKARA</b> Ebru Koçak Seda Aslan Kilavuz, Fatma Öztürk, Ipek Imamoğlu, Gürdal Tuncel	<b>IMPACT ON URBAN AND REGIONAL AIR QUALITY FROM UNCONVENTIONAL ENERGY PRODUCTION OF SHALE GAS IN NORTH TEXAS</b> Kuruville John Guo Quan Lim
11:30-11:50	<b>AIR POLLUTION DETECTION IN ROAD VEHICLES</b> Şükran Elçin Tekeli Nilhan Duran, Anna Golovko, Mustafa Kiziltan, Deniz Oğul, Ağca Gül Yılmaz, Irde Çetintürk Gürtepe, Canan Esin Köksal, Shihomi Ara Aksoy, Ahmet Burçin Yereli, Merih Aydınalp Köksal, Gülen Güllü	<b>POTENTIAL SOURCE REGIONS AFFECTING IONIC COMPOSITION OF RAINWATER AT TEN DIFFERENT RURAL STATIONS IN TURKEY</b> İlker Balçılar Ali Ihsan İlhan, Tülay Balta, Fatma Öztürk, Gürdal Tuncel	<b>CO-COMBUSTION OF BIOCOAL WITH SOMA LIGNITE IN A 30 KWTH CIRCULATING FLUIDIZED BED COMBUSTION SYSTEM</b> Aysel Atımtay Babak Keivani, Hayati Olgun
11:50-12:10	<b>SOURCES OF PM<sub>2.5</sub> IN SOUTH-EASTERN EUROPEAN CITIES</b> Claudio Belis Enrico Pisoni, Bart Degraeuwe, Emanuela Peduzzi, Philippe Thunis, Fabio Monforti-ferrario, Diego Guizzardi	<b>CARBON CONTENT IN PM<sub>2.5</sub> AT A COASTAL MEASURING SITE IN CROATIA</b> Ranka Godec Iva Šimić, Martina Šilović Hujčić, Ivan Belić	<b>CHARACTERIZATION OF INDIVIDUAL AEROSOL PARTICLES COLLECTED DURING KORUS-AQ (KOREA US AIR QUALITY) CAMPAIGN PERIOD AT OLYMPIC PARK, SEOUL, KOREA</b> Li Wu Han-jin Yoo, Chul Un Ro
12:10-12:30	<b>USE OF RAIN DATA IN BACKTRAJECTORIES TO ESTIMATE DESERT DUST TRANSPORT TO A CITY LOCATED ON NORTH EAST MEDITERRANEAN SEA</b> Güray Doğan Ahmet Mustafa Tepe	<b>IONIC COMPOSITION OF PM<sub>2.5</sub> PARTICLE FRACTION AT A COASTAL URBAN BACKGROUND SITE IN CROATIA</b> Valentina Gluš Mirjana Čačković, Gordana Pehnc, Ivan Belić	<b>DETERMINATION OF CHEMICAL MARKERS OF WOOD COMBUSTION IN AMBIENT AIR OF A RURAL COMMUNITY IN SOUTH WESTERN NIGERIA</b> Godson Ana Olarenwaju Akinpelu
12:30-12:50	<b>INTRADAY AND INTERDAY VARIATIONS OF 69 VOLATILE ORGANIC COMPOUNDS (BVOCs AND AVOCs) AND THEIR SOURCE PROFILES AT A SEMI-URBAN SITE</b> Serpil Yenisoy-Karakaş Melike Dörter, Mustafa Odabaşı	<b>SEASONAL VARIATION OF PARTICULATE MATTERS (PMS) DOWN TO NANOPARTICLE SIZE (PM<sub>0.1</sub>) IN RURAL, SUBURBAN, AND URBAN SITES OF SUMATRA ISLAND-INDONESIA</b> Muhammad Amin Rahmi Mulia Putri, Surapa Hongtieab, Fadjar Goembira, Zaky Famas, Adinda Adinda, Andre Rizki, Aulia Ullah, Worradorn Phairuang, Fumikazu Ikemori, Mitsuhiko Hata, Furuuchi Masami	<b>SUSTAINABLE CEMENT SECTOR STRATEGIES TO CONTROL EMISSIONS AND COMBAT CLIMATE CHANGE</b> Canan Derinöz Gencil M. Emre Ergüçlü, Yasin Yiğit
12:50-13:10	<b>COMPARISON OF MODIS COLLECTION 6.1 AND 6 AEROSOL OPTICAL DEPTH BASED ON FINER RESOLUTION DARK TARGET DATASET OVER TURKEY</b> Gizem Tuna Tuygun Esra Ozdemir, Tolga Elbir		
13:10-14:00	<b>LUNCH</b>		

	DIAMOND	EMERALD	MONTANA	SAPPHIRE
14:00-15:40	<b>AQM at Local, Regional, Global Scales</b> Chair: Rajasekhar Balasubramanian	<b>Emerging Air Pollutants</b> Chair: Aysel Atimtay	<b>Air Pollution and Health Risk Assessment</b> Chair: Lidia Morawska	
14:00-14:20	<b>CARCINOGENIC ORGANIC CONTENT OF PARTICULATE MATTER AT URBAN LOCATIONS WITH DIFFERENT POLLUTION SOURCES</b> Gordana Peh nec Ivana Jakovljević, Ranka Godec, Sabina Žero, Jasna Huremović, Katja Džepina	<b>SITE-SPECIFIC VARIATION OF AMBIENT NANOPARTICLE (PM<sub>0.1</sub>) IN NORTH SUMATERA PROVINCE-INDONESIA</b> Muhammad Amin Rahmi Mulia Putri, Tetra F Suciari, Al Fattah Faisal M, Astri Novarina, Sri Rafiah Nam Bintang, Fumikazu Ikemori, Masashi Wada, Mitsuhiro Hata, Furuuchi Masami	<b>NICKEL, ARSENIC, CADMIUM AND LEAD IN PM<sub>1</sub> FRACTION IN ZAGREB, CROATIA</b> Jasmina Rinkovec Gordana Peh nec, Silva Žužul	
14:20-14:40	<b>INNOVATIVE METHODS FOR CITY-SCALE AIR QUALITY MANAGEMENT IN CHINA AND THE UK</b> Tianlin Niu Mark Broomfield, Guy Hitchcock	<b>NON-IGNORABLE POLLUTION SOURCE: AIRBORNE MICROPLASTICS</b> Emine Can Güven	<b>A PREVALENCE OF THE SICK BUILDING SYNDROME SYMPTOMS AMONG SHOPPING MALL EMPLOYEES FROM THE CITY OF ZAGREB, CROATIA</b> Jagoda Doko Jelini Roko Žaja, Damir Andabaka	
14:40-15:00	<b>REAL WORLD VEHICLE EMISSIONS DATA FOR USE IN AIR QUALITY MANAGEMENT</b> Tianlin Niu Nicola Masey, Guy Hitchcock, Mark Broomfield	<b>INVESTIGATION OF GROUND LEVEL PM<sub>2.5</sub> WITH DIFFERENT MODE OF TRANSPORTS IN DHAKA, BANGLADESH</b> Ahmad Kamruzzaman Majumder Md. Maruf Hossain, Mahmuda Islam, Abdullah Al Nayeem	<b>CHEMICAL COMPOSITION OF FINE AND COARSE PARTICULATE MATTER IN JAKARTA MEGACITY, INDONESIA</b> Muhayatun Santoso Diah Dwiana Lestiani, Syukria Kurniawati, Endah Damastuti, Tamrin Tamrin, Indah Kusmartini, Philip K Hopke, Djoko Prakoso, Dyah Kumalasari	<b>SIDE EVENT</b> by the <b>WORLD BANK: Air Quality Management in Eastern Europe and West Asia</b>
15:00-15:20	<b>SOURCE APPORTIONMENT OF BIOGENIC AND ANTHROPOGENIC VOCS IN BOLU PLATEAU</b> Melike Dörter Mustafa Odabaşı, Serpil Yeniso y Karakaş	<b>LONG-TERM ANALYSIS OF THE COLUMNAR-SURFACE AEROSOL RELATIONSHIP WITH PLANETARY BOUNDARY HEIGHT AT SOUTHERN COASTAL SITE OF TURKEY</b> Gizem Tuna Tuygun Tolga Elbir	<b>MODIFICATION OF PARTICLE NUMBER SIZE DISTRIBUTION IN SAHARAN DUST EVENTS AS THEY TRAVEL OVER THE ANATOLIAN PLATEAU</b> Elif Sena Uzunpınar Cihan Dündar, Ipek Imamoğlu, Gürdal Tuncel	
15:20-15:40	<b>CHEMICAL CHARACTERIZATION OF ATMOSPHERIC HAZE PARTICLES AT HIGH ALTITUDE MT. HALLA SITE OF JEJU ISLAND, KOREA</b> Jung-Min Song Hyo-sun Yang, Sook-young Park, Hee-ju Kang, Geon-yoon Kim, Chang-hee Kang	<b>SOURCE APPORTIONMENT OF FINE PARTICLES SIMULTANEOUSLY SAMPLED AT RURAL AREA VERSUS URBAN AREA USING RECEPTOR MODEL APPLICATION</b> Orhan Sevimoğlu Wolfgang F. Rogge	<b>SPATIAL DISTRIBUTION OF HEALTH RISKS ASSOCIATED WITH PM<sub>2.5</sub> IN TURKEY AND IRAN USING SATELLITE AND GROUND OBSERVATIONS</b> Burçak Kaynak Ezgi Akyüz, Mehrdad Samavati	
15:40-16:00	<b>COFFEE BREAK</b>			

	DIAMOND	EMERALD	MONTANA	SAPPHIRE
16:00-18:00	<b>AQM at Local, Regional, Global Scales</b> <b>Chair: Gordona Pehneć</b>	<b>Emerging Air Pollutants</b> <b>Chair: Noor Zaitun Binti Yahaya</b>	<b>Air Pollution Modeling</b> <b>Chair: Young Sunwoo</b>	
	<b>NEAR-REAL TIME LOW-COST PM SOURCE APPORTIONMENT USING MICROSCOPIC CHEMICAL IMAGING</b> Alan Gertler Danny Moshe	<b>CHARACTERIZATION OF AIRBORNE PARTICULATE MATTER COLLECTED IN THE VICINITY OF COAL-FIRED POWER PLANT IN JAVA, INDONESIA USING ENERGY DISPERSIVE X-RAY FLUORESCENCE AND X-RAY ABSORPTION NEAR-EDGE STRUCTURE SPECTROMETRY</b> Diah Dwiana Lestiani Muhayatun Santoso, Endah Damastuti, Syukria Kurniawati, Janos Osan, Mateusz Czyzycki, Andreas Germanos Karydas, Alessandro Migliori	<b>DEVELOPMENT OF ATMOSPHERIC DISPERSION MODEL ADMER-INTERNATIONAL FOR EXPOSURE AND RISK ASSESSMENT</b> Kazuya Inoue	
16:00-16:20				
16:20-16:40	<b>EVALUATION OF HOURLY BASED PRECIPITATION CHEMISTRY IN SUBURBAN SITE OF BOLU</b> Hatice Karadeniz Serpil Yenisoy-karakaş	<b>CASE STUDY OF PM2.5 HIGH CONCENTRATION POLLUTION USING CPF MODEL</b> Sanghyeok Byeon	<b>MODELING OF PM10 EMISSIONS FROM MOTOR VEHICLES IN ZONGULDAK, TURKEY</b> Özgür Zeydan Elif Öztürk	
16:40-17:00	<b>INVESTIGATION IN AEROSOL OPTICAL PROPERTIES VARIATIONS DUE TO HAZE EPISODE OVER KUCHING AND THE EFFECT TOWARDS AIR QUALITY FROM 2011 TO 2017</b> Arnis Asmat Khairunnisa Abd Jalal	<b>INCREASING BURDEN OF AEROSOLS DUE TO RECENT INTENSE HAZE EVENTS OVER PAKISTAN AND ADJOINING REGIONS</b> Salman Tariq Zia Ul-haq	<b>LINKAGE AMONG AMBIENT AIR QUALITY MEASUREMENTS, AIR QUALITY MODELS, AND RESPIRATORY SYMPTOMS AND DISEASES IN DIFFERENT LOCATIONS OF CANAKKALE, TURKEY</b> Sibel Mentese Nihal Arzu Mirici, Tolga Elbir, Coskun Bakar, Sibel Oymak, Muserref Tatman Otkun	<b>SIDE EVENT</b> <b>by European Federation for Clean Air: Ultrafine Particles</b>
17:00-17:20	<b>EVALUATION OF URBAN AIR QUALITY SIMULATIONS USING A WRF-CFD COUPLED MODELING SYSTEM AGAINST VERTICAL PROFILE MEASUREMENTS</b> Kyung-Hwan Kwak Ji-hyun Kim Sang-eun Lee, Yeon-uk Kim, Seung-hyeop Lee, Jae-hee Hahm, Beom-soon Han, Jong-jin Baik	<b>MONITORING AND ANALYSIS OF FORMALDEHYDE COLUMNS OVER RAWALPINDI-ISLAMABAD, PAKISTAN USING MAX-DOAS AND SATELLITE OBSERVATION</b> Waqas Ahmed Khan	<b>COMBINED EFFECTS OF BUILDING GEOMETRIES AND ROADSIDE TREES ON NOX DISPERSION IN A DOWNTOWN AREA</b> Kim Yeon-Uk Lee Seung-hyeop, Lee Yong-hee, Kim Chang Hyeok, Lee Seon Yeop, Lee Seung-bok, Jeong Su-jong, Kwak Kyung-hwan	
17:20-17:40	<b>VOLATILITY MEASUREMENTS OF SECONDARY ORGANIC AEROSOL SPECIES USING A THERMAL DENUDER</b> Ho-Jin Lim Zaeem Bib Babar, Fawad Ashraf, Jun-hyun Park	<b>ION COMPOSITION OF THE DAILY PM10 SAMPLES COLLECTED AT KIRKLARELI, TURKEY</b> Başak Çetin Evren Hakan Saka, Muhammed F. Ciceralli, Halil N. Oruç, Rosa M. Flores, Bülent O. Akkoyunlu, Mete Tayanç	<b>DISPERSION MODELING AND AIR QUALITY MEASUREMENTS TO EVALUATE THE ODOR IMPACT OF A WASTEWATER TREATMENT PLANT IN IZMIR</b> Faruk Dinçer Fatih Kemal Dinçer, Deniz Sari, Özcan Ceylan, Özgen Ercan	
17:40-18:00	<b>CHARACTERISTICS OF HIGH PM2.5 CONCENTRATION EVENTS IN SMALL RESIDENTIAL CITY IN SOUTH KOREA</b> Young-Ji Han Sung-won Park, Su-yeon Choi, Seung-hwan Cha	<b>DETERMINING THE RELATIONSHIP BETWEEN MODIS AOD AND PM 2.5, A CASE STUDY FROM MARMARA REGION</b> Midyan Aldabash Filiz Bektaş Balçık, Ceyhan Kahya		
18:30-21:30	<b>WELCOME RECEPTION HILTON-MASLAK HOTEL</b>			



Tuesday - 24 September 2019

DIAMOND

08:30-

Registration opens at 08:30

9:00-10:30

**TACKLING THE GLOBAL AIR POLLUTION CRISIS**  
Keynote Address: Chair: Prof. Lidia Morawska  
Anumita Roychowdury (Executive Director, Research and Advocacy Centre for Science and the Environment, Delhi-India)  
Plenary Panel:  
Dr Beatriz Cardenas (Mexico); Dr Sadredin Alipour (Iran); Prof Enda Hayes (UK) and Dr. Ming Niao (China)

10:30-10:50

COFFEE BREAK

Tuesday - 24 September 2019

	DIAMOND	EMERALD	MONTANA	SAPPHIRE
10:50-12:50	<b>AQM at Local, Regional, Global Scales</b> Chair: Paulo Artaxo	<b>Emerging Air Pollutants</b> Chair: Hasancan Okutan	<b>Air Pollution and Health Risk Assessment</b> Chair: Muhayatum Santoso	
10:50-11:10	<b>DUST AND RADON LEVELS ON THE WEST COAST OF NAMIBIA – WHAT DID WE LEARN?</b> Hanlie Liebenberg-Enslin Detlof Von Oertzen, Norwel Mwananawa	<b>PHYSICAL PROPERTIES AND CHEMICAL CHARACTERIZATION OF SUBMICRON PARTICLES IN THE REGION OF CAMPINAS, SÃO PAULO, BRAZIL</b> Paulo Artaxo Djacinto Monteiro Dos Santos, Luciana Rizzo, Samara Carbone	<b>PRESCRIBED FIRE IMPACTS ON AIR QUALITY AND HUMAN HEALTH IMPACT: APPLICATION TO SOUTHEASTERN U.S.</b> Talat Odman Ran Huang, Yongtao Hu, Armistead Russell	
11:10-11:30	<b>WATERBORNE TRANSPORT IN VENICE LAGOON: A COMPROMISE BETWEEN ENVIRONMENTAL AND ECONOMIC SUSTAINABILITY</b> Eliana Pecorari Giancarlo Rampazzo, Antonio Ferrari, Giovanni Giuponi, Gianluca Cuzzolin	<b>BLACK CARBON EVALUATION IN URBAN SIDE OF ISTANBUL ATMOSPHERE DURING SPRING AND SUMMER SEASONS</b> Elif Yavuz S. Levent Kuzu, Ezgi Akyüz, Arslan Saral, Bülent Oktay Akkoyunlu, Hüseyin Özdemir	<b>SEASONAL VARIATIONS OF ORGANOCHLORINE PESTICIDES (OCPS) IN AIR SAMPLES DURING DAY AND NIGHT PERIODS IN BURSA, TURKEY</b> Gizem Sanlı Yücel Tasdemir	
11:30-11:50	<b>SOOT OXIDATION IN DIESEL PARTICULATE FILTER UNDER THE ENGINE EMISSION TEMPERATURE</b> Chun-Hao Chen Chun-wei Chen, Chu-chin Hsieh	<b>CHEMICAL CHARACTERIZATION OF RAINWATER AT ÇATALCA, ISTANBUL</b> Gizem Yücel Ali Ihsan İlhan, Tülay Balta, Gülhan Rasan, İlker Balçılar, Fatma Öztürk, Gürdal Tuncel	<b>DETERMINATION OF FLUXES AND MASS TRANSFER COEFFICIENTS OF POLYCHLORINATED BIPHENYLS (PCBS)</b> Egemen Sakin Yücel Tasdemir	<b>SIDE EVENT by the WORLD BANK: Air Quality Management in Eastern Europe and West Asia</b>
11:50-12:10	<b>THE LEVELS AND SOURCES OF OCP AND PBDES IN AGRICULTURAL SOILS OF GREENHOUSES</b> Mihriban Yılmaz Civan Tugba Ayaz, Bihter Olgun, Ebru Nur Dokumacı, Sema Yurdakul, Ayça Erdem, Güray Doğan	<b>PHYSICAL AND CHEMICAL CHARACTERIZATION OF AIRBORNE PARTICULATES IN THE PORT CITY OF RIJEKA, CROATIA</b> Boris Mifka Paula Zurga, Ana Alebic-juretic	<b>DIURNAL AND SEASONAL VARIATIONS OF VOCS, AND THEIR CONTRIBUTIONS TO CANCER RISKS AND SECONDARY ORGANIC AEROSOL IN THE ATMOSPHERE OF SEOUL, SOUTH KOREA</b> Seong-Joon Kim Sang-jin Lee, Ho-young Lee, Nara Youn, Geunwoo Lee, Hyung-bae Lim, Hye-jun Shin, Sung-deuk Choi	
12:10-12:30	<b>ESTIMATING PARTICULATE MATTER (PM) CONCENTRATIONS FROM A METEOROLOGICAL INDEX FOR DATA-SCARCE REGIONS: A PILOT STUDY</b> Anzel De Lange Rebecca Garland, Liesl Dyson	<b>A STUDY OF METAL COMPOSITION IN THE DAILY PM2.5 SAMPLES IN KIRKLARELI, TURKEY</b> Halil N. Oruç Rosa M. Flores, Bülent O. Akkoyunlu, Mete Tayanç	<b>INDOOR AIR VOC LEVELS ASSOCIATED WITH THE USE OF BLEACH CONTAINING TOILET-BOWL CLEANERS AND THE EFFECT OF VENTILATION</b> İlknur Ayrın Mesut Genisoglu, Handan Kaygisiz, Aysun Sofuoğlu, Sait C. Sofuoğlu	
12:30-12:50		<b>LONG-TERM VARIATIONS OF PH AND MAJOR ION LEVELS IN PRECIPITATION (TURKEY)</b> Gizem Yücel Ali Ihsan İlhan, Tülay Balta, Gülhan Rasan, İlker Balçılar, Fatma Öztürk, Gürdal Tuncel		
13:00-14:00	<b>LUNCH</b>			

	DIAMOND	EMERALD	MONTANA	SAPPHIRE
14:00-16:00	<b>AQM at Local, Regional, Global Scales</b> <b>Chair: Alan Gertler</b>	<b>Emerging Air Pollutants</b> <b>Chair: Mustafa Odabasi</b>	<b>Air Pollution and Health Risk Assessment</b> <b>Chair: M.Talat Odman</b>	
14:00-14:20	<b>SUCCESS OF VOLATILE ORGANIC COMPOUNDS (VOCS) EMISSION REDUCTION AND CHALLENGES FOR OIL AND GAS SECTOR IN THAILAND</b> Vichuda Tipsunave Wasin Pinprateep, Ekkapat Mahasurachaiikul, Nathasith Chiarawatchai, Chanansiri Panpanit	<b>SOURCE OF PARTICLE-BOUNDED METAL AND PAH POLLUTION IN URBAN AREA-CASE STUDY: BOR AND ZAJECAR</b> Bojan Radovic Renata Kovacevic, Visa Tasic, Marija Zivkovic, Anka Cvetkovic, Milena Jovasevic-stojanovic	<b>DYNAMIC SPATIO-TEMPORAL HEALTH IMPACT ASSESSMENTS USING GEOLOCATED POPULATION-BASED DATA: THE PULSE PROJECT</b> Domenico Vito Riccardo Bellazzi, Vittorio Casella, Cristiana Larizza, Andrea Pogliaghi, Daniele Pala	
14:20-14:40	<b>DISTRIBUTION OF SVOCs IN FINE AND COARSE PARTICULATE MATTER IN A TRAFFIC SITE IN THE MEGACITY OF ISTANBUL</b> Rosa M. Flores Hüseyin Özdemir, Bülent O. Akkoyunlu, Alper Ünal, Mete Tayanç	<b>SPATIAL AND TEMPORAL VARIATION OF AERONET AEROSOL OPTICAL DEPTH OVER TURKEY AND ITS SURROUNDING</b> Esra Ozdemir Gizem Tuna Tuygun, Fehmican Unsalan, Tolga Elbir	<b>THE USE OF A VIDEO LIBRARY TO DISTRIBUTE EXPERT KNOWLEDGE ON AIR POLLUTION AND HEALTH</b> Jeffery K Smith Pierpaolo Mudu	
14:40-15:00	<b>SEASONALITY OF PM2.5 AND ITS ORGANIC FRACTION IN A TRAFFIC SITE IN BEŞİKTAŞ, ISTANBUL</b> Rosa M. Flores Hüseyin Özdemir, Bülent O. Akkoyunlu, Alper Ünal, Mete Tayanç	<b>DOES POULTRY HOUSES IMPACT THE AIR QUALITY IN BOLU CITY CENTER?</b> Merve Aktürk Fatma Öztürk, Naama Lang-yona, Daniela Gat, Yinon Rudich, Pavlos Zarmas, Maria Tsagkaraki, Nicholas Michalopoulos, Askin Birgül, Perihan Binnur Kurt-karakuş	<b>SPATIAL MAPPING OF THE WINTER AND SUMMER PM10 ELEMENT CONCENTRATIONS IN AN URBAN AND INDUSTRIAL HOT-SPOT OF CENTRAL ITALY</b> Lorenzo Massimi Martina Ristorini, Silvia Canepari	<b>GLOBAL ATMOSPHERIC POLLUTION FORUM (by invitation)</b>
15:00-15:20	<b>WINTERTIME URBAN AIR POLLUTION IN MACEDONIA - COMPOSITION AND SOURCE CONTRIBUTION OF AIR PARTICULATE MATTER</b> Dejan Mirakovski Blazo Boev, Marija Hadzi Nikolova, Ivan Boev, Afrodita Zendelska, Tena Shijakova	<b>CHARACTERIZATION OF PM2.5 IN RELATION TO METEOROLOGICAL CHARACTERISTICS IN DHAKA CITY, BANGLADESH</b> Abdullah Al Nayeem Razib Razib, Md. Sahadat Hossain, Ahmad Kamruzzaman Majumder	<b>CONTINUOUS NATIONWIDE ATMOSPHERIC PCDD/F MONITORING NETWORK IN TAIWAN (2006-2016): CONCENTRATION VARIATION, EMISSION SOURCE APPORTIONMENT AND CARCINOGENIC RISK ASSESSMENT</b> Kai Hsien Chi Tuan Hung Ngo, Yu-hsuan Yang, Che-ming Chang, Neng-huei Lin	
15:20-15:40	<b>ASSESSMENT OF THE LEVELS OF TRACE ELEMENTS AND IONS IN RAINWATER SAMPLES IN PAMUKKALE, DENIZLI, TURKEY</b> Sibel Cukurluoglu	<b>COMMUTER EXPOSURE TO BLACK CARBON, FINE PARTICULATE MATTER AND PARTICLE NUMBER CONCENTRATION IN PUBLIC MARINE TRANSPORT IN ISTANBUL</b> Burcu Onat	<b>AN INTEGRATED ANALYSIS OF DUST TRANSPORT OVER TURKEY</b> Efem Bilgic Gizem Tuna Tuygun, Orhan Gunduz	
15:40-16:00	<b>AMBIENT AIR POLYBROMINATED DIPHENYL ETHER (PBDE) CONCENTRATIONS IN URLA, IZMIR, AND BACK TRAJECTORY MODELLING</b> Ilknur Ayrı Mesut Genisoglu, Aysun Sofuoglu, Perihan B. Kurt-karakus, Askin Birgul, Sait C. Sofuoglu	<b>SPATIAL AND TEMPORAL VARIABILITY OF RAINWATER CHEMISTRY IN TURKEY</b> Gürdal Tuncel Ali Ihsan Ilhan, Tülay Balta, Ilker Balçilar, Fatma Öztürk	<b>MONITORING AND ANALYSIS OF AMBIENT AIR QUALITY AND VEHICULAR EMISSION, ASSESSING THEIR IMPACTS ON HUMAN HEALTH AND ROLE IN ENHANCING CLIMATE CHANGE</b> Waqas Ahmed Khan	
16:00-16:20	<b>COFFEE BREAK</b>			

	DIAMOND	EMERALD	MONTANA	SAPPHIRE
16:20-18:00	<b>AQM at Local, Regional, Global Scales</b> Chair: Ashraf Ramadan	<b>Future Challenges</b> Chair: Silviye Davila	<b>Air Pollution and Health Risk Assessment</b> Chair: Ji Hyeon Song	
16:20-16:40	<b>ENVIRONMENTAL AND HEALTH IMPACTS OF BIOMASS BURNING IN SOUTHEAST ASIA</b> Rajasekhar Balasubramanian	<b>ASSESSMENT OF THE LONG-TERM OZONE INCREASE IN KOREA</b> Gangwoong Lee	<b>HEALTH RISK ASSESSMENT OF FINE INHALABLE PARTICULATE MATTER EXPOSURE IN KUWAIT</b> Ali Al-Hemoud	
16:40-17:00	<b>ASSESSMENT OF AMBIENT AIR QUALITY IN RESIDENTIAL AREA IN SOUTHERN KUWAIT</b> Ashraf Ramadan Mohamed Yassin, Noor Al-dousari	<b>SYNTHESIS NANOFIBER MEMBRANE COMPOSITE FOR AEROSOL FILTRATION OF AIR POLLUTANTS</b> Muhamad Nasir Rana Ida Sugatri, Triannisa Rahmawati, Rihlatul Adni, Fiitri Dara, Indah Primadona	<b>AIR POLLUTION EXPOSURE ASSESSMENT USING MOBILE POPULATION BIG DATA</b> Young Sunwoo Hyerim Kim, Hyeong-seok Kim	
17:00-17:20	<b>LONG-TERM AIR QUALITY ASSESSMENT IN KUWAIT</b> Ashraf Ramadan Masumah Al-qasimi	<b>COMPARISON OF ELECTRO-CHEMICAL SENSORS FOR AIR QUALITY MONITORING WITH REFERENCE METHODS IN ZAGREB</b> Silviye Davila Ivan Bešlić, Marko Marić, Ivana Hrga	<b>AN OVERVIEW OF WRI EXPERIENCES IN IMPACTS ASSESSMENT ON AIR QUALITY AND PERSONAL EXPOSURE TO AIR POLLUTANTS OF MOBILITY INTERVENTIONS</b> Tugce Uzumoglu Cristina Albuquerque, Beatriz Cardenas, Seth Contreras, Luisa Oliveira, Jessica Seddon, Walter Simoni	<b>SIDE EVENT:</b> Clean Air Asia Sponsored Session on Reducing Air Pollution in Asian cities
17:20-17:40	<b>WINTERTIME AMBIENT NH3 AND ITS POTENTIAL SOURCES MEASURED IN URBAN AND MOUNTAIN SITES IN SEOUL</b> Eunmi Jeon Mijin Ahn, Seungsung Yoo, Jinho Shin, Yongseung Shin	<b>ANALYSIS OF MONITORING DATA OF EANET AND POLICY IMPLICATIONS FOR ATMOSPHERIC ENVIRONMENT MANAGEMENT IN EAST ASIA</b> Meihua Zhu Ken Yamashita, Masazumi Ao, Shuhei Ohno	<b>ASSESSMENT OF POTENTIAL HUMAN AND ECO-TOXICITIES FROM AIRBORNE CHEMICAL EMISSIONS IN THE PETROCHEMICAL INDUSTRIAL COMPLEX</b> Sarawut Thepanondh Krisda Chidsanit, Natchanon Aggapongpisit	
17:40-18:00	<b>APPLICATION OF TRAFFIC RELATED NOX EMISSION REDUCTION SCENARIOS IN TRABZON, TURKEY</b> S. Sinan Keskin Melike Nese Tezel, Deniz Sari, Nesimi Ozkurt		<b>ECONOMIC AND HEALTH BURDENS OF AIR POLLUTANT EMISSIONS FROM COAL POWER PLANTS IN TURKEY</b> Funda Galcal	

Wednesday - 25 September 2019	
	<b>DIAMOND</b>
08:30-	Registration opens at 08:30
9:00-10:30	<b>ENERGY TRENDS AND THEIR IMPLICATIONS FOR CLEANER AIR</b> Keynote Addresses: Chair: Dr. John Murlis Prof. Alan Gertler (USA); Prof.Lidia Morawska (AU); Dr.Michael Walsh (USA)
10:30-10:50	<b>COFFEE BREAK</b>

	DIAMOND	EMERALD	MONTANA	SAPPHIRE
10:50-12:50	<b>AQM at Local, Regional, Global Scales</b> Chair: Sermin Ormektekin	<b>Emission Inventories</b> Chair: Juliana Binti Jalaludin	<b>Air Pollution Modeling</b> Chair: Mete Tayanç	
10:50-11:10	<b>EXAMINING FACTORS INFLUENCED AND VARIABLE INTERACTIONS OF PARTICULATE MATTER (PM10) CONCENTRATIONS AT AN INDUSTRIAL AND URBAN CITIES USING BOOSTED REGRESSION TREES TECHNIQUE</b> Noor Zaitun Yahaya Zul Fadhi Ibrahim	<b>DEVELOPMENT OF AIR POLLUTION EMISSION INVENTORY FOR SHIPPING ACTIVITIES IN HA LONG BAY, VIETNAM</b> Huyen Truong Thi Ekbordin Winijkul, Kim Oanh Nguyen Thi	<b>ESTIMATION OF PM2.5 CONCENTRATIONS USING RANDOM FOREST MODELS WITH MAIAC AOD RETRIEVALS, MERRA-2 AND LAND USE PARAMETERS</b> Soledad Represa Jesus Manuel Palomar-vazquez, Alfonso Fernandez-sarria, Andres Porta	
11:10-11:30	<b>AIR QUALITY MANAGEMENT ACHIEVEMENTS, CHALLENGES AND THE WAY FORWARD IN CHINA : INCLUDING PM2.5 AND OTHER MAJOR AIR POLLUTANTS</b> Yao Dong	<b>DEVELOPMENT OF AN EMISSION INVENTORY FOR THE STATE OF KUWAIT</b> Ashraf Ramadan	<b>NUMERICAL INVESTIGATION OF MAJOR SPECIES DISTRIBUTION IN TURBULENT LARGE SCALE FLOW</b> Mohamed Salah Idrissi Mouldi Chrigui, Nabil Ben Salah	
11:30-11:50	<b>INTERNATIONAL EPISTEMIC COMMUNITIES AND ENVIRONMENTAL COOPERATION IN REGIONAL SOCIETY:THE CASE OF CHINA-JAPAN COOPERATION ON AIR POLLUTION</b> Yun Zhang Meihua Zhu	<b>MODELING OF GREENHOUSE GAS EMISSIONS FROM TRANSPORTATION SECTOR IN ISTANBUL</b> Tuğba Doğan Güzel Kadir Alp	<b>FORECASTING OF PM10 CONCENTRATIONS IN ISTANBUL USING BACKPROPAGATION NEURAL NETWORK</b> Elif Palaz Tolga Elbir	IUAPPA Board Meeting
11:50-12:10	<b>SPATIOTEMPORAL VARIATION OF BRICK KILNS AND ITS RELATION TO GROUND-LEVEL PM2.5 THROUGH MODIS IMAGE AT DHAKA DISTRICT, BANGLADESH</b> Abdullah Al Nayeem Nayeem Md. Sahadat Hossain Hossain, Ahmad Kamruzzaman Majumder Majumder, William S Carter Carter	<b>CORRECTION OF CRUSTAL AND ROAD DUST RESUSPENSIONS CONTRIBUTIONS IN EMISSION FACTOR CALCULATIONS</b> Duran Karakaş Melike Büşra Bayramoğlu Karşı, Ercan Berberler, Tuğçe Demir, Özge Aslan, Serpil Yenisoş Karakaş	<b>EVALUATING THE PERFORMANCE OF ANN IN PREDICTING THE CONCENTRATIONS OF AMBIENT AIR POLLUTANTS</b> Sedef Çakır Moro Sita	
12:10-12:30	<b>BIBLIOMETRIC ANALYSIS ON USE OF MOSSES IN AIR POLLUTION STUDIES AND POSSIBLY OF USE OF MOSSES FOR PASSIVE MONITORING OF PM10</b> Güray Doğan Bihter Olgun, Feyza Bingöl, Cansu Misirlioğlu, Selcen Doğan, Ayça Erdem, Çiğdem Moral	<b>VEHICLE INSPECTION POLICY AND EMISSION ANALYSIS IN KUWAIT</b> Fahad Alrukaibi Sharaf Alkheder, Ahmad Aiash	<b>A NUMERICAL INVESTIGATION OF AEROSOL-CLOUD-RADIATION INTERACTIONS</b> Zafer Boybeyi	
12:30-12:50	<b>COMPARISON OF BTEX EXPOSURE OF COMMUTERS DUE TO ON-ROAD TRAFFIC AROUND CANAKKALE AND KILITBAHIR HARBORS</b> Sibel Mentese Bahar Akca	<b>A METHODOLOGY FOR CALCULATING RESIDENTIAL HEATING EMISSIONS IN TURKEY AND COMPARISON OF THE RESULTS WITH EDGAR AND EMEP EMISSION DATA BASES</b> Zeynep Akgül Kadir Alp, Gökçe Durukan, Gökhan Cüceloğlu		
13:00-14:00				
	<b>LUNCH</b>			

	DIAMOND	EMERALD	MONTANA	SAPPHIRE
14:00-15:40	POSTER SESSION			
15:40-16:00	COFFEE BREAK			
16:00-18:00	<b>AQM at local, Regional, Global Scales</b> <b>Chair: Claudio Bells</b>	<b>Air Pollution Effects on Human Health</b> <b>Chair: Jing-Shiang Hwang</b>	<b>Integrating Air Quality and Climate</b> <b>Chair: Robert Bornstein</b>	
16:00-16:20	<b>INTEGRATING CITIZEN'S BEHAVIOUR AND AIR QUALITY MANAGEMENT TO RAISE PUBLIC AWARENESS IN EUROPEAN CITIES</b> Enda Hayes Joanna Barnes, Laura De Vito, Corra Boushel, Laura Foggorogers, Andy King, Kris Vanherle, Myriam Lopes, Eva Csobod, Vera Rodrigues, Stephan Slingerland, Svein Knudsen, James Longhurst, Hans Bolsher	<b>EFFECTS OF LONG-TERM EXPOSURE TO PM2.5 AIR POLLUTION ON LIFE EXPECTANCY OF ELDERLY POPULATION IN TAIWAN</b> Jing-Shiang Hwang Tsuey-hwa Hu	<b>AIR POLLUTION AND CLIMATE CHANGE IN AMAZONIA</b> Paulo Artaxo Henrique Barbosa, Luciana Rizzo, Samara Carbone, Marco Franco, Fernando Morais	<b>SIDE-EVENT</b> <b>by the WORLD RESOURCES INSTITUTE on AIR QUALITY STRATEGY</b>
16:20-16:40	<b>SPATIAL VARIATIONS OF LINEAR AND VOLATILE METHYL SILOXANES IN A RIVER BASIN AND THEIR AIR-WATER EXCHANGE PATTERNS</b> Baris Yaman Hakan Erkuzu, Fulya Okan, Mustafa Odabasi	<b>HEAVY METAL EXPOSURE MONITORING OF RESIDENTS OF SLAVONSKI BROD</b> Marijana Valjeti Vesna Ćosić, Tatjana Orct, Cleo Kosanović, Anamarija Savičević, Ante Cvitković	<b>ANALYSIS AND MODELING OF URBAN WEATHER AND AIR QUALITY IN A CHANGING CLIMATE</b> Robert Bornstein	
16:40-17:00	<b>ASSESSMENT OF ACCURACY AND PRECISION OF SENSOR-BASED AIR QUALITY MONITORS AND TIME DEPENDENCE OF FIELD CALIBRATION FUNCTIONS</b> Stefano Zauli-Sajani Stefano Marchesi, Annamaria Colacci	<b>EMERGENCY INTERVENTIONS AND AIR POLLUTION IN SLAVONSKI BROD, CROATIA</b> Ante Cvitkovi Vesna Ćosić, Marijana Valjetić	<b>INFLUENCES OF ANTHROPOGENIC EMISSIONS ON STRONGLY LIGHT ABSORBING PRIMARY AND SECONDARY ORGANIC AEROSOL FORMATION IN URBAN ENVIRONMENT</b> Alex Lee Nethmi Kasthuriarachchi, Laura-hélèna Rivellini, Max Adam	
17:00-17:20	<b>FACTORS AFFECTING DUST COLLECTION EFFICIENCY OF ELECTROSTATIC PRECIPITATORS: PRESSURE LOSSES RELATED TO TURBULENCE</b> Sevtap Tirink Bahtiyar Öztürk	<b>QUANTIFYING THE EFFECTS OF AIR POLLUTION ON HUMAN HEALTH AND ECONOMY IN TURKEY USING THE EVA MODELLING SYSTEM</b> Huseyin Ozdemir Ulas Im, Jesper Heile Christensen, Camilla Geels	<b>COLLABORATIVE AND COOPERATIVE EFFORTS IN COMBATING LOCAL AND TRANSBOUNDARY HAZE IN SARAWAK, MALAYSIA</b> Peter Sawal Elizabeth Nyomek	
17:20-17:40	<b>INDOOR AIR GAS-PARTICULATE PARTITIONING OF SYNTHETIC MUSK COMPOUNDS</b> Esin Balci Mesut Genisoglu, Aysun Sofuoglu, Sait Cemil Sofuoglu	<b>INVESTIGATION OF THE EFFECT OF AIR CLEANING DEVICES ON AIR QUALITY IN THE INTENSIVE CARE UNIT</b> Sanaz Lakestani Ibrahim Cakir, Hasan Tahsin Ozdas, Isa Yildiz, Abdullah Demirhan	<b>ALIGNING NATIONAL SELF INTEREST WITH GLOBAL CLIMATE STABILIZATION OVER THE SHORT, MEDIUM AND LONGER TERM</b> Catherine Witherspoon	

# PROGRAM

Thursday - 26 September 2019		WORKSHOP by the Malaysian Clean Air Society: Health Risk and Impact Assessment
	DIAMOND	
08:30-	Registration opens at 08:30	
9:00-9:40	<b>ONE ATMOSPHERE: INTEGRATING CLIMATE AND AIR POLLUTION SCIENCE AND POLICY</b> Keynote Addresses: Chair: Beatriz Cardenas Dr.Markus Amann (Austria); Prof. Paulo Artaxo (Brazil)	
9:40-10:00	COFFEE BREAK	



	DIAMOND	EMERALD	MONTANA	SAPPHIRE
10:00-13:00	<b>Air Pollution Control and Benefits for Biodiversity</b> Chair: Ekrem Ekinci	<b>Air Pollution Effects on Human Health</b> Chair: Emmanuel Baja	<b>Air Pollution Modeling</b> Chair: Gulen Gullu	
10:00-10:20	<b>COMPARING THE PERFORMANCE OF ENTRAINED MIXING REACTOR APPLIED TO THE DRY SCRUBBING OF GASEOUS SO<sub>2</sub> AND HCL WITH HYDRATED LIME</b> Young Ok Park Jea Won Han, Jea Rang Lee, Naim Hassoli, Kang San Lee, Hea Taik Kim, Kwang Duek Kim	<b>ASSOCIATIONS BETWEEN AIR-BORNE HEAVY METALS AND BLOOD PRESSURE AMONG TRAFFIC ENFORCERS OF THE METROPOLITAN MANILA DEVELOPMENT AUTHORITY (MMDA) HEALTH STUDY: MODIFICATION BY SEX, AND OBESITY</b> Emmanuel S. Baja Zypher Jude G. Regencia, Daniel B. Quizon, Kenneth B. Quizon, Nover Edward P. Duarte, Godofreda V. Dalmacion	<b>ANALYSIS AND MODELING OF URBAN STORM-BIFURCATION EFFECTS OVER BEIJING</b> Robert Bornstein Jingjing Dou, Shiguang Miao	
10:20-10:40	<b>ASSESSMENT OF VOLATILE ORGANIC COMPOUNDS CONTENT FOR A GREEN ANTI-CORROSION COATING USING NOVEL ADDITIVE OF MORINGA OLEIFERA</b> Mohd Sabri Mohd Ghazali Wan Mohamad Ikhmal Wan Mohamad Kamaruzzaman, Maria Fazira Mohd Fekeri, Wan Rafizah Wan Abdullah	<b>A REVIEW ON THE ECONOMIC COST OF THE HEALTH IMPACT DUE TO AIR POLLUTION – ESTIMATING THE COSTS OF MORBIDITY</b> Titi Rahmawati Hamedon	<b>ANALYSIS OF SURFACE OZONE LEVELS IN THE FOREST AND VEGETATION AREAS IN NORTHWEST ANATOLIA WITH USING METEOROLOGICAL AND AIR QUALITY MODELS</b> Deniz Sarı Nesimi Özkurt, Selahattin Incecik	
10:40-11:00	<b>CARBON SEQUESTRATION POTENTIAL OF VEGETATIVE SPECIES (TREES) OF LAHORE, PAKISTAN</b> Waqas Ahmed Khan Nusrat Ehsan	<b>THE RELATIONSHIP BETWEEN BUILT ENVIRONMENT AND CHILDHOOD ASTHMA</b> Neşe Aydın Yücel Can Severcan	<b>TEMPORAL AND SPATIAL VARIABILITY OF ATMOSPHERIC AMMONIA IN THE LOMBARDY REGION (NORTHERN ITALY)</b> Giovanni Lonati Stefano Cernuschi	
11:00-11:20	<b>DETERMINATION OF GREENHOUSE GAS REDUCTION POTENTIAL FOR SOLID FUEL BASED POWER GENERATION PLANTS IN TURKEY</b> Ece Gizem Cakmak Hasancan Okutan	<b>CYTOTOXICITY ASSESSMENT OF PM<sub>2.5</sub> COLLECTED FROM SPECIFIC ANTHROPOGENIC ACTIVITIES IN TAIWAN</b> Kai Hsien Chi Wen Xuan Huang, Yun Fang Ueng, Che-ming Chang, Neng-huei Lin, Jia Lin Wang	<b>DETERMINATION OF PM<sub>10</sub> AND SO<sub>2</sub> SOURCE CONTRIBUTION USING EMISSION INVENTORY DATA IN THE MULTI-INDUSTRIAL CITY OF ULSAN, SOUTH KOREA</b> Sang-Jin Lee Sung-deuk Choi	<b>WORKSHOP by the Malaysian Clean Air Society: Health Risk and Impact Assessment</b>
11:20-11:40	<b>AIR QUALITY LEVEL, EMISSION SOURCES AND CONTROL STRATEGIES IN BURSA</b> Burak Çalışkan Nihan Özençin, Siddik S. Cindoruk	<b>DARK REPORT 2019: AIR POLLUTION AND HEALTH IMPACTS</b> Right To Clean Air Platform Right To Clean Air Platform	<b>SIMULATION OF ATMOSPHERIC POLLUTANT DISPERSION FROM INDUSTRIAL EMISSIONS OF NOVOKUZNETSK, RUSSIA USING WRF-CALPUFF MODEL</b> Dasom Park Young Sunwoo	
11:40-12:00	<b>EVALUATIONS OF MANGANESE CATALYSTS FOR THE REMOVAL OF VOLATILE ORGANIC COMPOUNDS EMITTED FROM PRINTING PROCESSES</b> Jihyeon Song Ho Young Cha, Hae-young Ahn, Yoon Kyoung Lee	<b>OCULAR SYMPTOMS AND TEAR FILM BREAK UP TIME (BUT) AMONG SECONDARY SCHOOL STUDENTS IN SABAH, MALAYSIA: ASSOCIATIONS WITH SCHOOL INDOOR AIR</b> Zailina Hashim Anis Zahira, Shamsul Bahari Shamsudin, Jamal Hisham Hashim	<b>LOCATION OPTIMIZATION FOR COAL-FIRED POWER PLANTS USING GEOGRAPHICAL INFORMATION SYSTEMS AND CALPUFF DISPERSION MODEL</b> Ezgi Akyüz Barış Saridikmen, Burçak Kaynak	
12:00-12:20	<b>AN IMPROVED HIGH PRESSURE CO<sub>2</sub> CAPTURE TECHNOLOGY FOR OXY-FUEL COMBUSTION</b> Hande Çukurlu Yasemen Kuddusi, Barış Oktay, Hüsnü Atakül, Hasancan Okutan		<b>CHALLENGES OF INDIAN OPERATIONAL AIR QUALITY FORECASTING SYSTEM AND EXTREME POLLUTION EVENT</b> Gufran Beig	
12:20-12:40	<b>TECHNOLOGICAL IMPROVEMENT STUDIES IN TURKISH CEMENT SECTOR ACCORDING TO EUROPEAN UNION BEST AVAILABLE TECHNIQUES DIRECTIVES</b> Hasancan Okutan Kadir Alp, Ismail Toröz, Kadir Bayburtlu, Mustafa Evren Erşahin, Hale Özgün, Recep Kaan Dereli, Halil Dertli, Doğan Özkul		<b>CHARACTERIZATION, SOURCE APPORTIONMENT AND CARCINOGENIC RISK ASSESSMENT OF PM<sub>10</sub> AND PM<sub>2.5</sub> OVER THE DOON VALLEY LOCATED IN THE WESTERN HIMALAYAS OF INDIA</b> Ashish Soni Ujjwal Kumar, Vignesh Prabhu, Vijay Shridhar	
12:40-13:00	<b>ODOR REMOVAL TECHNOLOGIES IN FERMENTATION INDUSTRY: A PAKMAYA EXPERIENCE</b> Mustafa Turker Seval Karadağ, Yusuf Işık, Ismail Ertan, Çetin Keskiner		<b>PARTICLE NUMBER CONCENTRATIONS IN THE PO VALLEY (NORTHERN ITALY) IN WINTERTIME: COMPARISON BETWEEN URBAN AND RURAL SITES</b> Giovanni Lonati Arianna Trentini	
13:00-14:00	<b>LUNCH</b>			

Thursday - 26 September 2019

	DIAMOND	EMERALD	MONTANA	SAPPHIRE
14:00-15:40	<p><b>AQM at Local, Regional, Global Scales</b> Chair: Markus Amann</p> <p><b>VEHICLE CATEGORY INFLUENCE ON URBAN AIR POLLUTION IN KUALA LUMPUR, MALAYSIA</b> Nurzawani Md Sofwan Nor Diana Abdul Halim, Mohd Talib Latif, Azliyana Azhari, Murnira Othman</p>	<p><b>Air Pollution Effects on Human Health</b> Chair: Gurdal Tuncel</p> <p><b>GENOTOXICITY OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN SIZE SEGREGATED PM SAMPLES COLLECTED FROM A THERMAL POWER PLANT AREA</b> Eftade O.Gaga Pelin Ertürk Ari, Gonca Çakmak, Akif Ari, Roel Schins, Mustafa Odabaşı, Yetkin Dumanoglu, Sema Burgaz</p>	<p><b>Integrating Air Quality and Climate</b> Chair: Eftade O.Gaga</p> <p><b>TOWARDS LOW CARBON MOBILITY IN A DEVELOPING COUNTRY</b> Muhammad Saifuddin Mohamed Rehan Mohamed Rehan Karim</p>	
14:20-14:40	<p><b>DETERMINATION OF PM10 AND DEPOSITED DUST DISPERSION ON THE SETTLEMENT AREAS FROM AKSA GÖYNÜK COAL (LIGNITE) FUELED THERMAL POWER PLANT</b> Özgen Ercan Faruk Dinçer, Deniz Sari, Özcan Ceylan, Fatih Kemal Dinçer</p>	<p><b>ASSESSMENT OF PARTICULATE MATTER CONCENTRATION, ELEMENTAL COMPOSITION AND SOURCE APPORTIONMENT IN TWIN CITIES OF RAWALPINDI &amp; ISLAMABAD, PAKISTAN</b> Sana Rizwan Muhammad Jahanzaib, Sana Iqbal</p>	<p><b>CLIMATE CHANGE MITIGATION VIA AFFORESTATION: A CASE STUDY ON ISTANBUL-DURUSU COASTAL DUNES PINUS PINASTER AFFORESTATION</b> Doğanay Tolunay Ender Makineci, Alper Gün Öztuna, Servet Pehlivan, Musalam Mohammed Abdalmoula, Abbas Şahin</p>	<p><b>WORKSHOP</b> by the <b>Malaysian Clean Air Society:</b> Health Risk and Impact Assessment</p>
14:40-15:00	<p><b>SPATIAL AND TEMPORAL INVESTIGATION OF THE CONCENTRATIONS OF OZONE AND ITS PRECURSORS IN MARMARA REGION OF TURKEY</b> Sabin Kasparoglu Selahattin Incecik, Sema Topcu</p>	<p><b>ASSESSMENT OF PM2.5 CONCENTRATIONS IN INDOOR AND OUTDOOR ENVIRONMENTS OF DIFFERENT WORK PLACES</b> Fatma Nur Eraslan Özlem Özden Üzmez, Eftade O. Gaga</p>	<p><b>MEASUREMENT OF NIGHTTIME NO3 BY USING PASSIVE DOAS IN YONGIN, KOREA</b> Seonju Won Giwan Kim, Yuwoon Jang, Gangwoong Lee</p>	
15:00-15:20	<p><b>INVESTIGATION OF THE EFFECTS OF ATMOSPHERIC PARTICULATE MATTER TRANSPORTED FROM DESERTS ON PHOTOVOLTAIC MODULE PERFORMANCE IN ŞANLIURFA, TURKEY</b> Nurettin Beşli Tuba Rastgeldi Doğan, Nurettin Beşli, Mehmet Azmi Aktacir, Merne Nur Dinç, Mehmet Akif Ilkhan, Fatma Öztürk, Melek Yıldiz</p>	<p><b>GENE-ENVIRONMENTAL INTERACTION: THE EVALUATION OF CHROMOSOMAL DAMAGE AMONG URBAN TRAFFIC POLICEMEN EXPOSED TO BENZENE IN RELATION TO NQ01, GSTT1, AND GSTM1 POLYMORPHISM</b> Noor Fatimah Mohamad Fandi Juliana Jalaludin, Suhaili Abu Bakar, Mohd Talib Latif</p>		
15:40-16:00	<b>COFFEE BREAK</b>			

	DIAMOND	EMERALD	MONTANA	SAPPHIRE
16:00-18:00	<b>AQM at Local, Regional, Global Scales</b> Chair: Enda Hayes	<b>Air Pollution Effects on Human Health</b> Chair: Beatriz Cardenas	<b>Air Pollution Control and Benefits for Biodiversity</b> Chair: Serpil Yenisoay Karakas	
16:00-16:20	<b>INTEGRATED AIR QUALITY ASSESSMENT OF KONYA IN TERMS OF METEOROLOGY, TOPOGRAPHY AND EMISSION SOURCES</b> Mete Tayanç Ismail Sezen, Ezgi Akyüz, Burçak K. Tezel, Metin Baykara, Alper Ünal	<b>AN ASSESSMENT OF INDOOR AIR QUALITY OF AN OFFICE BUILDING LOCATED IN GURUGRAM CITY, INDIA</b> Gourav Suthar Praveen Babu, R.k. Malik	<b>COMPARATIVE STUDY BETWEEN ATTACHED AND SUSPENDED GROWTH SYSTEM IN VOCs ABATEMENT</b> İlker Akmirza Mohammed Salim Shihab, Rasha Khalid Sabri Mhemid, Mustafa Türker, Kadir Alp	
16:20-16:40	<b>MARCH 2018 DUST TRANSPORT CASE FOR TURKEY</b> S. Yeşer Aslanoğlu A. Gökçen Işık, Cihan Dündar, Gülen Güllü, Gürdal Tuncel	<b>METAL EMISSIONS CHARACTERIZATION OF PISTON ENGINE AIRCRAFT USED IN GENERAL AVIATION</b> Soner Özenç İlhan Eftade Gaga, Gürkan Açikel, Duran Çalışır, Mustafa Odabaşı, Akif Ari, Güلزade Artun, Emre Can, Enis Turgut	<b>AN ECOLOGICAL ASSESSMENT ON THE AIR POLLUTION ENVIRONMENT OF AKHISAR</b> Arzu YÜCEL M.Dogan Kantarcı	
16:40-17:00	<b>A STUDY OF AIR QUALITY STATUS USING LICHENS ACROSS POLLUTANT GRADIENT IN PENINSULAR MALAYSIA</b> Hartini Mahidin Asmida Ismail, Che Amira Izzati Che Man , Nurul Aida Kamal Ikhsan, Faezah Pardi	<b>PRENATAL EXPOSURE TO AIR POLLUTION AS A POTENTIAL RISK FACTOR FOR AUTISM AND ADHD</b> Anna Oudin Kasper Frondelius, Nils Haglund, Karin Källén, Bertil Forsberg, Peik Gustafsson, Ebba Malmqvist	<b>AN EXAMINATION OF THE OZONE EFFECT ON THE MARITIME PINE IN THE RIVA FOREST PLAN UNIT IN THE NORTHEAST OF MARMARA REGION, TURKEY: A CASE STUDY</b> Ali Gürel Mehmet Alan, Mehmet Özdemir, Selahattin İncecik	<b>FORUM by the Malaysian Clean Air Society: Low Carbon Economy</b>
17:00-17:20	<b>OVERVIEW OF AIR POLLUTANT INDEX (API) BASED ON PM2.5 IN MALAYSIA IN YEAR 2018</b> Ezahtulsyahreen Ab Rahman Noor Zaitun Yahaya, Mashitah Darus, Firdaus Hamzah	<b>INDOOR AIR THM LEVELS IN AN OLYMPIC AND A SEMI-OLYMPIC SWIMMING POOL</b> Yetkin Dumanoglu Mesut Genisoglu, Ceren Nurlu, Begum Unsal, Merve Yolcular, Sait C. Sofuoglu	<b>PLANT-BASED NEGATIVE AIR ION GENERATION SYSTEM AND ITS APPLICATION ON PARTICULATE MATTER REMOVAL</b> Shu-Ye Jiang Ali Ma, Peter Chia, Srinivasan Ramachandran	
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# PROGRAM

Friday - 27 September 2019	
	DIAMOND
9:30-11:00	<b>PRIORITIES FOR ATMOSPHERIC POLLUTION SCIENCE AND POLICY: THE NEXT TEN YEARS</b> Panel and Discussion: Chairs: Prof. Selahattin Incecik, Dr. Richard Mills Prof.Paulo Artaxo (BR); Dr.Markus Amman(AT); Prof.Lidia Morawska (AU); Michael P.Walsh (USA)
11:00-11:30	COFFEE BREAK
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<b>P.2</b>	NECESSITY OF IMPROVED AMMONIA EMISSION INVENTORY IN AGRICULTURE <i>Sung-Chang Hong, Eu-suk Jang, Sun-young Yu, Kyeong-sik Kim, Kyu-hyun Lee, Sae-nun Song</i>
<b>P.3</b>	HONO SENSITIVITY TO H <sub>2</sub> O <sub>2</sub> AND O <sub>3</sub> FORMATION DURING KORUS-AQ CAMPAIGN IN SEOUL, KOREA <i>Giwan Kim, Seonju Won, Jeonghwan Kim, Yuwoon Jang, Gangwoong Lee</i>
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