

FIRST INTERNATIONAL WORKSHOP ON ATMOSPHERIC CHEMISTRY: SOURCES AND IMPACTS

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A B A N T P A L A C E H O T E L
B O L U



LOCAL ORGANIZING COMITTEE

Assoc. Prof. Fatma ÖZTÜRK

Dr. Eda SAĞIRLI

Abilmansur YESHMURATOV

Ayşenur TEKİN

Bekir TAŞPINAR

Burcu ÜNAL

Emre DİKMEN

Hande MISIRLIOĞLU

Merve AKTÜRK

Mercan YÜKSEK

Tuğçe ERYAKALI

SCIENTIFIC COMITTEE

Assoc. Prof. Fatma ÖZTÜRK (Chair, BAİBÜ)

Prof. Alper ÜNAL (ITU)

Prof. Aysel ATIMTAY (ODTU)

Prof. Gülen GÜLLÜ (HU)

Prof. Gürdal TUNCEL (ODTU)

Prof. Perihan Binnur KURT KARAKUŞ (BTU)

INTERNATIONAL SCIENTIFIC COMITTEE

Assoc. Prof. Fatma ÖZTÜRK (Chair, BAIBU)

Prof. Alper ÜNAL (ITU)

Prof. Aysel ATIMTAY (ODTU)

Prof. Gülen GÜLLÜ (HU)

Prof. Gürdal TUNCEL (ODTU)

Prof. Maria Kanakidou (University of Crete)

Prof. Nikolaos Mihalopoulos (NOA & University of Crete)

Prof. Perihan Binnur KURT KARAKUŞ (BTU)

OBJECTIVES OF THE WORKSHOP



Determination of research priorities in air pollution and air quality



Paving the road in the air quality monitoring and impacts of air pollution on human health and environment by brainstorming with the researchers from different countries



Building cooperation and networking among the researchers participating to the workshop and increasing the potential partnership in future project opportunities



Guiding young researchers and graduate students to direct their future career in the atmospheric chemistry and relevant researches

TOPICS OF THE WORKSHOP

ATMOSPHERIC MODELLING STUDIES

ATMOSPHERIC MONITORING

SOURCE APPORTIONMENT

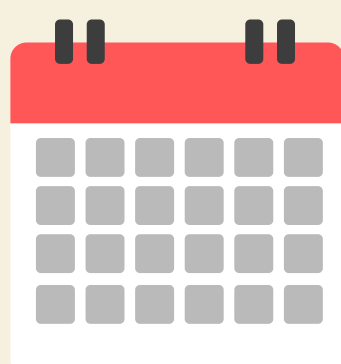


AIR POLLUTION and HEALTH IMPACTS

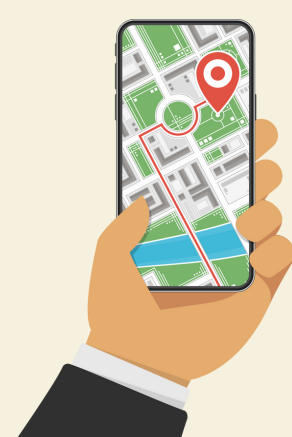
PHYSICAL and CHEMICAL CHARACTERIZATION of AEROSOLS

LONG RANGE TRANSPORT of AIR POLLUTION

WORKSHOP DATES & LOCATION



13-15 OCTOBER 2022



ABANT PALACE HOTEL

Abant Lakeside Örencik Village,
Yukarı Mahalle 106/2, 14800, Mudurnu/Bolu

KEYNOTE SPEAKERS



Prof. Gürdal Tuncel
Middle East Technical University

**"Eastern Black Sea aerosol: Brand new
source areas for the Middle East"**



Prof. Nikolaos Mihalopoulos
National Observatory of Athens (NOA)
University of Crete

**"Atmospheric Pollution around Mediterranean:
Sources and Impacts on Air Quality and Health"**



Prof. Maria Kanakidou
University of Crete

**"Organics in the Air: Sources, Process and
Impact on Biogeochemical Cycles"**

WORKSHOP PROGRAMME

13 OCTOBER 2022

Start	End	Speaker	Title
08:00	08:30	BREAKFAST	
08:30	09:20	REGISTRATION	
09:30	10:00	Assoc. Prof. Fatma Öztürk	Welcome and Introduction
Session 1	Chair: Prof. Alper Ünal		
10:00	11:00	1. <i>Keynote Speaker</i> Prof. Gürdal Tuncel	Eastern Black Sea aerosol: Brand new source areas for the Middle East
11:00	11:15	Coffee Break	
Session 2	Chair: Prof. Gülen Güllü		
11:15	12:15	2. <i>Keynote Speaker</i> Prof. Nikolaos Mihalopoulos	Atmospheric Pollution around Mediterranean: Sources and Impacts on Air Quality and Health
12:15	14:00	Lunch	
Session 3	Chair: Assoc.Prof. Sema Yurdakul		
Air Pollution and Health Impacts			
14:00	14:20	Dr. Ulaş İm (Virtual)	Present and future mortality due to exposure to fine particulate matter and ozone
14:20	14:40	Dr. Kadir Ulutaş	Evaluation of the Health Impact of NO ₂ for 2019 Using AIRQ+ in Bolu
14:40	15:00	Dr. Despoina Paraskevopoulou	Long-term Variability of Reactive Oxygen Species (ROS) in Athens Atmosphere
15:00	15:15	Coffee Break	
Session 4	Chair: Prof. Gürdal Tuncel		
Physical and Chemical Characterization of Aerosols-I			
15:20	15:40	Dr. Nikolaos Kalivitis	Physicochemical Properties of Aerosols at Finokalia (Crete)
15:40	16:00	Dr.Mehdi Amouei Torkmahalleh	Advances in Sampling and Analysis of Hexavalent Cr
16:20	16:40		
16:40	16:55	Coffee Break	
Session 5	Chair: Prof. Aysel Atımtay		
Long Range Transport of Air Pollution			
17:00	17:20	Dr.Yeşer Aslanoğlu	Dust climatology of Turkey as a part of the Eastern Mediterranean Basin
17:20	17:40	Dr.Deniz Genç Tokgöz	Determining the Sensitivity of Widely Used HYSPLIT Model Inputs on Backward Trajectories
17:40	18:00		
CLOSING REMARKS of FIRST DAY			
19:30	DINNER		

WORKSHOP PROGRAMME

14 OCTOBER 2022

Start	End	Speaker	Title
08:00	08:30	BREAKFAST	
Session 6	Chair: Prof. Mete Tayanç		
09:00	10:00	3. <i>Keynote Speaker</i> Prof. Maria Kanakidou (Virtual)	Organics in the Air: Sources, Process and Impact on Biogeochemical Cycles
10:00	10:15	Coffee Break	
Session 7	Chair: Prof. Burcu Onat		
Physical and Chemical Characterization of Aerosols-II			
10:20	10:40	Assoc. Prof. Mustafa Koçak	The Possible Influence of Atmospheric Deposition on the Mucilage Events in the Sea of Marmara
10:40	11:00	Dr. Rosa Flores	Chemical Characterization of Highly Time Resolved Fine Particulate Matter in Istanbul
11:00	11:20	Gulden Ormanova	The first long-term monitoring and source apportionment of atmospheric particulate matter in Astana, Kazakhstan (2019-2022)
11:20	11:35	Coffee Break	
Session 8	Chair: Prof. Nikolaos Mihalopoulos		
Atmospheric Modelling Studies			
11:40	12:00	Prof. Dr. Alper Ünal	Air Quality Modelling Studies over Turkey
12:00	12:20	Dr. Martin Ramacher (Virtual)	The role of emission reductions and the meteorological situation for air quality improvements during the COVID-19 lockdown period in central Europe
12:20	12:40	Assoc.Prof. Burçak Kaynak Tezel	Inferring Emissions Using Satellite Retrievals
12:45	13:45	Coffee Break	
Session 9	Chair: Prof. Gülen Güllü		
Atmospheric Monitoring-I			
14:00	14:20	Dr. Dimitrios Kaskaoutis	Wood Burning as Source of Black and Brown Carbon at Greek Cities
14:20	14:40	Dr. Merve Özkaleli Akçetin	Investigation of Spatial Distribution of Mercury Pollution in Bursa Atmosphere
14:40	15:00	Prof. Perihan Kurt Karakuş	Detection of the Presence of Flame Retardant Chemicals within the Scope of the Stockholm Convention at Selected E-Waste Recycling Sites in Turkey
15:00	15:15	Coffee Break	
Session 10	Chair: Dr. Dimitrios Kaskaoutis		
Atmospheric Monitoring-II			
15:20	15:40	Prof. Zeynep Eren	The Statistical Investigation of Air Quality in Erzurum Urban Atmosphere on the Basis of Particle Matter (PM) and Sulfur Dioxide (SO ₂) Concentrations for Last 40 Years
15:40	16:00	Dr. Soulemane Halif Ngagine	Composition and Mixing State of Atmospheric Particles during Pollution Events in Urbanised and Industrialized Environments
16:00	16:20	Assoc.Prof. Güray Doğan	A Different Approach in PM10 Sampling: Preliminary Results
16:20	16:35	Coffee Break	
Session 11	Chair: Prof. Dr. Ülkü Alver Şahin		
Air Quality-1			
16:40	17:00	Prof. Mete Tayanç	Photochemical Air Pollution
17:00	17:20	Assoc. Prof. Sema Yurdakul	Investigation of emissions from the combustion of chicken manure in a fluidized bed boiler
17:20	17:40	Prof. Burcu Onat	Air Quality in Subway Systems
CLOSING REMARKS of SECOND DAY			
19:30	GALA DINNER		

WORKSHOP PROGRAMME

15 OCTOBER 2022

Start	End	Speaker	Title
08:00	08:30	BREAKFAST	
Session 12	Dr. Nikolaos Kalivitis		
Air Quality-2			
09:30	09:50	Prof. Gülen Güllü	Particle Size Distribution of Aerosols at Remote Site in Turkey
09:50	10:10	Prof. Ülkü Alver Şahin	Airborne Particulate Matter: Size, Number and Mass
10:10	10:30	Dr. İlker Balcılar	Dust Transport toward the Central Anatolia
10:30	10:45	Coffee Break	
Session 13	Assoc. Prof. Mustafa Koçak		
Source Apportionment of Air Pollution			
10:50	11:20	Dr. Eda Sağırılı	Wintertime Diurnal Variation of Chemical Composition of Aerosols in Düzce (Turkey)
11:20	11:40	Prof. Aysel Atımtay	Comparison of CO ₂ emissions in Turkey, Europe and the World on Different Basis
11:40	12:00	Dr. Ebru Koçak	Spatial-temporal Distribution of Air Pollution and Health Risk Assessment: A Case Study for Konya Atmosphere
CLOSING REMARKS of WORKSHOP			
13:00	LUNCH		

REGISTRATION



Registration fees cover symposium attendance, all provided documents and materials, lunches and gala dinner

Registration Fee: 1500 TL

More details and registration instructions can be found on the event homepage

<http://proje.ibu.edu.tr/atmoschem/>

ACCOMMODATION

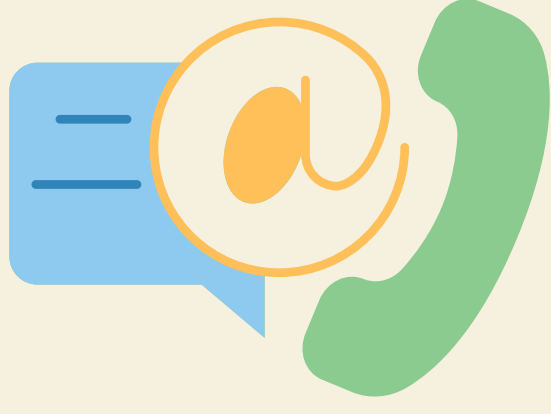


Bolu Abant İzzet Baysal University (BAİUBU) Guesthouse will be available during the workshop for the participants.

Please follow the link for detailed information and location of the BAIBU Guesthouse

<http://www.ibu.edu.tr/sosyal-tesis>

CONTACT INFORMATION



Workshop Chair

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Workshop Web Address

<http://proje.ibu.edu.tr/atmoschem/>