

ÇEVSAM BULLETIN

Environment and Human Health Application and Research Center

*The aim of Istanbul Aydın University **Environment and Human Health Application and Research Center** is to examine advanced and current developments in science and technology on Environment and Human Health, to conduct scientific research within the framework of international scientific cooperation; To increase the efficiency and quality of research, to cooperate with domestic and foreign application and research centers operating in related fields, to contribute to the development of graduate programs in related fields. The center was established in November 2015, and it is among the aims of the center to plan and organize joint studies on subjects of interest, and to organize conferences, workshops, seminars and scientific meetings.*

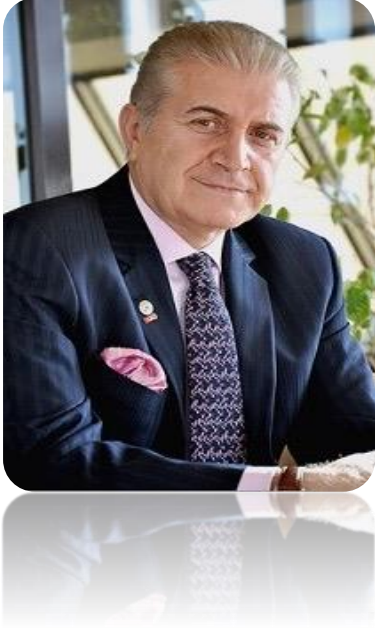


Issue 01, 2022

Content

Environment and Human Health Research and Appl. Center 1
President's Message 2
Message from the Vice-Chancellor and Director of the Center 2
COVID-19 Pandemic in Turkey and the World 3-7
Zero Waste Campus Study 8
Zero Waste Student Clubs Training 8
Sociological and Environmental Effects of Disasters 9
International Climate and Energy Forum 10-14
International Conference of Women Scientists and Climate Change 15-17
II. International Turkish Energy Union Congress 18-19
Fighting Addictions 20
Environment, Culture, Human Interaction in History 21
International Climate and Energy Symposium 22-27
Carbon Footprint Social Fingerprint Conference-Panel 28-31
Contact 32

The message of the President



The climate crisis, environmental pollution and the gradual disappearance of natural resources are the common problems of all humanity. For this reason, it should be our duty as the whole world humanity to address this problem and find a solution.

Environmental pollution should not be considered only as water pollution and air pollution. In addition to these, our soil is polluted, agricultural productivity decreases, famine occurs, our seas are polluted and a disaster such as mucilage occurs and seriously harms the living life in the seas. These are just a few examples. It is possible to list many disasters.

As can be seen, every environmental disaster brings with it very grave consequences for humanity. For this reason, we should create environmental awareness from a young age and act quickly to act individually and produce solutions.

What we should not forget is that nature is not a legacy to us, it is a trust that we will leave to future generations. For this reason, let's build the future from today and protect our nature and homeland.

Assoc. Prof. Mustafa AYDIN

Message from the Vice-Chancellor and Director of the Center

To examine advanced and current developments in science and technology on Environment and Human Health, to conduct scientific research within the framework of international scientific cooperation; We aim to increase the efficiency and quality of research, to cooperate with domestic and foreign application and research centers operating in related fields, and to organize scientific meetings.

Prof. Dr. Mehmet Resat BASAR



COVID-19 Pandemic in Turkey and the World –

Consequences of the Pandemic

“Social, Economic and Human Impacts of the COVID-19 Epidemic Process”

We held our international conference on 08 December 2021.



International Online Conference

Consequences of COVID-19 Pandemic in Turkey and the World

“Social, Economic, Human Consequences of COVID-19 Pandemic in Turkey and the World”



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Istanbul Aydın University,
(Turkey)



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Director of Africa Research Centre,
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Infectious Disease Specialist,
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Juan Agullo
Latin American Institute of
Economy, Society and Politics
ILAESP (Brazil)



8 Dec, 2021
14:00 Istanbul
11:00 London
12:00 Rome, Tunis
13:00 Amman, Athens



Webinar ID: **824 6775 2528**
Passcode: **4441428**



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COVID-19 Pandemic in Turkey and the World - Results of the Pandemic:

International Conference General Information

The possibility of contagious diseases emerging in one country to spread rapidly to another country increases with the phenomenon of globalization. The COVID-19 Pandemic, which is a concrete example of the increase in question; It is a "wide-scale public health crisis", which has negative effects on all aspects of life, affects every country and society in the world, first it causes an economic and then a social crisis with job losses, and whose negative effects will be felt by all countries of the world for years. Minimizing the economic, social and human impacts of the epidemic is only possible with "global solidarity".

Taking these developments into account and in order to provide the academic community and practitioners with the opportunity to discuss their knowledge on the subject in a scientific environment, to see different perspectives, and to mature their ideas, the "Turkey and The main theme of the panel titled "COVID-19 Pandemic in the World - Consequences of the Pandemic"; It has been determined as "Social, Economic and Human Effects of the COVID-19 Epidemic Process".

Within the scope of the international panel organized with the cooperation of Chinese Studies, Africa, Environment and Human Health themed application and research centers operating within the body of Istanbul Aydın University and the Eurasian Universities Association, it is aimed to "discuss different aspects of the subject in a scientific environment". In this context, on the theme of "Economic, Social and Human Effects of the COVID-19 Epidemic Process"; It is aimed to study the theoretical dimensions of the subject, the experiences in practice, the approaches of national and international actors to the subject from different perspectives.

With the participation of respected and expert names from Turkey and the world, this international event, moderated by , **Prof. Dr. Sedat AYBAR**, was attended by **our Chairman of the Board of Trustees, Assoc. Prof. Mustafa Aydın** honored us by attending with his closing speech.

Organizing Committee

COVID-19 Pandemic in Turkey and in the World - Results of the Pandemic Conference Press Release

‘THE EFFECTS OF THE COVID-19 PANDEMIC MAY BE LIKE 10 LOST YEARS!’

Speaking at the international conference "Social, Economic and Human Impacts of the COVID-19 Epidemic Process" organized by Istanbul Aydın University, Juan Agullo said that the effects of the pandemic, especially in Latin America, may resemble the "Lost 10 Years" process that raged Japan in the 90s.

EXAMPLES FROM LATIN AMERICA

In his presentation titled “COVID-19 and Inequality” at the online conference attended by experts from Turkey, Italy, Brazil, Jordan, Greece, North Macedonia and Tunisia, Agullo also shared some statistics on the effects of the pandemic on public health. Mentioning the political effects of the epidemic, Agullo gave examples from Colombia, Chile and Brazil, and examined the social and economic effects, and talked about growth, unemployment, inequality and macroeconomic imbalances. Agullo stated that the effects of the pandemic on health may cause problems at the deep-seated structural level, political effects may cause problems at the institutional level, and economic effects may cause similar problems to the 'External Debt Crisis'.

ITALY IMPACT

Sharing a documentary video about the course of the pandemic in Italy, Marina Ciampi, Deputy Dean of the Faculty of Political Sciences, Sociology and Communication at the Sapienza University of Rome, talked and commented about the management and organizational elements about the decisions on curfews and innovative and creative decisions inspired by the emergency situation. Evaluating the results of the pandemic crisis and the effects of these results on people in a sociological framework, Ciampi talked about the problems and the solutions to these problems.

Taking the floor after Ciampi, Rome Sapienza University Dean of Political Sciences, Sociology and Communication Faculty Tito Marci made some comments about the documentary shared by Ciampi. Marci commented, “Italy's response to the problem was to take a creative approach in the social, religious, artistic and academic fields. The documentary touched on how people react to emergencies. This situation can be a guide for other emergency methods that people can resort to in similar situations, possible consequences, problems and problems in the future.

COVID-19 Pandemic in Turkey and the World - Consequences of the Pandemic Conference Press Release

AL GANIDEH: “THE SERVICE SECTOR IS MOST AFFECTED”

In his presentation, Saeb Farhan Al Ganideh, a lecturer at Amman Zaytoonah University, made a presentation on the effects of COVID-19 on countries hosting asylum seekers, and talked about Jordan, Jordan's economy and the effects of the Covid-19 outbreak on the economy. Stating that the service sector is the sector most affected by the epidemic compared to other sectors, Al Ganideh talked about the decisions taken by the Jordanian government, such as closing the land and air borders, prohibiting the gathering of more than 10 people, and preparing quarantine centers to prepare for the increase in the number of cases. Al Ganideh, who listed the effects of the epidemic on other sectors during the presentation, also listed the possible effects of the epidemic on the people of Jordan.

Stating that the COVID-19 crisis is a twin crisis, including economic and health, Stavros D. Mavroudeas from the Department of Social Policies of Athens Panteion University mentioned in his presentation that these two crises aggravate the effects of each other and analyzed the causes of new epidemics that may occur later. Later, Agon Memeti from Tetova University, Faculty of Natural Sciences and Mathematics Department of Informatics, made a presentation titled "The Relationship Between Environmental Factors and Students' Behaviors towards Online Education During the Covid-19 Pandemic" and made a correlation analysis study. Explaining that the results of his study show that negative approaches to difficulties are caused by environmental factors, Memeti said, "Research findings showed that higher education institutions should also consider environmental factors during online education."



COVID-19 Pandemic in Turkey and the World - Consequences of the Pandemic Conference Press Release



ASSOC. PROF. MUSTAFA AYDIN: “CHANGE HAS ACCELERATED, WE CAN NOT IGNORE IT.”

Talking about the effects of the COVID-19 pandemic on Turkey in the program, Infectious Diseases Specialist from Istanbul Aydın University Faculty of Medicine VM Medical Park Florya Hospital. Instructor Member Esra Ergün Ali talked about the Ministry of Health's management of the pandemic and the measures taken day by day.

Making the closing speech of the program, Istanbul Aydın University Board of Trustees Chairman Assoc. Dr. Mustafa Aydın, on the other hand, underlined that the COVID-19 pandemic has accelerated the digital transformation that has begun. Assoc. Dr. Aydın said, “It is estimated that approximately 75 billion devices will communicate with each other by 2025. That's about 10 times the human population. According to the Future of Employment report of the World Economic Forum, automation developing with digital technologies directly concerns the business world and employees. In 2018, 71 percent of the effort to do a job came from people and 29 percent from machines. By 2022, the share of humans is expected to reach 58 percent, and the share of machines to 42 percent. Brand new job fields will be opened and new professions will be created. “The ignorance of these developments is likely to have serious consequences for businesses, societies and individuals, with rising income inequality, a growing skills gap, large job relocations and talent shortages.” The conference ended with a question and answer session.

Zero Waste Campus Study



In the Campus Zero Waste study carried out in cooperation with Istanbul Aydın University AKEV, Tekmer, Environment and Human Health Center, OHS and Quality Units, the feasibility study for the entire campus was completed in cooperation with the Environment and Human Health Center, OHS and Quality Units. Block B was chosen as the pilot building and sample application studies were completed in block B.

An informative training on Zero Waste was also given to all relevant club presidents by Environment and Human Health Center Deputy Director Sureyya KUMRU on 28.12.2021.

Sociological and Environmental Impact of Disasters

“Fire in the Context of Social and Environmental Effects”

We held our webinar on 02 March 2022.



**İSTANBUL AYDIN
ÜNİVERSİTESİ**



Afetlerin Sosyolojik ve Çevresel Etkileri

Sosyal ve Çevresel Etkiler Bağlamında Yangın



02 Mart 2022
14.00-16.00



Moderatör
Süreyya KUMRU

Çevre ve İnsan Sağlığı
Merkezi Müdür Yardımcısı



zoom

Meeting ID: 841 4145 6948
Passcode: 4441428



Gül Çelik Öztoran

İlk ve Acil Yardım
Öğretim Görevlisi



Serhat Yılmaz

Afet Araştırma ve Uygulama Merkezi
Proje Koordinatörü

International Climate and Energy Forum

We did it on March 11, 2022.



COP 26 GLASGOW SONRASI / AFTER COP 26 GLASGOW

ULUSLARARASI İKLİM VE ENERJİ FORUMU (INTERNATIONAL CLIMATE AND ENERGY FORUM)

OTURUM BAŞLIKLARI / SESSION TITLES

Açılış Oturumu / Opening Session (09.30 - 10.00)

Cop 26 ve İklim Değişimi ile Küresel Mücadele (ONLINE)
(Cop 26 and International ACTS for Climate Change)

Karbon Emisyon Limitleri ve Çevresel Riskler (ONLINE)
(Carbon Emission Limitations and Environmental Risk)

Finansal ve Teknolojik Yeterlilikler (ONLINE)
(Financial and Technological Capabilities)

Karbon Ekonomisi ve Yeşil Ticaret (ONLINE)
(Carbon Economy and Green Trade)

Türkiye'nin Yeşil Dönüşüm Hedefleri (ONLINE)
(Turkey's Green Targets)



11 MART 2022 / 11 MARCH 2022
09.30 - 17.30 (Turkish Zone)



Webinar ID: **827 3623 0155**
Passcode: **4441428**

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International Climate and Energy Forum

Press release

International Climate and Energy Forum-2022 hosted by Istanbul Aydın University (Environmental and Human Health and Energy Policy Research Centers) in partnership with TESPAM and ITU; It was held ON-LINE on March 11, 2022 with the support of Anadolu Education and Culture Foundation (AKEV), Yeşilvatan Platform, UNESCO Chair, and TESPAM Energy Club.

In the forum that continues all day long; Five different sessions were held under the titles of COP26 and Global Struggle with Climate Change, Carbon Emission Limits and Environmental Risks, Carbon Economy and Green Trade, Financial and Technological Competencies, and Turkey's Green Goals. The forum, attended by 29 different national and international speakers from universities and the private sector, working in valuable institutions of our state such as the Climate Change Presidency, TÜBİTAK MAM (Marmara Research Center); 300 national and international participants followed throughout the day.

OPINIONS OFFERED AT THE SESSIONS

Istanbul Aydın University Vice Rector Prof. Dr. In the opening session moderated by Mehmet Reşat Başar; prof. Dr. Zafer Aslan made the opening speech of the International Climate and Energy Forum and stated that “climate effects are already more widespread and severe than expected, the risk of climate change to face worse effects in the near term, these risks will grow faster with increasing high temperatures and cause irreversible effects. He focused on issues such as “what will happen”. He emphasized that inequality, conflict and development problems increase social vulnerabilities together with climate risk.

TESPAM President Oguzhan Akyener spoke as follows; *“Every day, we feel the negative effects of climate change a little more as the whole world. Maybe that's why; Today, regardless of the level of education, the number of people who believe that climate change is real and that something should be done to improve the negative process in this context is much more. In this process, where our Turkey is now a party to the Paris Agreement; As the whole world, it is necessary to draw lessons from the current failures and to put forward a consistent, fair, applicable and result-able calendar. At this stage, it is important to carry out relevant plans by taking into account the insufficient opportunities and capabilities of developing and undeveloped countries, despite the increasing energy hunger, along with cost-benefit analyzes at this realistic level, where each country prioritizes its own interests. In this case, it should be considered to reevaluate all long-term scenarios and, if necessary, to jointly finance technologies that can make a larger change in the overall picture. While doing this, it is very important to build a model in which the whole world can benefit from the relevant technologies on equal terms. With this perspective, TESPAM works to develop approaches and technologies that will set an example primarily for Turkey and then for the whole world, and to put forward reasonable suggestions with consistent, applicable and fair analyses.*

As a result, energy conversion is absolutely important for reducing carbon emissions within the scope of combating climate change. Only by constructing these transformation processes in a consistent way will success be achieved and the size of the damage will be minimized. Therefore, processes such as change and energy conversion; It is very important for the whole world that the experts of our country, who can understand both developed and undeveloped countries and are a bridge between cultures, develop new approaches.”

International Climate and Energy Forum

Press release

The Forum's COP26 Global Combating Climate Change session; Istanbul Technical University Lecturer Member Dr. Hüseyin Toros and IAU Lect. Member Dr. It was moderated by Zafer Aslan.

Istanbul Technical University Lecturer Member, NATO International Air Pollution Combat Technical Meetings Member, International Engineering Education Society Gn. Secretary and IPCC Interstate Panel on Climate Change Special Report 2007 Nobel Prize Winner Prof. Dr. Selahattin İncecik in his speech; He focused on the "Short-Life Climate Pollutants and Clean Air Coalition".

Cairo Lecturer who could not attend the meeting due to his excuse.His study presented by the moderator instead of Prof. Dr. Abdel Magdy Wahab; within the scope of 6 different study regions selected in Egypt, the subject of "The Characteristics of Effective Heat Waves in the Northern and Southern Mediterranean" was emphasized.

Having advanced research on regional modeling and climate scenarios, ITU Faculty of Aeronautics and Astronautics Department of Meteorology Engineering Inst. Member Prof. Dr. By Yurdanur Sunal; The findings obtained as a result of the research titled "Bio-climatic changes expected in the Marmara region and their impact on the Marmara Forests" were shared.

A specialist in applied mathematics and computational biology, Bhopal University, India, Inst. Member Mamta Agrawal; She shared her research findings on thermal factors and temperature effects within the scope of her presentation titled "The Effects of Climate on Human Health".

Who is the Economics Studies Coordinator of TESPAM and Inst. Member of Gebze Technical University Dr. Abdullah Altun in his presentation; He gave information about "international trade and economic growth, TESPAM, Turkey Energy Policies and Research Center studies".

Working as a Meteorology Specialist at Egypt Alexandria International Airport and a doctoral candidate, Mr. Rokaya Muhamed Hassan; Zeinab Salah presented the results of the research study they conducted jointly with M. M. Abdel Wahab and Sayed Robaa. Mr. Hassan shared the findings on "Observations based on Radiosonde data and evaluation of reanalyzed data in the Eastern Mediterranean Region".

Moderated by Prof. Dr. In the session titled "Carbon Emission Limits and Environmental Risks" by Levent Edge; prof. Dr. Levent Şaylan, Prof. Dr. Erginbay Uğurlu and Dr. Semion Polinov gave a speech. In his speeches; The dangers of carbon emissions were mentioned and they conveyed their views on the rules and limits to be followed for this threat, and the damages and risks this danger will cause to the environment.

International Climate and Energy Forum

Press release



As a result, it was considered appropriate to make the following proposals:

1. Determining and increasing the amount of carbon stock held in the soil; 2. Dissemination of sustainable farming techniques, including mitigation and adaptation; 3. Increasing the efficiency of soil management; 4. Increasing the efficiency of rangeland management; 5. Determination and increase of aboveground and underground biomass, 6. Determination of potential greenhouse gas emissions limitation in agriculture sector; 7. Reducing the rate of increase in greenhouse gas emissions from crop and animal production; 8. Establishing the information infrastructure that will meet the needs of the agricultural sector in adaptation and fight against climate change.

The Carbon Economy and Green Trade Panel in Istanbul Aydın University moderated by its member Filiz Katman; Istanbul Technical University Lect. Member Prof. Dr. Sevinç Asilhan Sırdaş gave information about the historical course of climate change and drew a general framework about the current effects. Transferring the reports and initiatives on climate change, Prof. Dr. Sırdaş provided enlightening information about the point reached in the process.

International Climate and Energy Forum Press Release

Drawing attention to the high cost of extreme airlines, whose density and frequency have increased with climate change, Prof. Dr. Sirdas emphasized the importance and urgency of the steps to be taken in this regard. From Istanbul Aydın University, Dr. Lect. Member Musa Keskin clarified the concepts of sustainable development, green economy, green trade and circular economy. Especially in the historical process, the emergence of these concepts and their effects on the process, Dr. Lect. Prof. Keskin gave information about the operation of the process by revealing the details of the “cycle economy model”.

From Istanbul Aydın University, Dr. Aslı Çagatay also made a horizon tour about Turkey's performance on international trade and climate change policies. Transferring Turkey's climate change policies chronologically, Dr. Çagatay has explained the steps taken in the process. From this point of view, she revealed Turkey's strengths and weaknesses and explained the mainstays of the current process. Also conveying the opportunities and threats in front of Turkey, Dr. Çagatay presented an evaluation covering all dimensions of the process in question.

In the session titled "Turkey's Green Transformation Goals" moderated by Neşat Gündoğdu; Istanbul Aydın University Lect. Member Alpay Akgüç shared the following information within the framework of "Turkey's Building Energy Efficiency Policies".

“After the oil crisis in the world in 1973, countries started to develop new methods and policies in this direction for the efficient use of energy by consuming less resources.

Considering the distribution of the total final consumption of energy resources across the world by sectors, it is striking that buildings are at the forefront; Therefore, all states need to develop serious targets and policies to reduce CO2 emissions from buildings by increasing energy performance in buildings.

According to data from the International Energy Agency (IEA), fossil fuels dominate the energy supply in Turkey, with coal, oil and natural gas roughly equal and accounting for 73% of total final consumption (TFC) in 2018. In addition, when we look at the use of energy consumption in the housing sector in Turkey in 2018, it is noteworthy that the heating of buildings and domestic hot water production constitute 70% of the total energy consumption of the buildings.

Turkey; Since 1985, it has been developing various standards and regulations by implementing policies for efficient use of energy in buildings, preventing waste, reducing the burden of energy costs on the economy and protecting the environment. When these policies carried out in Turkey are evaluated; In order for Turkey to reduce its dependence on coal and natural gas resources in a planned and gradual manner, it is necessary to increase its investments in renewable energy technologies and to increase government incentives in this direction.

In addition, thanks to the Energy Performance Regulation in Buildings (BEP-tr) and the Green Certificate Regulation for Buildings and Settlements (YES-tr), energy efficient, environmentally friendly building and settlement practices are made widespread, making a great contribution to the strengthening of Turkey's economy, while it turns out that it is important to update the calculation methodology for today's conditions by including the cooling and ventilation needs of TS825 Thermal Insulation in Buildings in the standard of the Rules.”

YouTube Link: <https://www.youtube.com/watch?v=eJeKxwZYNMY>

*International Conference of Women Scientists and Climate
ChangeCreated on March 24, 2022.*



**ULUSLARARASI KONFERANS: CİNSİYET EYLEMİ
VE İKLİM DEĞİŞİMİ (IGGC2022)**

24 MART 2022 - ÇEVİRİMİÇİ

İstanbul Aydın Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü

<http://igcc2022.aydin.edu.tr>

International Conference of Women Scientists and Climate Change



International Conference on Women Scientists and Climate Change Press Release

International “Women Scientists and Climate Change Conference” was held online on March 24, 2022, hosted by IAU Faculty of Engineering, Department of Computer Engineering.

The conference was hosted by Istanbul Aydın University in cooperation with Istanbul Aydın University Women in Science Organization for the Developing World (OWSD, Italy), Istanbul Technical University, Eurasian Universities Association (EURAS). This scientific meeting was organized with the contributions of UNESCO, OWSD Turkey Executive Board, IAU Center for Environment and Human Health, IAU Energy Policies Applied Research Center (EPPAM), IAU UNESCO Education and Sustainability Peace Chair and Green Homeland Platform.

The opening speeches were made by IAU Vice-Chancellor and Conference Co-Chair Prof. Dr. Zafer Aslan, OWSD Coordinator and Conference Co-Chair Dr. Tonya BLOWERS, General Manager of Meteorology, Ministry of Environment, Climate and Urban Planning, Mr. Volkan Mutlu COŞKUN, Head of the Climate and Agricultural Meteorology Department, Mr. Hikmet EROĞLU, Rector of IAU Prof. Dr. Yadigar İzmirli and OWSD President Prof. Dr. Jennifer THOMSON performed. The conference was attended by Istanbul Aydın University Board of Trustees Chairman Assoc. Dr. It started with Mustafa AYDIN's best wishes messages.

The conference, which took place in three sessions, focused on climate change, gender equality, clean water and disinfection, which are among the United Nations Strategic Sustainable Development Goals. The role of climate change on human health, drought, agriculture, energy policies, security, deep learning-modelling, bio-diversity, erosion, ecosystem adaptation, carbon footprint, water and waste management, soil protection were discussed.

The first two sessions of the conference were attended by ITU Meteorological Engineering Department Head Prof. Dr. Mikdat KADIOĞLU and Samsun University Meteorology Engineering Department Head Assoc. Dr. Meral DEMİRTAŞ. It was held with the co-chairmanship. In the sessions where 19 different and original research findings from 13 countries were discussed and 13 international and 6 national invited speakers participated, the importance of raising awareness about protecting our world was emphasized.

Third session chaired by OWSD President Prof. Dr. Jennifer THOMSON and general coordinator Dr. Tonya BLOWERS. In this session, the Director of the ELSEVIER Foundation, an international publishing organization, Mr. Ylann SCHEMM and six young academics awarded by the jury focused on their research on climate change and its applications. The meeting was ended with the wishes of holding this scientific event, hosted by Istanbul Aydın University – OWSD, in cooperation with the relevant institutions, on the World Meteorology Day and/or Week every year, (<https://igcc2022.aydin.edu.tr/program/>).

YouTube Linki: <https://www.youtube.com/watch?v=8Qm2Qf4FUWw>

We participated on 28-30 March 2022 to the International Turkish Energy Union Congress II

About Congress:

Energy is undoubtedly one of the countries' growth targets from climate change combat programs to foreign trade, it is among the most important agenda items from volumes to security policies. For the Turkic world and independent Turkish states (which have great potential in terms of many resources such as oil, natural gas and uranium), which are now taking common steps towards becoming an international union, rather than being an interstate cooperation council; It is the most important lever and key of the relevant integration processes. In line with these determinations and vision, TESPAM has carried out many different studies. In addition to TEBAM (Turkish Energy Union Research Center), databases, publications and long-term projections established within TESPAM, the "TURKISH ENERGY UNION CONGRESS", which was held for the first time in March 2021, is a few of them.

The "TURKISH ENERGY UNION CONGRESS", which is the first in the literature, was successfully implemented between 29 - 31 March 2021, under the leadership of TESPAM and in partnership with Ahmet Yesevi University. In the congress held in this context; All opportunities such as energy resources, general sectoral dynamics, renewable energy potentials, energy technologies integration, investment opportunities, main problems in the field of cooperation and road plan suggestions.

Many academicians, opinion leaders from 20 different countries took part in the congress where the possibilities were discussed. During the congress, more than 40 sessions were held in which more than 200 articles were accepted, and the "Turkish Energy Union" approach was evaluated with all its dimensions for 3 days.

The Second "TURKISH ENERGY UNION CONGRESS" was organized by TESPAM and TDPV (Turkish World Parliamentary Foundation) between 28 – 30 March 2022.

Within TEBK, which aims to trigger more concrete cooperation processes with its new format;

– Within the first 2 days program; energy integration, opportunities, current situation, technical and technological capabilities,

Many aspects such as reserves, economic, legal and financial infrastructure have been analyzed in all aspects.

– On the 3rd day of the program, those who made a request from all Turkish countries and registered in our system Companies were brought together in special B2B meetings.

With TEBK, the past and present of energy in the Turkish world were defined from all different perspectives such as academic, technical, technological, economic, financial, legal, logistics, political, security, social, and its future was designed and the integration processes between the business world were strengthened with concrete steps.

In addition, special sessions will be organized to support our country's foreign policy within the congress, as well as online; With databases such as human resources, companies/institutions, investment opportunities, projects, energy resources and facilities, financial opportunities/funds, cooperation processes have gained a much more professional level.

Resource: <https://www.tespam.org/turk-enerji-birligi-kongre-2022-hakkimizda/>

International Congress of Turkish Energy Association II

International Congress of Turkish Energy Association II International Congress of Turkish Energy Association II, representing Istanbul Aydın University Environment and Human Health Center at the session titled "Energy, Water, Environment and Waste Management" held on March 29, 2022, Deputy Director of the Center Süreyya Kumru "An Overview of the Use of Machine Learning Methods in Air Pollution Forecasting" participated in a presentation entitled.

Air pollution



- Air pollution occurs when the foreign substances in the air that negatively affect the life and health of living things or reach a higher amount and density than they should be.
- Air pollution has an increasing importance with the increasing population, urbanization and the development of industry.
- Air pollution can be caused by human-induced traffic, heating and industry, or it can be of natural origin such as desert dust, pollen, dust caused by wind, volcanic activities and forest fires.
- The most important parameters of air pollutants are Particulate Matter (PM), Sulfur dioxide (SO₂), Carbon monoxide (CO), Carbon dioxide (CO₂), Ozone (O₃), Nitrogen oxides (NO_x) and Hydrocarbons (HC).
- Even inhalation of very low concentrations of these parameters negatively affects the life of living things. In order to prevent the air pollution caused by these parameters, it is necessary to measure the air quality parameters that constitute the pollution at certain times from the points that will represent that region and take the necessary measures according to these measured results.



- The values of the parameters to be measured were determined as a result of national and international evaluations. It is necessary to keep the desired results from these measurements below a certain level with new technologies and to make healthy predictions for the future.
- Objective and more sensitive results for air pollution have been obtained with machine learning, one of today's Artificial Intelligence technologies.

Fighting Addictions "If It Was Me"

We participated in the workshop on 04-05 April 2022.

On April 04, 2022, Monday, at 11:00, the workshop started under the chairmanship of Küçükçekmece District Governor, Mr. Turan BEDIRHANOĞLU. All stakeholder institutions (K.çekmece Municipality, District Police Department, District Ministry of Family, District Green Crescent Branch, District National Education, District University and schools) participated in the workshop organized under the chairmanship of K.çekmece District Health Directorate. Road maps have been determined for the studies to be done in the district regarding addiction and reporting studies are continuing.



Environment, Culture, Human Interaction in History and Its Reflections to Today titled webinar held on May 16, 2022.



İSTANBUL AYDIN
ÜNİVERSİTESİ



Tarihte Çevre, Kültür, İnsan Etkileşimi ve Günümüze Yansımaları

Moderatör
Süreyya KUMRU

Konuşmacı
DR. ŞENİZ ATİK
İAÜ Mimarlık Fakültesi

16.05.2022

13:00-14:30

Webinar ID: 873 3728 0387
Passcode: 4441428



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Passcode: 4441428

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Global Climate Change, Environment and Energy III. We held the International Symposium as Hybrid on 01 June 2022.



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EPPAM
ENERJİ POLİTİKALARI VE PİYASALARI
UYGULAMA VE ARAŞTIRMA MERKEZİ



İTÜ



KÜRESEL İKLİM DEĞİŞİKLİĞİ, ÇEVRE VE ENERJİ III. ULUSLARARASI SEMPOZYUMU (HİBRİT)

KARBON AYAK İZİ: FARKINDALIK & HAREKETE GEÇME

COP 26 GLASGOW Sonrası Düşük Karbon Ekonomisi Yönetimi ve Uygulamalarına Genel Bakış

BİLDİRİ ÇAĞRISI

Sempozyum Bildiri Özeti Teslim Tarihi: 1 Mayıs 2022

Sempozyuma Kabul Edilen Bildirilerin İlan Tarihi: 15 Mayıs 2022

(Kabul bilgisi, tebliğ özeti gönderen katılımcılara e-posta aracılığıyla bildirilecektir)

Sempozyum Tarihi: 1 Haziran 2022

Sempozyum Bildiri Tam Metin Teslim Tarihi: 1 Temmuz 2022



T Blok MOR SALON

İstanbul Aydın Üniversitesi Halit Aydın Florya Yerleşkesi
İnönü Cad., No: 38, Sefaköy - Küçükçekmece
İstanbul TÜRKİYE



Toplantı Kimliği: **856 2754 4440**

Parola: **4441428**

Sempozyum başvuru adresi: <https://ces2022.aydin.edu.tr/>

SEMPOZYUM HİBRİT OLARAK GERÇEKLEŞTİRİLECEKTİR



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GLOBAL CLIMATE CHANGE, ENVIRONMENT AND ENERGYINTERNATIONAL SYMPOSIUM III.

CARBON FOOTPRINT: AWARENESS AND ACTION

Overview of Low Carbon Economy Management and Practices After COP26

GLASGOW

As Istanbul Aydın University Energy Policies and Markets Application and Research Center (EPPAM) and Environment and Human Health Application and Research Center, to work in the field of energy and environmental policies in order to contribute to the creation and development of energy and environmental policies in Turkey by making use of international experiences and developments, to follow the work done; We aim to work for the formation and maintenance of energy policies that evaluate the country's resources depending on the changing and developing conditions, and to contribute to the national and international accumulation in this field by training experts in this field. Accordingly, as EPPAM and Environment and Human Health Application and Research Center, the Turkish Energy Policies and Strategies Research Center (TESPAM) aims to contribute to the creation and development of awareness and mobilization about global climate change, environment and energy carbon footprint.), Istanbul Technical University (ITU), Anatolian Culture Education Foundation (AKEV), Global Peace and Democracy Application and Research Center (GLOBDEM) organized an international symposium on 01 June 2022 focusing on global climate change, environment and energy issues. Global climate change and its carbon footprint have been examined with a multifaceted approach and the interdependence relationship between them has been revealed, thus an important step has been taken in fulfilling our responsibility towards the society of which we are a part.

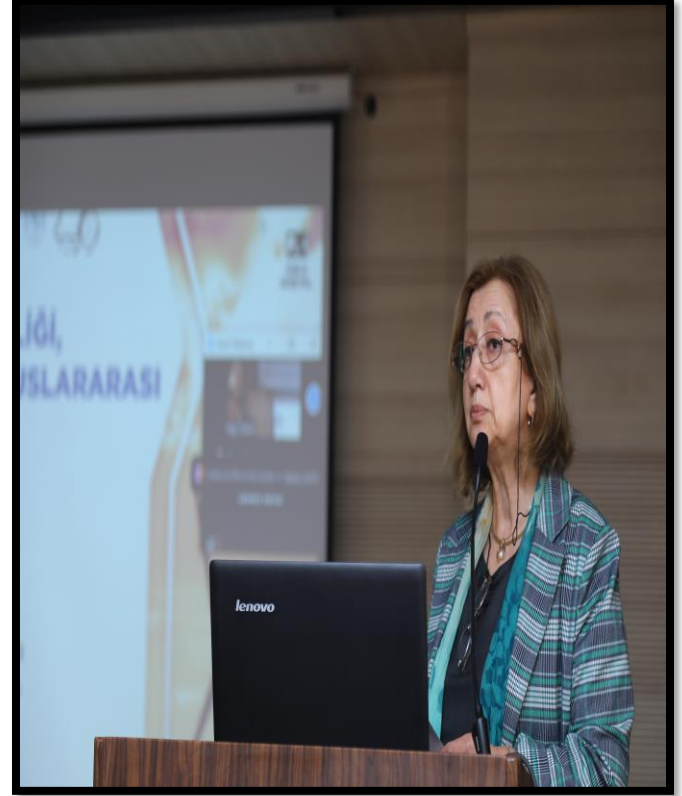
Global Climate Change, Environment and Energy III. International Symposium

Opening Speeches

. Filiz Katman - EPPAM Manager



*Istanbul Aydın University Vice Rector,
Environment, Human Health Center Manager*



Istanbul Aydın University Vice Rector

International Symposium on Global Climate Change, Environment and Energy III.

Keynote Speeches



Tespam President-Oğuzhan Akyener

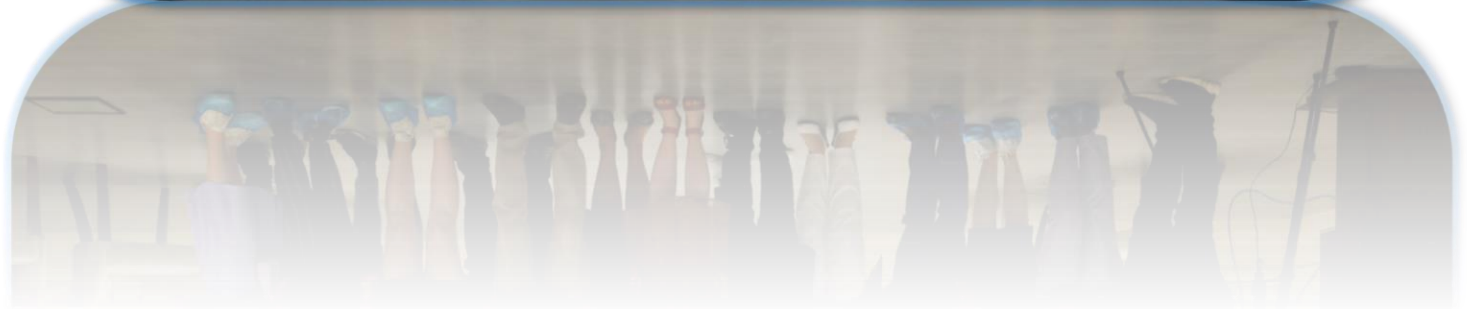


University of Health Sciences /

Head of CBRN Department

Prof. Dr. Levent Kenar

International Symposium on Global Climate Change, Environment and Energy III.



International Symposium on Global Climate Change, Environment and Energy III.



We held the Sustainability Conference and Panel from Carbon Footprint to Social Fingerprint on 02 June 2022 with high level participation..



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KURUMSAL YÖNETİM VE
SÜRDÜRÜLEBİLİRLİK UYGULAMA
VE ARAŞTIRMA MERKEZİ

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Çevre ve İnsan Sağlığı Merkezi

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İSTANBUL AYDIN ÜNİVERSİTESİ
TEKNOLOJİ GELİŞTİRME MERKEZİ

Çevresel ve Sosyal Sürdürülebilirlik Çalıştayı

02 HAZİRAN PERŞEMBE 10.00 - 12.00
D Blok - Turuncu Salon

KARBON AYAK İZİNDEN SOSYAL PARMAK İZİNE SÜRDÜRÜLEBİLİRLİK KONFERANSI VE PANELİ

“Çevresel ve Sosyal Perspektiften
Sürdürülebilirlik Uygulamaları”

02 HAZİRAN PERŞEMBE 13.30 - 17.00
A Blok Konferans Salonu

İLETİŞİM:

İAÜ KURUMSAL YÖNETİM VE SÜRDÜRÜLEBİLİRLİK UYGAR MERKEZİ &
İAÜ ÇEVRE VE İNSAN SAĞLIĞI UYGAR MERKEZİ
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Sustainability from Carbon Footprint to Social Fingerprint

Conference and Panel

SUSTAINABILITY FROM CARBON FOOTPRINT TO SOCIAL FINGERPRINT CONFERENCE, which was held on 02 June 2022 with the theme of "Sustainability Practices from an Environmental and Social Perspective" under the Presidency of KURSAM and in cooperation with Istanbul Aydın University Environment and Human Health Center, with the valuable participation of Ms. Mümine Elif Aydın, Vice President of AKEV, the founding foundation of our university and the opening speech of our Vice-Chancellor, Mehmet Reşat Başar.



Sustainability from Carbon Footprint to Social Fingerprint

Conference and Panel

In addition to the "carbon footprint", which is indispensable for a more livable environmental sustainability, the subject of "social fingerprint", which is of great importance in terms of social sustainability, was discussed for the first time in the academic world within the framework of the Conference and Panel held at our University.

In the Workshop held in the morning session, the papers in the field of "Environmental and Social Sustainability" were presented and evaluated, and in the Panel held after the opening speeches of the Conference in the afternoon, related issues were successfully carried out with the participation of business world and academics. The Conference was shared with the public through 3 separate live broadcasts from a TV channel.

In addition, the "Contribution to Environmental and Social Sustainability Awards" were given to the Global Compact Turkey, CDP Turkey and Habitat Association, which raise awareness with their work in these fields.



Sustainability from Carbon Footprint to Social Fingerprint
Conference and Panel





İSTANBUL AYDIN ÜNİVERSİTESİ

ÇEVRSAM

Çevre ve İnsan Sağlığı Merkezi



We can only heal and beautify our world by acting together with the One Medicine - One Health - One World Approach and involving all relevant stakeholders in the process.

Süreyya KUMRU

**Environment and Human Health Center
Assistant Manager**

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