

International TÜBA Academy Awards



Conducted under the auspices of the T. R. Presidency; International TÜBA Academy Awards found their owners. The International TÜBA Academy Awards, together with the TÜBA-GEBİP (Outstanding Young Scientist) and TESEP Awards (Scientific Copyright Work) , announced by the Academy recently, will be held at the TÜBA-TÜBİTAK Science Awards Ceremony to be held at the Presidential Complex on December 28, 2022. It will be presented to the winners by President Recep Tayyip Erdoğan at the Science Awards Ceremony.

Reminding that the International TÜBA Academy Awards were established for the first time in 2015, TÜBA President Prof. Dr. Muzaffer Şeker said that the attention received by the Award program is honorable. President Şeker continued as follows: "The International TÜBA Academy Awards were initiated to contribute to the international representation and recognition of the Turkish scientific community through the encouragement and rewarding of scientists whose contributions to science are appreciated all over the world. In the program, in which we have

been meticulously focused on all stages since its inception, each year, one of the awards is given alternately between three categories to scientists who are citizens of the Republic of Türkiye or who have related studies related to Türkiye. In this way, the Türkiye-related award continues alternately between the three categories. This year, Turkey-related award was given to Prof. Dr. Joseph Wang. Şeker said "I think that Wang's award is also important in terms of declaring 2022 as the International Year of Basic Sciences for SUsustainable Development by the United Nations."

Prof. Şeker underlined that science is important for everyone and said, "Scientists continue to illuminate our future with their studies. I would like to express my gratitude to every scientist who works day and night all over the world for this great effort put forward for the sake of science, humanity and the future of the world." said.

International TÜBA Academy Awards: The Academy Medal consists of approximately 30,000 US dollars and is given to scientists who have

distinguished themselves with their "original, pioneering and groundbreaking" studies.

International TÜBA Academy Awards

As part of TÜBA's mission to encourage and appreciate scientists, a total of three scientists were awarded in three categories: Social and Human Sciences, Health and Life Sciences, and Science and Engineering Sciences, for the 2022 'TÜBA International Academy Awards'. The awards are established and open to all scientists in the world.

The International TÜBA Academy Awards are given by the TÜBA Academy Council based on the recommendations of domestic and foreign referees and evaluations conducted by the field committees.

In the category of Science and Engineering Sciences;

2022 TÜBA International Academy Award was given to University of California, San Diego (UCSD) Nanoengineering Department Lecturer and Wearable Sensors Center (UCSD) Director Prof. Dr. Joseph Wang for his original, pioneering, and



groundbreaking research in basic and engineering sciences, and for his research and inventions that have a powerful and widespread impact worldwide on biosensors, nanobioelectronics, wearable sensors, micro-robotics, and nanomotors, pushing the boundaries of healthcare systems.

In the Social and Human Sciences category; 2022 TÜBA Academy Award was given to, Hebrew University of Jerusalem Lecturer Prof. Dr. Amnon Cohen; his original, pioneering and epoch-making works on Palestine and Jerusalem in the classical period of the Ottoman Empire, based on authentic sources (Tahrir Registers and Jerusalem Court Records). He was favored especially for the connection it established between the Jerusalem-centered view of local history and society and the general approach to Ottoman history and society, as well as for expanding the perspective of Ottoman historical studies beyond Istanbul, Anatolia and the Balkans.

In the category of Health and Life Sciences; 2022 International TÜBA Academy Award was given to Nanyang Technological University Lee Kong Chian Faculty of Medicine Dean Prof. Dr. Joseph Jao-Yiu Sung; *Helicobacter pylori*, for the first time, was associated with short-term occurrence of gastric ulcers. He demonstrated that this condition can be treated with the use of antibiotics, and peptic ulcer bleeding can be treated endoscopically. As a scientist, he pioneered the notion that treatment could be achieved without the need for

surgery. His unique, pioneering, and groundbreaking treatment approaches earned him favor and recognition.

Prof. Dr. Joseph Wang; he is a professor of Nanoengineering at the University of California, San Diego (UCSD) and Director of the Center for Wearable Sensors (UCSD). He was the editor-in-chief of the *Journal of Electroanalysis* (Wiley-VCH), of which he was the founder, for 30 years. With his main research area of nanobioelectronics and nanorobotics, he has made important pioneering contributions to the development of many different application areas such as nanomotors, nanorobotics and nanoactuators, nano-scale barcodes, nanomedicine, wearable body sensors and biofuel cells, bionanomaterials, glucose biosensors. Dr. Wang has over 1200 research articles published in international indexed journals and according to Google Scholar, the h-index is 187 (140,000 citations), and according to Web of Science, the h-index is 152 (100,000 citations). Prof. Wang has supervised 40 PhD students, over 350 researchers and visiting students so far. His successful work has led him to win awards from many different countries. Since 1990s, a total of 12 scientists, nine of whom are post-doctoral researchers and three of whom are doctoral students, from Türkiye, involved in various research projects under the mentorship of Wang and brought the developments in these fields to our country. Prof. Wang was awarded the TÜBA Science Award in 2022 for his original, pioneering and groundbreaking research in basic and engineering sciences due to inventions that have strong and widespread worldwide impact on biosensors, nanobioelectronics, wearable sensors, micro-robotics and nanomotors that push the boundaries of health systems.

Prof. Dr. Amnon Cohen; he was born in 1936 in Tel-Aviv, Israel. Having completed his undergraduate, graduate and doctoral studies at the Hebrew University of Israel. He served as the head of the department and also served as

the director of the Truman Institute, which was established in 1965 with the aim of promoting peace between Israel's Arab and Jewish communities. He has been a visiting scholar at the world's leading universities in Middle East studies such as York University, Princeton University, and Oxford University; He gave lectures, participated in joint working groups, seminars and conferences. CIEPO (Comité), which has created an effective discussion and sharing platform with international symposiums on pre-Ottoman and Ottoman period research. He was on the board of International des studies pré-ottomanes et ottomanes) He was elected as an Honorary Member of the Turkish Historical Society in 2013. Prof. Cohen conducts his studies on Ottoman and Middle Eastern history in general, and on the history of Palestine and Jerusalem in particular.

Prof. Dr. Joseph Jao-Yiu Sung; he was born in 1959 in Hong Kong. He completed his medical and surgical specialization at the University of Hong Kong. He received his PhD from the University of Calgary, Canada in 1992. He earned his doctorate of medicine from the University of Hong Kong. Prof. Sung established the "Colorectal Cancer Asia Pacific Working Group" and developed guidelines for prevention and screening for colorectal cancers. His original scientific researches on early diagnosis, screening and prevention on colorectal cancers, and clinical studies directed to prevent gastric cancer by eliminating helicobacter infection, brought him many awards from different countries and societies, including the USA, Germany and the World Gastroenterology organization. Prof. Sung has over 1700 scientific articles, over 15 book editors and 9 patents. He is currently the Dean and faculty member of the Lee Kong Chian School of Medicine at Technological University, in Nanyang Singapore.

TÜBA 59. General Assembly



Academy's 59. General Assembly took place in Ankara.

During the General Assembly, TÜBA President Prof. Dr. Muzaffer Şeker delivered a brief welcoming speech, starting by welcoming Prof. Dr. Joseph Wang, a faculty member of the Department of Nanoengineering and Director of the Wearable Sensors Center at the University of California, San Diego (UCSD), Prof. Dr. Amnon Cohen from the Hebrew University of Jerusalem in Israel, and Prof. Dr. Joseph Jao-Yiu Sung, the Dean of Lee Kong Chian School of Medicine at Nanyang Technological University.

TÜBA supported 610 young academicians so far in the scope of GEBİP.

President Şeker stated that the participation of foreign scientists in the TÜBA and TÜBİTAK Science Awards Ceremony after COVID-19 is an indication of the progress towards normalization. He emphasized that the year 2022 witnessed a high level of scientific activities and

was recorded as a productive year for academies and scientists.

President Şeker highlighted the numerous activities, reports, and book projects carried out by TÜBA's Working Groups, as well as the support provided to



scientists through the GEBİP and TESEP awards. He mentioned that so far, 610 young academics have been supported within the scope of TÜBA GEBİP. Young academics contribute to the development of Türkiye, the improvement of higher education quality, the successful execution of academic research, and the training of new academicians. President Şeker expressed his gratitude to all those who contributed to these efforts.

TÜBA member Prof. Dr. Aziz Sancar specifically emphasizes the collaboration with Uzbekistan.

In the General Assembly, TÜBA President Prof. Dr. Muzaffer Şeker and TÜBA Full Member, TÜBİTAK President Prof. Dr. Hasan Mandal also signed the Uzbekistan Aziz Sancar Scholarship Program Protocol. According to the protocol, a maximum of 8 Uzbek researchers per year will be supported through the TÜBA-TÜBİTAK Uzbekistan Aziz Sancar Scholarship Program for their research during and after their doctoral studies in Türkiye.

TÜBA President Prof. Dr. Muzaffer Şeker stated that following Prof. Sancar's visits to Uzbekistan, there was a request from the Academy to provide support to young people in Uzbekistan. He said, "Our mentor specifically expressed this request to Prof. Mandal and me. In line with this request, we have completed our work and are finally announcing our doctoral and post-doctoral programs. On this occasion, I would like to express my gratitude to our mentor for his

foresight and gratitude, and also to the President of TÜBİTAK.” TÜBİTAK President Prof. Mandal mentioned that he has been in constant consultation with Prof. Sancar regarding potential collaborations in Uzbekistan, especially in terms of increasing cooperation with young scientists. He also stated that the program, which will be implemented for the first time in Uzbekistan, will be supervised by TÜBA members as advisors for the scholarship recipients of TÜBİTAK.

The program, prepared to promote doctoral and advanced scientific and technological collaboration between Türkiye and Uzbekistan, bears the name of TÜBA Member and Nobel laureate scientist Prof. Dr. Aziz Sancar. The program supports research in various fields during and after the doctoral studies, including basic sciences such as biology, physics, chemistry, mathematics, molecular biology, and genetics, as well as engineering sciences, astronomy, earth and space sciences, information technologies, and agricultural sciences, including agriculture, food, animal husbandry, veterinary medicine. In the field of social sciences, the program supports research in international relations, political history, and educational sciences.

Academy Conference by Prof. Wang and Prof. Demirköz

The recipient of the 2022 TÜBA Academy Award, Prof. Dr. Joseph Wang, delivered a presentation titled “Wearable Electrochemical Sensors for Healthcare, Wellness, Nutrition, and Aging” during the General Assembly. Additionally, TÜBA Principal Member Prof. Dr. Bilge Demirköz presented “From Big Data to Scientific Wisdom” at the General Assembly session. Following these presentations, Academy President Şeker gave his speech during the General Assembly session.

Presentation of certificates at the 59th General Assembly of TÜBA

In 2021, honorary membership certificates were presented to Prof. Jamil Ragep, who was elected as an Honorary Member in 2019 and was a recipient of the 2019 TÜBA Academy Award, as well as to the recipients of the 2020 TÜBA Academy Awards: Prof. Dr. Wael B. Hallaq, Prof. Dr. Okyay Kaynak, and Prof. Dr. Erik Jeppesen. Additionally, the newly elected Honorary Members for 2022, Prof. Dr. Ali Müfit Bahadır, Prof. Dr. Jeffry David Sachs, Prof. Dr. Messoud Ashina, Prof. Dr. Nazmi Volkan Adsay,

and Prof. Dr. Esin Kahya, who attended the General Assembly, were presented with their membership certificates.

Dr. While Prof. Dr. Fatih Mehmet Uçkun, who was elected as a Full Member in 2021 and was a recipient of the 2019 TÜBA Academy Award, could not attend, a Full Membership certificate was presented to Prof. Dr. Orhan Aydın. Furthermore, certificates were also presented to the recipients of the 2022 GEBİP and TESEP Awards. The General Assembly concluded after the expression of wishes and aspirations.



The 2023 TÜBA - TEKNOFEST Doctoral Science Awards Winners Have Been Announced



The awards were presented by President Recep Tayyip Erdoğan at TEKNOFEST, Türkiye's largest Aviation, Space, and Technology Festival, which also involved the participation of TÜBA.

The award program, established to promote, support, and honor outstanding doctoral theses that stand out to increase qualified human resources in all fields, found its recipients for the third time.

The winners of the TÜBA TEKNOFEST Doctoral Science Award program were Dr. Tuğçe Bilen in the field of Natural

and Engineering Sciences, Dr. Sümeyye Ulaş in the field of Social and Humanities Sciences, and Dr. Duygu Yılmaz Usta in the field of Health and Life Sciences. President Recep Tayyip Erdoğan presented the awards to them.

Dr. Osman Gazi Güçlütürk, who ranked second in the field of Social and Humanities Sciences, was unable to attend the ceremony. In the field of Natural and Engineering Sciences, Furkan Özdemir received the second-place award, and Dr. İlhan Fırat Kılınçer

received the third-place award. In the field of Social and Humanities Sciences, Dr. Hatice Oğuz Özgür received the third-place award. In the field of Health and Life Sciences, Dr. Aslıhan Arslan received the second-place award, and Dr. Emre Özgenç received the third-place award. The award certificates were presented to these scientists, along with the first-place award winners, by Minister of Industry and Technology Mustafa Varank and President of TÜBA Prof. Dr. Muzaffer Şeker.

TÜBA Workshop on Clean Production, Green Pact, and Sustainable Waste Management

The "Clean Production, Green Pact, and Sustainable Waste Management Workshop" organized by TÜBA Environment, Biodiversity, and Climate Change Working Group was held at Dedeman Konya Hotel and lasted for 2 days.

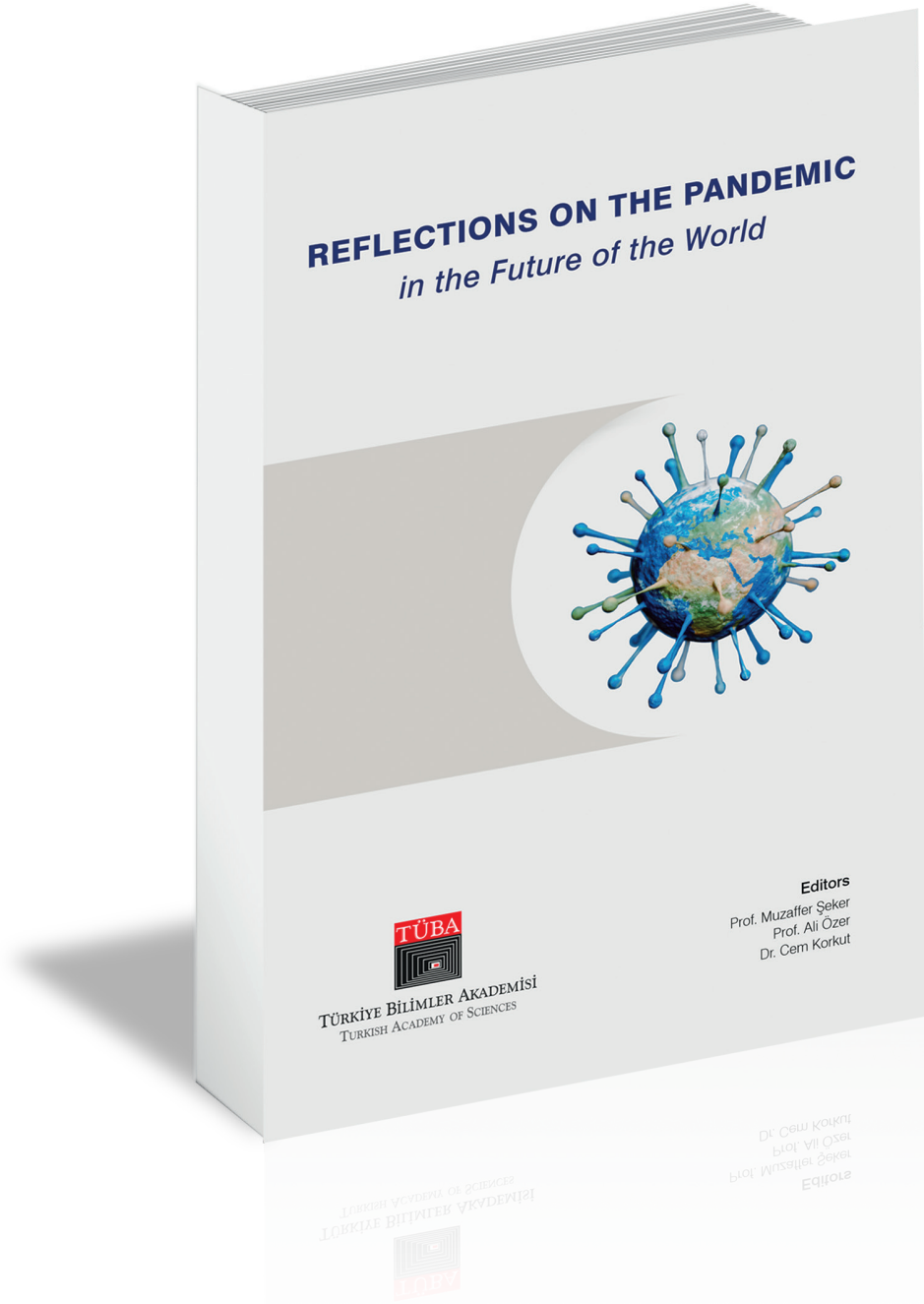
The opening speeches of the program were given by TÜBA President Prof. Dr. Muzaffer Şeker, Mayor of Konya Uğur



İbrahim Altay, and TÜBA Working Group Coordinator Prof. Dr. Mehmet Emin Aydın.

Following the protocol speeches, TÜBA Associate Member Prof. Dr. Mustafa Şahmaran, as an invited speaker, gave a presentation titled "Best Environmental Practices in Türkiye for the Management

of Earthquake Debris." The workshop, attended by 26 scientists from various universities and institutions, featured 5 sessions on Clean Production, Green Pact, Sustainable Waste Management, Zero Waste and Recycling Technologies, and Circular Economy and Sustainability.



Reflections on the Pandemic in the Future of the World

The most important difference of the COVID-19 pandemic from past pandemics is the multiplier effect of the speed of transportation and communication in the spread of the pandemic and the implementation of the measures taken. The reflections of the social change created by the global outbreak should be read well when a healthy analysis of past pandemic periods is made, and their differences and impact areas are evaluated. Determining post-pandemic period strategies based on historical evaluation will make it possible to perform the normalization process in a healthier way.

TÜBA at TEKNOFEST in Istanbul!

TEKNOFEST, Türkiye's groundbreaking Space and Technology Festival, in which TÜBA also participated, was held in Istanbul from April 27th to May 1st. Organized by the Türkiye Technology Team Foundation (T3 Foundation) and the Ministry of Industry and Technology with the support of 114 stakeholder institutions, TEKNOFEST received great attention this year as well, attracting over 2.5 million visitors during the five-day event.

TEKNOFEST, attended by President Recep Tayyip Erdoğan and Minister of Industry and Technology Mustafa Varank, featured 41 different technology competitions in various disciplines and categories such as drones, robots, artificial intelligence, and unmanned aerial vehicles as part of the 2023 Technology Competitions. These competitions, prepared in 102 different categories, saw the participation of 332,000 teams and over 1 million competitors. Over 13 million TL in prizes and over 30 million TL in material support were awarded in the competitions. The technology fair also featured various events such as conferences, workshops, seminars, and



panels. Prominent defense industry projects such as Bayraktar Kızılelma and Bayraktar Akıncı were showcased to visitors. This year, the Bayraktar TB3 Armed Unmanned Aerial Vehicle made its debut at the TEKNOFEST event area. On the final day of the festival, the demonstration flights of Bayraktar TB-2, Bayraktar Akıncı, F-16 Solo Turk, Turkish Stars, and Bayraktar Kızılelma garnered great interest. Bayraktar Kızılelma and Solo Turk performed a joint flight in the sky, greeting the visitors and accomplishing a first.

Expressing the pleasure of TÜBA's participation as a stakeholder in TEKNOFEST 2023, TÜBA President Prof. Dr. Muzaffer Şeker stated that the TÜBA-TEKNOFEST Doctorate Science Awards were presented to their recipients by President Recep Tayyip Erdoğan and Minister of Industry and Technology Mustafa Varank. He emphasized the

significance of being part of a program that has shown increasing enthusiasm since 2018, experiencing the synergy that has emerged with thousands of participants, and engaging in face-to-face communication with science enthusiasts of all ages. Furthermore, he mentioned, "At TÜBA's festival booth, we shared our programs, projects, and works as an Academy with visitors of all ages who love and follow science. We presented our guiding reports that shed light on our past and illuminate our future. In the exhibition supported by the National Library and Fuat Sezgin Foundation for the History of Islamic Science Research, our visitors had the opportunity to closely examine the tools related to the history of Islamic science modeled by our Honorary Member of TÜBA, Prof. Sezgin, and explore the attire of the Ottoman ilmiye class brought to life by the İzmir Olgunlaşma Enstitüsü (Maturity Institute)."

Applications for TÜBA-GEİP and TESEP Awards Ended for the Year 2023

Applications for the TÜBA Outstanding Young Scientist Awards (TÜBA-GEİP) and TÜBA Scientific Book Awards (TÜBA-TESEP) Programs have ended.

TÜBA President Prof. Dr. Muzaffer Şeker emphasized that since 2001, a total of 610 outstanding young scientists from various scientific fields have been awarded within the scope of the TÜBA-

GEİP program, and since 2008, 225 Turkish scientific works have been recognized through the TÜBA-TESEP program. He expressed that each application period is exciting for both TÜBA and the applicants.

TÜBA President Prof. Dr. Muzaffer Şeker highlighted that among TÜBA's primary duties is to ensure the appreciation

and acceptance of the importance of science by the public and to encourage the scientific community through awards. He further stated, "Each of our award programs has different criteria, and their processes are challenging and meticulous. The significance of receiving the GEİP Award, which receives great interest among young scientists, is well-

known among all academics. In fact, this is not just a mere application process; it represents the synergy created by the process, the intensive work of evaluation committees, communication with new scientists, academic research that opens up new doors, and different perspectives. Considering that collaborations and joint work continue throughout the academic lives of award recipients, it means that our Academy's connection with the awardees always continues. It also signifies the renewal of our Academy's energy every year with new names and new ideas. I am confident that our scientists will put forth their utmost efforts throughout this challenging process, and ultimately, all the efforts, whether they win or not, are highly valuable to us. Therefore, I wish all applicants good luck in advance

and want them to know that TÜBA will always be their supporter." Prof. Şeker reminded that applications for the TÜBA-TESEP Awards should be made for the final edition of the work and emphasized that the award program serves as a role model for Turkish-language scientific publications. He mentioned that the works are reviewed and evaluated by Area Evaluation Committees formed considering scientific disciplines, taking into account expert opinions, and added that the Special Awards established in the names of TÜBA Honorary Members Mehmet Genç, Halil İnalçık, Fuat Sezgin, and Kemal Karpat will continue.

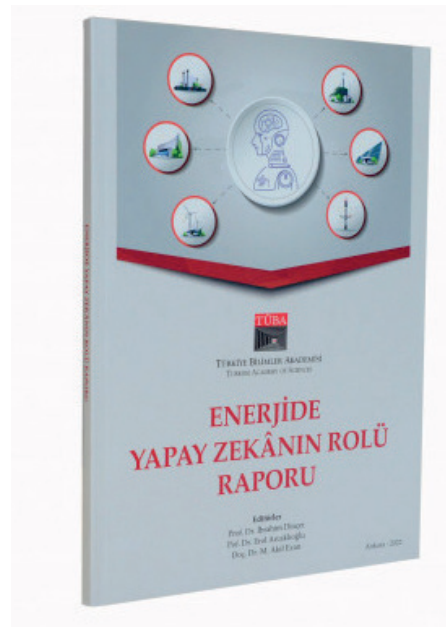
The recipients of the TÜBA-GEBİP Award receive a monetary prize of 50,000 TL each year for a period of three years. Additionally, they are granted additional

financial support of up to 15,000 TL per year for doctoral students in the thesis stage to be used in their research, and up to 15,000 TL for organizing national and international conferences within the scope of their internationally recognized scientific studies. The awardees also receive scientific advisory support from TÜBA members. After the initial three years, they are eligible for travel support to attend scientific meetings and events abroad, with 10,000 TL provided for European countries and 15,000 TL for non-European countries, once a year for five years. Under the TÜBA-TESEP program, a monetary award of 40,000 TL is given for copyrighted works, and a Special Achievement Award (Mention) of 20,000 TL is provided for noteworthy copyrighted works.

TÜBA Reports on the Power of Artificial Intelligence in Energy

The "Role of Artificial Intelligence in Energy Report," which examines the global and Turkish past, present, and future of digitalization and artificial intelligence applications in energy, has been published by TÜBA Energy Working Group.

TÜBA continues to conduct examinations and consultations for determining scientific priorities, carry out reporting and scientific publication activities for Türkiye's science strategy, and share them with relevant institutions and individuals. In this context, the TÜBA Energy Working Group, established within the framework, continues to generate knowledge by conducting studies on scientific and technological issues needed in the energy field, develop science and technology, produce strategies and policies, and provide problem-solving focused reports to policy-makers. Within this framework, studies are being conducted on alternative energy sources and their efficiency to contribute to our country's energy independence, scientific



and technological development, and the determination of strategic energy priorities.

Artificial intelligence offers not only risks but also advantages and many new opportunities.

The TÜBA Energy Working Group organized the "Role of Artificial

Intelligence in Energy Workshop and Panel." The program included contributions from 24 participants, including academics, various public and private institution executives, energy experts, and external stakeholders. The workshop examined the global and Turkish past, present, and future of digitalization and artificial intelligence applications in energy through sessions titled "Work in Public Institutions," "Fundamentals of Artificial Intelligence," "Applications in Public and Private Sectors," "Academic and Commercial Applications," and "Artificial Intelligence in Energy: Challenges and Opportunities." The workshop facilitated knowledge sharing and in-depth discussions in various fields, from technical aspects to economic and policy perspectives, and a roadmap necessary for Türkiye was developed. The "Role of Artificial Intelligence in Energy Report" resulting from the workshop was shared with the public.

TÜBA East Anatolian Fault Line Earthquakes Evaluation Meeting

TÜBA evaluated earthquake disasters in a multidimensional way with nearly 50 academics from more than 20 different scientific disciplines in order to fulfill the responsibility of reporting on the science strategy of the country, producing scientific publications, and sharing these with relevant institutions and individuals.

The meeting which was opened by the talks of Mustafa Şentop, Speaker of the Grand National Assembly of Türkiye; Mehmet Fatih Kacır, Deputy Minister of Industry and Technology; and Prof. Dr. Muzaffer Şeker, President of Turkish Academy of Sciences started with the talk of Prof. Dr. Orhan Tatar, General Director of Earthquake and Risk Reduction at AFAD. Two major earthquakes with magnitudes of 7.7 and 7.6 that occurred on February 6 on the East Anatolian Fault Line have already affected 10 provinces and a region with a population of approximately 13.5 million. In addition to the technical aspects of the earthquakes involving Türkiye and Syria, the social and economic dimensions were also discussed at the evaluation meeting. Particularly the report prepared by Istanbul Technical University (ITU) and all



other research studies and fieldwork were also discussed at the meeting. Bringing together scientists from different fields in a hybrid format, TÜBA enabled the issue to be discussed from different perspectives at the East Anatolian Fault Line Earthquakes Evaluation Meeting. Scientists from 23 universities participated in the evaluation meeting consisting of three main sessions under the titles of “Analysis of Past Earthquakes in Türkiye and Due Diligence of Current Earthquakes”, “Problems Caused by the 2023 East Anatolian Fault Line Earthquakes and their Interaction”

and “Possible Earthquakes Awaiting Türkiye and Suggestions from Different Scientific Disciplines”.

In the evaluation meeting, which was planned with a multidisciplinary approach, earth sciences and technical analyzes on earthquakes were discussed in depth. Disaster management, education, ecology and environment, agriculture and livestock, crisis management and communication, urban planning, psychology, law, public health issues were discussed in a multidimensional way and taking into account the situations before and after the earthquake.



The “TÜBA Eastern Anatolian Fault Line Earthquakes Assessment Meeting” organized by TÜBA addressed the earthquakes experienced from a multidimensional and multidisciplinary perspective. Nearly 50 scientists from 23 universities and more than 20 different scientific disciplines came together and shared their views in the assessment meeting consisting of 3 main sessions titled “Analysis of Past Earthquakes in Turkey and Assessment of Current Earthquakes”, “Problems and Impact of 2023 Eastern Anatolian Fault Line Earthquakes” and “Possible Earthquakes Awaiting Turkey and Recommendations of Different Scientific Disciplines”. In this meeting, technical analyses on geosciences and earthquakes were discussed, and presentations were made on disaster management, education, ecology and environment, agriculture and animal husbandry, crisis management and communication, urban planning, psychology, law, and public health in multi-dimensional pre and post-earthquake topics. This report was prepared with the contributions of the participants of the meeting within the scope of the presented topics.

TÜBA & TÜBİTAK Uzbekistan Aziz Sancar Research Fellowship Applications Started



TÜBA & TÜBİTAK UZBEKISTAN AZİZ SANCAR RESEARCH FELLOWSHIP PROGRAM

With the protocol signed between TÜBA and the Scientific and Technological Research Council of Türkiye (TÜBİTAK), Uzbekistan Aziz Sancar Research Fellowship Program has been launched to promote scientific and technological cooperation between Türkiye and Uzbekistan during and post doctoral studies. Applications will start on June 12 and end on July 14.

Applications for the Fellowship Program, which was made official with the

signatures of President of TÜBA Prof. Dr. Muzafer Şeker and President of TÜBİTAK Prof. Dr. Hasan Mandal at the 59th General Assembly of TÜBA, are now open. Uzbek citizens with permanent residence in Uzbekistan will be supported for a period of at least 1 and at most 3 years with the Program. It is planned to be open to PhD or post-doctoral researchers working in basic sciences, biology, physics, chemistry, mathematics, molecular biology and genetics, engineering, astronomy, earth and space sciences,

information technologies, agricultural sciences, agriculture, food, livestock, veterinary medicine, social sciences, international relations, political history, educational sciences.

Talking on the subject, TÜBA President Prof. Dr. Muzafer Şeker said that the Academy conducts many studies and programs on the Turkic world and continued as follows: "In order to fulfill our promise to Prof. Dr. Aziz Sancar, our TÜBA Honorary Member, we continue to work with the Turkic Republics in different fields. One of them is the research fellowship program we opened in the name of the Professor. We have scientific cooperation, joint programs and projects carried out with Turkic Republics. We attach great importance to this because our unity and solidarity, especially in scientific terms, will increase the Turkish presence and influence in every sense."

Details about the program can be found on TÜBA and TÜBİTAK websites.

Earthquake Solidarity of KAST with TÜBA



The Korean Academy of Science and Technology (KAST) provided financial support to TÜBA in response to the earthquake disaster.

Prof. Dr. Muzafer Şeker, President of TÜBA, expressed that the help and care provided by the benefactors consisting of Korean academics was very valuable, and sent his thanks to them through KAST. He said: "We have carried out many activities with KAST within the framework of science diplomacy. In this period, this donation is very important not only financially but also spiritually.

When we received KAST's conditional financial support, we contacted Hatay Mustafa Kemal University, which was severely affected by the earthquake. As a result of our evaluation with the Rectorate, we helped extend the hands of scientists from the other side of the world, from a completely different geography, to our 12 academics whose houses were damaged." President Şeker said that the solidarity, understanding and sharing that humanity shows in such catastrophic times increases the hopes for the world.

Prof. Dr. Ahmet Nuri Yurdusev, full member of TÜBA and acting president of AASSA, stated: "The donation by the members of KAST, which is a leading

member of AASSA, reflects on the one hand the solidarity of scientific community and, on the other hand, the friendship between Republic of Korea and the Republic of Türkiye. I am extremely happy to be part of this endeavour and would like to record my thanks to Ook Joon Yoo, the president of KAST, and KAST members who generously donated, and Muzafer Şeker, the president of TÜBA, who assured the transfer of the donation to the scientists in the earthquake zone."



Science and Technology in Islam in 6 Languages from TÜBA



TÜBA, Honorary Academy Member Prof. Dr. Fuat Sezgin published "Science and Technology in Islam" in 5 volumes. His work was published in Turkish, English, German, French, Russian and Kyrgyz.

The work titled "Wissenschaft und Technik im Islam" authored by Prof. Sezgin in German, and later translated into Turkish for the first time and published by TÜBA, has recently been translated into Russian and Kyrgyz by the Academy as well.

The fact that Prof. Sezgin's works reach millions in different languages is our debt to his knowledge and his devoted life.

TÜBA President Prof. Dr. Muzaffer Şeker stated that Prof. Sezgin dedicated his life to uncovering the truths in the history of science. He emphasized that Prof. Sezgin's genius, diligence, and talent liberated the knowledge that had remained in the dark in the Turkish-Islamic world, unseen and overshadowed

by the West's domination. He also highlighted the Institute and Museum of History of Arab-Islamic Sciences founded by Prof. Sezgin in Frankfurt, as well as the Foundation and Museum of History of Islamic Science in Istanbul, where the technological achievements of scientists in the Islamic world in various fields such as astronomy, geography, navigation, time measurement, geometry, optics, medicine, chemistry, mineralogy, physics, architecture, engineering, and military technology are exhibited through models.

Continuing his statement, Prof. Şeker said, "As TÜBA, we meticulously translated the work 'Introduction to Science and Technology in Islam' into Turkish, consisting of 5 volumes: Astronomy; Geography, Navigation, Clocks, Geometry, Optics; Medicine, Chemistry, Minerals, and Fossil Formations; Physics and Technology, Architecture, Military Technology,

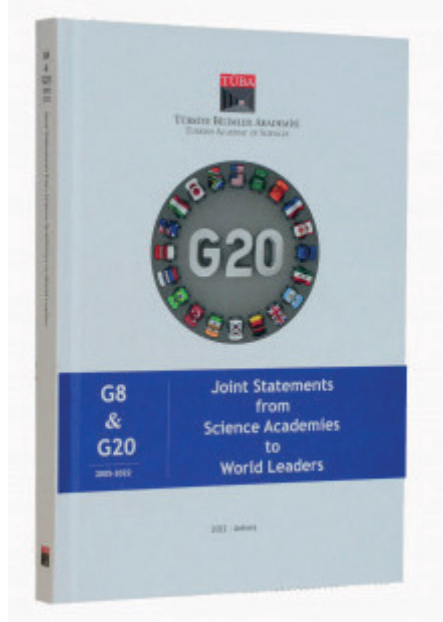
Ancient Objects, Orientalizing Style European Glass and Ceramics. We first published it in 2007. The translation into Turkish was a significant step, especially for Türkiye and the Turkic world. We brought the Turkish version of the out-of-print book to the readers for the 5th time this year. Through a protocol between TÜBA, Kırıkkale University, IBTAV, and Manas University, the first volume of 'Introduction to Science and Technology in Islam' has been translated into Kyrgyz and Russian languages. The researchers have shared it with Central Asia science academies. We put great importance on publishing the work in different languages to enable readers to read it in their native language. In this context, we have also re-published the previously released German edition and the English and French editions, which have been translated and are currently out of print."

TÜBA Has Published the Book Titled “G8-G20 Joint Statements from Science Academies to World Leaders”

TÜBA President, Professor Muzaffer Şeker, emphasized the importance of science in a joint paper published by the Science-20 (S-20) working group of the national science academies of the G20 countries. The paper, which includes 41 studies in total, was published in December 2022 in connection with the G8 and G20 summits held in 18 different years and countries from 2005 to 2022. In the introductory article, Professor Şeker highlighted the issues of inequality in education, environmental pollution, unfair income distribution, and the destruction of cultural values as significant problems facing the world. He also emphasized the importance of the formation of the G8 and G20 in addressing these issues and said that it is necessary for developing countries to be included in the solution-finding process. He noted that the G20 platform does not have decision-making power but it is an important opportunity for many developing countries to have their voices heard in the world, and that the S20 meetings are crucial in this regard as they provide an opportunity for scientists to convey their findings to decision-makers.

The introductory letter of TÜBA President explains that the book, “G8-G20 Joint Statements from Science Academies to World Leaders,” is a

collection of papers that have been signed or received by science academies at S8 and S20 meetings in the last two decades. The papers were produced



during the G8 and G20 summits held in 18 different years and countries from 2005 to 2022. The purpose of the book is to present a comprehensive overview of the findings and solutions offered by science academies to the problems facing the world. The book covers a range of topics that are of concern to the global community, such as health and diseases, governance, economy, and infrastructure.

In addition to these general topics, the book also addresses issues that are frequently encountered by countries and the world, such as inequality in education, environmental pollution, unfair income distribution, and the destruction of cultural values. These issues are highlighted in the introductory article by TÜBA President Professor Muzaffer Şeker, who emphasizes the importance of science in addressing these problems. The book also covers concepts related to energy, climate, world, innovation, change, technology, and research, all of which are closely related to the concept of “science”.

The TÜBA President expresses gratitude for the hard work and contributions of all scientific academies and scientists who participated in the papers. He also highlights that the book is an important work showcasing the active role of TÜBA in the field of science diplomacy. The book reflects the active role of TÜBA in the S8 and S20 working groups, which consist of the national science academies of the G20 countries, and it's also an important contribution on the 100th anniversary of the Republic of Türkiye. The book is a demonstration of the TÜBA's commitment to providing science-based solutions to the issues on the world agenda and it aims to convey the voice of science to decision-makers.

Visit from Sudan Committee to President Şeker

Sudan Committee consisting of academicians from Bahri University visited TÜBA President Prof. Dr. Muzaffer Şeker.

President Şeker expressed that TÜBA has been in academic collaboration with the Sudanese Academy of Sciences

within the framework of a bilateral agreement since 2016. He provided the delegation with information about TÜBA's activities, programs, projects, and publications. An exchange of information took place among the academicians.



World Science Forum - Cape Town - South Africa

The World Science Forum (WSF) was held in Cape Town.

WSF, which was held in Africa for the first time, is among the most important science meetings in the world. The Forum, which takes place every two years and is attended by scientists from all over the world, is titled "Social and Economic Importance, Impact and Responsibilities of Science"; It was prepared by the Hungarian Academy of Sciences in cooperation with the United Nations Educational, Scientific and Cultural Organization (UNESCO).

Representing Türkiye, TÜBA President Prof. Dr. Muzaffer Şeker and TÜBA Member and President of the Association of Academies and Societies of Sciences

in Asia-AASSA, Prof. Dr. Ahmet Nuri Yurdusev and TÜBA Member Prof. Dr. Bilge Demirköz participated in the program, where more than 900 leading scientists, decision makers, civil society representatives and media representatives from politics and industry took part in the common platform established to express their views on the new challenges facing science in the 21st century.

In the forum; South African Minister of Higher Education, Science and Innovation Dr. Blade Nzimande, Global Young Academy (GYA) Co-Chair Professor Roula Inglesi-Lotz, Hungarian Academy of Sciences President Tamás Freund, African Academy of Sciences President Felix Dakora and International Science Council President Sir Peter Gluckman spoke.



At its meeting in 2022, the Forum mainly aims to foster global debate, support African leadership in global science policy debates, and promote South Africa as a strategic partner for global science cooperation in response to societal challenges.

President Şeker Attended Science20 Meeting

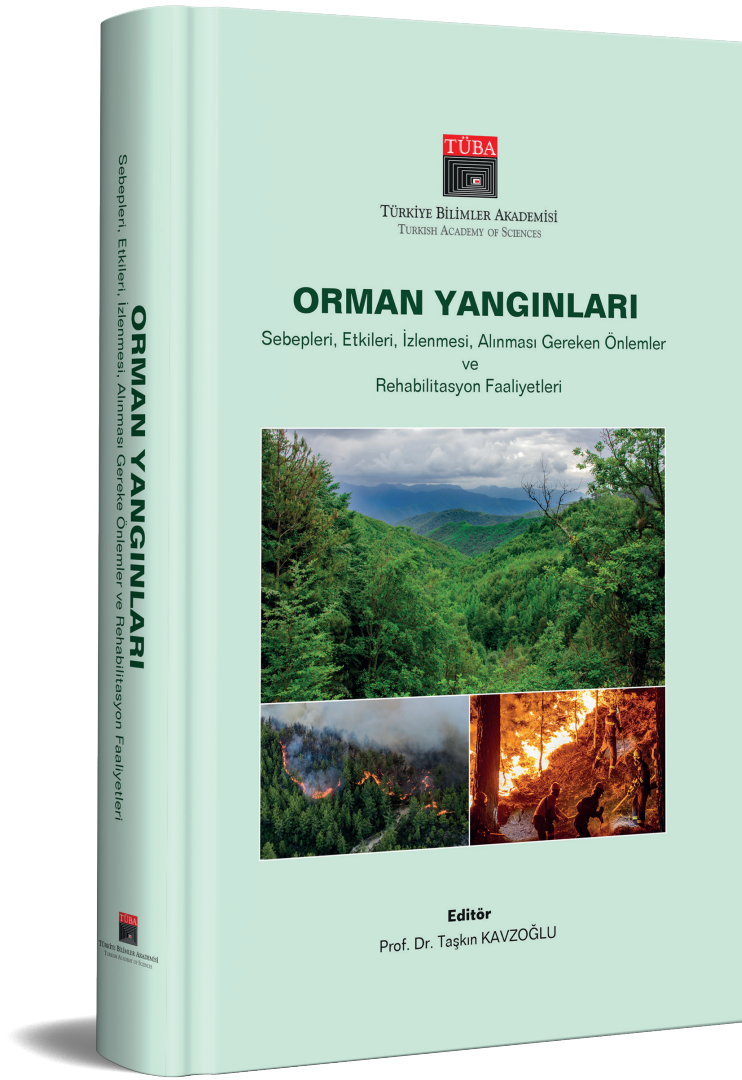


Prof. Dr. Muzaffer Şeker, president of TÜBA attended the "Science20 Inception Meeting" held within the scope of Science20 (S20).

After the S20 meeting hosted by Indonesia in 2022 with extensive participation by TÜBA, the S20 opening meeting was held in Pondicherry, India in this year. During the 2-day meeting, TÜBA Principal Member and Prof. Dr. Ahmet Nuri Yurdusev, TÜBA Principle Member and METU Faculty Member also took part.

Within the scope of the S20 – 2023 program, 4 main meetings are planned (apart from the opening meeting) in 4 different cities between January and September. The program includes "Clean Energy for a Greener Future" in Agartala on 3-4 April, "Universal Holistic Health" in Lakshadweep on 1-2 May, "Connecting Science to Society and Culture" in Bhopal on 16-17 June, and "Synthesis and Policy Recommendations" on July 21-22 in Coimbatore.

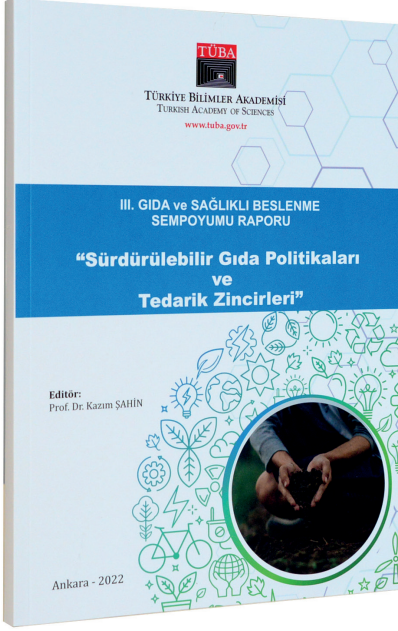
Science20, which is called S20 consists of science academies of G20 countries; a working group that works for the leaders and the world public to have the scientific basis of policies is a platform for the cooperation of scientists and institutions among the G20 countries. Science20 aims to help G20 leaders make the most of science and technology, and it provides G20 leaders with guidance on scientific and technological issues.



Forest Fires Causes, Effects, Monitoring, Precautions and Rehabilitation Activities

In this book titled “Forest Fires: Causes, Effects, Monitoring, Precautions and Rehabilitation Activities” containing a total of 17 sections, forest fires were discussed considering a wide range of interdisciplinary aspects. Following the first section focusing on causes, organization and management of mega forest fires, the effects of climate change on fires, the use of information technologies, forest susceptibility and risk mapping techniques, changes in forest soil after a fire, early warning and response strategies using remote sensing technologies, spatial analysis of fires that occurred in summer 2021, fire risk analysis for Istanbul Princes Islands, changes in forest soil after a fire and reforestation studies, the effects of fires on wildlife, the legal dimensions of forest fires were addressed in the book. In addition, the effects of forest fires on tourism, which has a significant share in the national income, was also analyzed extensively based on up-to-date data. With this section, the economic effects of forest fires were investigated in the context of tourism; thus, an important gap in the literature was fulfilled. In the last part of the book, the final decisions and recommendations taken by the nine working groups at the “Workshop on Forest Fires in the Process of Climate Change” organized by the General Directorate of Forestry on October 13-15, 2021 were presented. The decisions taken at the workshop are regarded as the course of action for forest fire policies in the upcoming years. For this book, covering forest fires at great extent and regarded to be an important resource for future studies, I would like to express my gratitude to all the authors and reviewers who have contributed to the improvement of the sections with their views and comments. I am also deeply grateful to Prof. Dr. Muzaffer Şeker, president of Turkish Academy of Sciences, who has entrusted the editorial position to me for this important work and has not withheld his support throughout the whole process.

TÜBA Published the Z Report on Food



TÜBA has published the “Report on Sustainable Food Policies and Supply Chains” prepared by the Food and Nutrition Working Group. TÜBA, as the national academy of Sciences in Türkiye, continues its scientific-based advisory role on strategic issues. Following the TÜBA-III International Symposium on Food and Healthy Nutrition: Sustainable Food Policies and Supply Chains, organized by the TÜBA Food and Nutrition Working Group with contributions from 17 scientists, the report addresses the analysis of problems and provides solution recommendations for the supply chain. This comprehensive study is intended to benefit policymakers and decision-makers.

“Harm to the food safety threatens the sovereignty of countries”

TÜBA President Prof. Dr. Muzaffer Şeker emphasized that food encompasses many current issues, from production to consumption, distribution to safety. He stated that the rapid demand for essential food products, driven by factors such as unbalanced population growth, climate change, international conflicts, and

urbanization over the past century, has led to numerous problems, ranging from inflation to supply shortages. He said, “Especially after the global pandemic, the vulnerable market and fluctuating demand in the supply chain, along with climate and seasonal variations, have negatively affected the entire food sector and created a risk of international food supply crisis. The increase in energy costs affecting all processes, from production to packaging, transportation to market access in terms of international trade, has prompted countries, especially those dependent on food imports, to update and prioritize their consumption policies in order to ensure a sustainable food supply. If necessary measures are not taken, the damage to food security and disruption of the supply chain pose multi-dimensional risks to the independence of countries, leading to conflicts between societies and nations. In light of all these causes and developments, ensuring food security and its guarantee emerge as significant issues for society to access sufficient and healthy food.”

TÜBA Food and Nutrition Working Group Coordinator, Prof. Dr. Kazım Şahin, who also served as the editor of the report, provided information on the continued increase in chronic diseases such as obesity, diabetes, cardiovascular diseases, and cancer worldwide and in Türkiye. He mentioned that the number of people dying or becoming ill due to hunger or inadequate nutrition is increasing, and this situation has worsened during the global COVID-19 pandemic. Prof. Şahin stated, “Highly integrated food supply chains that have spread across the world have been disrupted due to policy changes, economic stresses, and natural disasters, as observed in the recent pandemic. It has been reported that some major challenges faced by the modern food supply chain can

be addressed through technological innovations such as artificial intelligence, nanotechnology, biotechnology, gene editing, and vertical farming. Many of these technologies are already being used by farmers, distributors, producers, and consumers in the food chain to improve the quality, safety, and sustainability of the food supply. These innovations are necessary to encourage the development and implementation of new technologies to establish a more equitable, flexible, and efficient food production system. Additionally, our universities have important roles in reducing the increased price levels, especially in animal products, to more reasonable levels. In this context, it is beneficial to intensify studies related to feed, which constitutes approximately 70% of the inputs in the livestock sector.”



Memorandum of Understanding Between TÜBA and Azerbaijan National Academy of Sciences Signed



A memorandum of understanding was signed between TÜBA and the Azerbaijan National Academy of Sciences to provide the ground for the developing new cooperation possibilities.

Prof. Dr. Muzaffer Şeker, President of TÜBA and Prof. Dr. Isa Habibbayli, President of the Azerbaijan National Academy of Sciences signed this memorandum of understanding to ensure the exchange of scientific information between the scientific communities of Türkiye and Azerbaijan.

After the signing the protocol, Prof. Şeker gave the statement that the scope of the cooperation activities mentioned in the memorandum of understanding is quite wide and includes all academic fields including science, technology, humanities and social sciences. President Şeker continued as follows: “Every cooperation we have made with Azerbaijan, of course, makes us happy at every stage as two states and a nation. With the memorandum of understanding we signed, our academic cooperation with scientists from Türkiye and Azerbaijan will further develop and strengthen. It will encourage our scientists and researchers to exchange scientific knowledge and experience between the two countries through interaction. In addition, cooperation among academic members will be supported to transform advanced research into commercial applications for economic growth and job creation.”

Finally, President Şeker underlined that bilateral scientific meetings such as symposiums, conferences and workshops, exchange of scientists and exchange of information and publications are very important for academies within the framework of the memorandum of understanding.

Prof. Şeker and Prof. Habibbayli informed about the latest publications of the Academy; He presented the National Technology Move and the National Technology Initiative: Social Reflections and Türkiye’s Future, published within the framework of the 100th anniversary of the Republic of Türkiye, as well as the G8&G20 Joint Statements from Science Academies to World Leaders and the Dress Norm of the Ottoman İlmîye Class. During the meeting, TÜBA Principal Member and METU Faculty Member Prof. Dr. Ahmet Nuri Yurdusev also took part.

President Şeker Attended the Seminar on “Science Diplomacy for a Sustainable Future”

Prof. Dr. Muzaffer Şeker, the President of the Turkish Academy of Sciences (TÜBA), attended the seminar on “Science Diplomacy for a Sustainable Future” held at Middle East Technical University (METU). Prior to the program, Prof. Şeker had a meeting with the invited speaker Dr. E. William Colglazier and TÜBA Principal Member, ODTÜ Rector Prof. Dr. Mustafa Verşan Kök.

Dr. Colglazier, one of the leading figures in the field of science diplomacy, discussed the increasing importance of science diplomacy for today and the future in his speech at the seminar. He stated that science is a powerful tool to enhance both national and global diplomacy and that diplomacy can help foster the development of science on an international scale. Emphasizing



the growing significance of science collaborating with diplomacy, he highlighted how science diplomacy becomes increasingly important with the acceleration of scientific and technological advancements. Dr. Colglazier also emphasized that the wide array of emerging technologies presents opportunities, challenges,



and complexities. In this regard, he underlined the crucial role of science diplomacy in recognizing the advantages and managing the risks.

During the event, Prof. Dr. Şeker presented Dr. E. William Colglazier with a selection of scientific publications issued by TÜBA.

Eastern Anatolia Fault Line Earthquakes: Findings and Recommendations

As part of TÜBA's reporting on the country's science strategy and scientific publication activities; "Eastern Anatolia Fault Line Earthquakes: Findings and Recommendations" edited by TÜBA President Prof. Dr. Muzaffer Şeker and Assoc.Prof.Dr. Cem Korkut from Ankara Yıldırım Beyazıt University was updated after taking data from AFAD, universities and local authorities into account.

Based on the latest information obtained on April 13th, the study includes general information on various topics such as health services, search and rescue activities, personnel involved in related operations, information on earthquake victims accommodated in tents and containers within the disaster zone, as well as those provided with shelter in various facilities outside the disaster zone. Additionally, it provides information on emergency aid allowances provided to earthquake victims, ongoing damage assessment efforts, and specific details regarding debris removal,

shelter, nutrition, and evacuation in the 11 provinces affected by the earthquake disaster.

TÜBA organized the Eastern Anatolia Fault Line Earthquakes Meeting to fulfill its responsibility of conducting reporting on the country's science strategy and scientific publication activities and sharing them with relevant institutions and individuals. The meeting brought together nearly 50 scientists from over 20 different scientific disciplines representing 23 universities to discuss identification, recommendations, and solutions. "Eastern Anatolia Fault Line Earthquakes: Findings and Recommendations" includes the presentations and discussions conducted during the meeting, as well as the results obtained from the research, investigation, and observation activities carried out by TÜBA Academy Council during their visit to the earthquake-stricken region.

The Eastern Anatolia Fault Line Earthquakes Report provides a multidimensional and comprehensive evaluation of earthquakes, encompassing not only geological and technical analyses but also various aspects such as disaster management, education, ecology and environment, agriculture and livestock, crisis management and communication, urban planning, psychology, sociology, law, and public health. Additionally, this report goes beyond assessing the pre- and post-earthquake situations and offers a wide range of scientifically supported recommendations related to disaster planning and management. It holds significant importance as it can serve as a roadmap for a broad audience, ranging from citizens to policymakers, with its diverse and evidence-based suggestions.

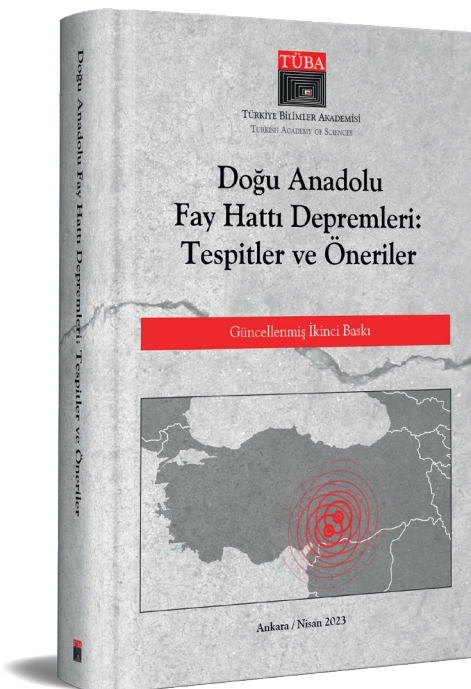


TÜBA Council Visits the Earthquake Region

President Prof. Dr. Muzaffer Şeker and a delegation consisting of the TÜBA Council conducted inspections in the earthquake-affected region.

During their visit, Prof. Dr. Şeker and the TÜBA Council members, including Prof. Dr. Ahmet Cevat Acar, Prof. Dr. Mehmet Emin Aydın, Prof. Dr. Muzaffer Elmas, Prof. Dr. Feridun M. Emecen, Prof. Dr. Mustafa Ersöz, Prof. Dr. Fatih Gültekin, Prof. Dr. Bekir Salih, and Prof. Dr. Kazım Şahin, met with rectors in Elazığ, Malatya, Hatay, Adıyaman, Kahramanmaraş, and Gaziantep cities. They also held consultations with local administrators in Nurdağı, İslahiye, Gölbaşı, and Kırıkhan.

During their meetings, the TÜBA Council discussed with the following individuals: Prof. Dr. Ahmet Kızılay, the Rector of Malatya İsmet İnönü University; Prof. Dr. Türkay Dereli, the Rector of Gaziantep Hasan Kalyoncu University; Prof. Dr. Veysel Eren, the Rector of Antakya Mustafa Kemal University; Prof. Dr. Fatih Doğanoglu, the Vice Rector of Adıyaman University; Governor Davut Gül of Gaziantep; Tuncay Sonel, the Governor of Ordu and Coordinator for Adıyaman; and Dr. Rüstem Keleş, the Secretary General of Kahramanmaraş Metropolitan Municipality. The discussions revolved around the type of support that TÜBA can provide in the region.



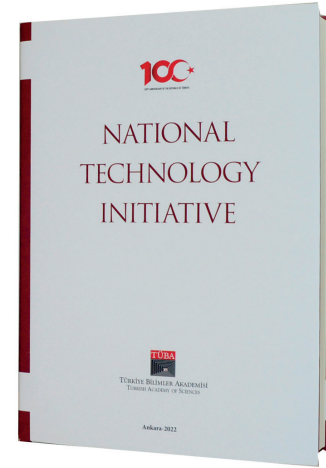
A Book Has Become the National Technology Initiative in Türkiye

TÜBA has published two works titled “Millî Teknoloji Hamlesi: Toplumsal Yansımaları ve Türkiye’nin Geleceği” (National Technology Initiative: Social Reflections and Türkiye’s Future) and its English edition “National Technology Initiative: Social Reflections and Türkiye’s Future.” The works extensively cover the multidimensional aspects of the National Technology Initiative in 37 chapters, presenting Türkiye’s technology-driven national development efforts from the perspective of scientists and reflecting their primary source opinions. The book conveys the strategic support given to R&D investments and scientific activities, which contribute to the positive development of Türkiye’s international competitiveness in technology. The work focuses on individual, institutional, and societal interactions, showcasing examples of the national technology leap, the academic perspectives of scientists, and the practices of institutions contributing to the National Technology Initiative.

In the introduction of the work, President Recep Tayyip Erdoğan states that Türkiye has started to position itself as a country leading and paving the way in many fields through the National Technology Initiative, aiming to leverage every opportunity to globalize this significant technological development and actively participate in international competition in collaboration with the public and private sectors.

Türkiye is now a country that can produce two-thirds of its defense industry’s needs.

Tank, helicopter, aircraft, unmanned aerial vehicle, and many other products have reached an encouraging stage where ready procurement projects have been canceled in favor of the development of national and indigenous models, as noted by President Erdogan. “Türkiye is now a country capable of producing two-thirds of its defense industry needs domestically. Moreover, we have laid the foundations of national and domestic production in many



fields, including healthcare, education, energy, and transportation,” President Erdogan stated. He emphasized the significance of the book titled “National Technology Initiative: Social Reflections and Türkiye’s Future,” prepared by the Turkish Academy of Sciences, which meticulously documents the scientific progress Türkiye has achieved in the field, production lines, air, sea, space, and the world of software.

President Erdogan highlighted that the work, prepared with the contributions of technology experts, researchers, scientists, decision-makers, and representatives from the public and private sectors, aims to incorporate Türkiye’s National Technology Initiative into the scientific literature. He expressed his belief that the work, which demonstrates the contributions of all stakeholders in Türkiye’s journey to becoming an influential actor and a technological hub in global politics, will serve as an important reference source.

The study titled “National Technology Initiative: Social Reflections and Türkiye’s Future” aims to bring the cornerstones and experiences of Türkiye’s national technological breakthrough into the scientific literature using scientific methods.

In the presentation of the study, Minister of Industry and Technology, Mustafa Varank, emphasized their ongoing support for all scientific and technological

developments in their efforts to enhance Türkiye’s technological competence through the pursuit of “new,” “better,” and “unexplored” advancements. He stated that the National Technology Initiative, initiated under the leadership of President Recep Tayyip Erdoğan, is the vision that ensures Türkiye’s economic and technological independence. It represents the conceptual definition of our efforts to design, develop, and produce critical technologies and products with national capabilities at the highest level. In line with this vision, our 2023 Industry and Technology Strategy serves as an important reference in achieving our goals during this period of building the Türkiye Century. Our multidimensional policies, built upon five components of high technology and innovation, digital transformation and industrial drive, entrepreneurship, human capital, and infrastructure, address all the necessary areas.

Varank emphasized that the study “National Technology Initiative: Social Reflections and Türkiye’s Future,” prepared by the TÜBA, aims to bring the cornerstones of Türkiye’s leap in the national technology and its experiences in this path into the literature through scientific methods. He expressed the importance of this work as a fundamental human input for our future policies on science, R&D, and innovation.

The nomination process for the International TÜBA Academy Awards has come to an end.



The nomination process for the “International Academy Awards,” established by TÜBA to honor scientists and contribute to the scientific development of Türkiye and the relationship and collaboration between the Turkish scientific community and the global scientific community, was extended due to the earthquake disaster upon requests from universities and academics. The extended nomination period concluded on May 22, 2023.

Due to the earthquake, which affected 13 cities, 24 universities, and numerous scientists, the nomination process for the “International Academy Awards” has ended based on the requests received from universities and academics. TÜBA President Prof. Dr. Muzaffer Şeker, emphasizing the importance of science during these difficult days Türkiye is going through, stated that remaining loyal to the principles of science is what will keep us standing. He expressed his confidence in the swift recovery from the wounds caused by the major disaster and also mentioned that continuing scientific research is part of the fight against the aftermath of the earthquake.

TÜBA President Prof. Dr. Muzaffer Şeker announced the commencement of the applications for the International Academy Awards and reminded that in 2022, Prof. Dr. Joseph Wang from the University of California, San Diego, Prof. Dr. Amnon Cohen from the Hebrew University of Israel, and Prof. Dr. Joseph Jao-Yiu Sung, Dean of Lee Kong Chian School of Medicine at Nanyang Technological University, were awarded the TÜBA Academy Awards. He stated that, like in previous years, the awards ceremony would be held under the patronage of the Presidency of the Republic of Türkiye at the Presidential Complex to honor the recipients.

For the year 2023, the Türkiye-related award will be conferred in the field of Health and Life Sciences.

Continuing his statement, Prof. Şeker said, ‘With our mission to encourage and appreciate scientists in our esteemed Award Program, we have completed our preparations this year to honor scientists who have excelled with their original, pioneering, and groundbreaking scientific research. Today, we have started accepting applications. I can say that all stages of our program are

quite challenging for our institution, but equally exciting. Every scientist working, putting in effort, and being recognized for their achievements anywhere in the world is valuable and represents new hopes for all of humanity. We conduct all our programs and projects with this motivation, so we are meticulous and careful in every aspect. Our responsibility is significant, of course, but we have all the means to overcome it. I wish success to the scientists who are nominated this year.’

Prof. Şeker also emphasized that one of the awards is given annually, rotating among three fields, to foreign scientists who are either Turkish citizens, work in Türkiye, or have scientific connections to Türkiye. He announced that the Türkiye-related award for 2023 will be conferred in the field of Health and Life Sciences.

The TÜBA International Academy Awards, consisting of the Academy Award Medal, the Academy Award Certificate, and a monetary prize of approximately 30,000 US dollars, are available to all scientists. They are given as one award in each category to the nominees from different scientific fields, namely Natural and Engineering Sciences, Health and Life Sciences, and Social and Humanities Sciences. The nominated scientists, proposed by TÜBA members, university rectors in Türkiye, science academies affiliated with TÜBA, inter-academy organizations, and scientific institutions such as YÖK, TÜBİTAK, and TÜSEB, are evaluated by the Committees of the Award Program based on opinions from domestic and foreign referees.

TÜBA Workshop on Efficiency in Natural Resources and Alternative Energy Solutions

The “Workshop on Efficiency in Natural Resources and Alternative Energy Solutions” organized by TÜBA Environment, Biodiversity, Climate Change, and Energy Working Group took place in the Turkish Republic of Northern Cyprus (TRNC) and lasted for two days.

The opening of the program, hosted by Istanbul Technical University (ITU) and ITU TRNC, and in partnership with the TC Development and Economic Cooperation Office, was conducted by the President of TRNC, Ersin Tatar, and the Ambassador of Türkiye to Nicosia, Prof. Dr. Metin Feyzioğlu, TÜBA President Prof. Dr. Muzaffer Şeker, and ITU TRNC Rector Prof. Dr. Cumali Kınacı.

The program, which involved a total of 26 participants, including experts from various institutions and academics from different universities, addressed topics such as “Water Management in



TRNC within the Framework of Climate Change” on the first day. The first session of the day, which also included different subjects related to earthquakes, was chaired by Prof. Dr. Lütfi Akca, the President of the Turkish Water Institute. Prof. Dr. Necati Ağırlioğlu from Antalya Science University talked about the “Historical Background of Water Problem in Cyprus,” TÜBA Honorary Member and

ITU Faculty Member Prof. Dr. İzzet Öztürk discussed the “Impacts of Climate Change on Water Supply from Türkiye to Cyprus,” ITU Faculty Member Dr. Asst. Prof. Türker Türken presented on “Sustainable Water Management in Northern Cyprus,” and Prof. Dr. Hüseyin Gökçekuş from Near East University discussed “Current Water Needs of Cyprus and the Status of Underground Water Resources.”

President Şeker Attended ISC Meeting

The President of TÜBA Prof. Dr. Muzaffer Şeker attended the International Science Council’s 2023 mid-term meeting titled “Capitalizing on Synergies in Science”.

Prior to the meeting in Paris, which was also attended by Prof. Dr. Ahmet Nuri Yurdusev who is TÜBA Full Member and the Acting President of the Association of Academies and Societies of Sciences in Asia (AASSA), TÜBA Full Member Prof. Dr. Pinar Bilgin and representing TÜBA Young Academy Assist. Prof. Mürsel Doğrul who is the National Defence University, “Conference on Scientific Freedom and Responsibility” was held by ISC and United Nations Educational, Scientific and Cultural Organization (UNESCO) to raise awareness about the importance of scientific freedom and responsibility and to encourage efforts to strengthen its implementation.



During the three-day program, a total of 15 sessions, some of which included parallel sessions, were held. Exchanges of ideas, discussions and question-and-answer sessions were carried out at the end of each session that was attended by ISC members, executives, members of science academies from many countries

across the world, representatives and presidents of global science organizations. Important topics such as the inclusion of women in science, gender equality in science, interdisciplinary developments in science, scientific work in times of crisis, scientific freedom and responsibility were also highlighted.

President Şeker Attends : 6th General Assembly Meeting of TDUBAB



Prof. Dr. Muzaffer Şeker, the President of TÜBA, participated in the 6th General Assembly Meeting of the Union of National Academies of Sciences of the Turkic World (TDUBAB), held in Almaty, Kazakhstan.

The meeting, organized with the support of Al-Farabi Kazakh National University, brought together TDUBAB members to discuss scientific priorities and facilitate scientific cooperation in the Turkic world. Additionally, the meeting aimed to enhance project-based collaboration among Turkish science academies, promote joint research activities, and establish a foundation for deeper cooperation, initiate inter-academy exchanges, and support open science policies.

The opening speeches were delivered by Kanatbek Abdrakhmatov, the President of the National Academy of Sciences of the Kyrgyz Republic; Şahin Mustafayev, the President of the Turkish Academy; Zhanseit Tuembayev, the Rector of Al-Farabi Kazakh National University; and Sayasat Nurbek, the Minister of Science and Higher Education of the Republic of Kazakhstan. Following the speeches, the presidency of TDUBAB was transferred to Daniya Zagidullina, the Deputy President of the Tatarstan Academy of Sciences (Russian Federation).

Under the leadership of Deputy President Daniya Zagidullina, the first session included President Şeker as well as İsa Habibbeyli, the President of the National Academy of Sciences of Azerbaijan; Murat Zhurnov, the President of the National Academy of Sciences of Kazakhstan; Kanatbek Abdrakhmatov, the President of the National Academy of Sciences of the Kyrgyz Republic; Regdel Duger, the President of the Mongolian Academy of Sciences; Kamil Ramazanov, the President of the Academy of Sciences of the Republic of Bashkortostan; János Hóvári, the Executive Director of the Representation of the Turkic Council in Hungary; and Gairat Bakhadirov, the Chief Scientific Secretary of the Academy of Sciences of the Republic of Uzbekistan.

Being in scientific collaboration with the Turkic world will strengthen us.

President Şeker stated in his speech that in light of the earthquake disaster in Türkiye, the international community from all around the world showed solidarity and support by offering assistance and resources to Türkiye. He expressed deep gratitude for the support, generosity, and compassion of the Turkic nations.

President Şeker continued, "Scientists and researchers from Turkic nations can

work together by sharing knowledge and resources to tackle global issues such as climate change, pandemics, and socially disruptive technologies. Through collaboration, we can benefit from each other's resources, identify common interests and priorities, and work towards a shared vision for a better future. Recent major wildfires, earthquakes, floods, and pandemics have shown us the need to be more prepared for such disasters. I believe that as the Turkic world, our public institutions and NGOs should always be ready and work in collaboration. Particularly in the field of scientific research, working together creates great strength. When we come together for collaboration, we can strengthen not only our individual capabilities but also the collective potential of the entire group."

Şeker emphasized that the joint efforts of scientific academies, shared resources, expertise, and research collaborations can have a much greater impact than individual efforts. He stated that such collaborations can lead to groundbreaking discoveries, new technologies, and innovative solutions to some of the most urgent issues in the Turkic world. Collaborations in these societal domains unite the Turkic world and strengthen its position in global politics.

TÜBA-AASSA, the Role of Science Academies in the Future of Basic Sciences

TÜBA, in collaboration with the Asian Association of Academies of Sciences (AASSA) and with support from the InterAcademy Partnership (IAP), organized the international symposium and AASSA General Assembly Meeting on the topic of “The Role of Science Academies in the Future of Basic Sciences” in Istanbul.

The symposium aimed to contribute to the recognition of basic sciences, foster discussions on related disciplines, and create awareness about the role of science academies in shaping the future of basic sciences. The participants presented papers with multidisciplinary approaches, covering topics ranging from geothermal energy to climate change, sustainable development, and inclusive and equitable education, to highlight the significance and future of basic sciences in their respective countries and within the context of science academies. The symposium consisted of four sessions and was attended by numerous scientists from science academies, science foundations, and universities from Russia, Romania, Montenegro, Belarus, Azerbaijan, Pakistan, Thailand, Morocco, and Türkiye, as well as TÜBİTAK President Prof. Dr. Hasan Mandal, Prof. Dr. Nihat Berker, Prof. Dr. Bilge Demirköz, and Prof. Dr. Sezgin Bakirdere.

In his opening speech, TÜBA President Prof. Dr. Muzaffer Şeker highlighted that the United Nations General Assembly designated the year 2023 as the International Year of Basic Sciences for Sustainable Development. He emphasized that universities, research centers, and science academies from around the world are organizing a range of activities at both national and international levels in line with this designation.

In the field of basic sciences, we are facing global difficulties.

Şeker stated that TÜBA organizes various events in the field of basic sciences,



and within this framework, they aim to highlight the importance of basic sciences for sustainable development and create awareness through thematic courses, such as an international summer school with the participation of 30 graduate students from different countries.

President Şeker continued as follows: “We planned this symposium as a scientific meeting focused on the main themes of the International Year of Basic Sciences for Sustainable Development in 2023. There are exciting possibilities in the field of basic sciences, and I believe this symposium is functional in discussing them. Among these possibilities, the important role that science academies, higher education institutions, academics, and scientists will play in shaping the environment of sustainability, in addition to scientific discoveries, is also included. Basic sciences form the foundation for innovation and progress in many fields, including technology, medicine, and engineering. Today, we have come together to discuss one of the most critical issues in science education, the future of basic sciences. While basic sciences have always formed the basis of scientific progress, we are faced with some significant global challenges that require urgent attention in this field. Firstly, rapidly advancing technology increases the cost of updating basic sciences themselves, the education

curriculum, and scientific research outputs. As a result, research in basic sciences tends to produce ineffective research outcomes. It is crucial to invest in education and training to ensure that scientists have the necessary knowledge and skills to stay informed about the latest developments in their fields. Otherwise, the current situation can lead to undesirable consequences over time, including loss of workforce, wasted time, and human capital flight. Additionally, there is an ongoing employment problem for graduates of basic sciences departments. This issue is a growing concern in many countries worldwide.”

Basic sciences have made a significant breakthrough in the modern era and have influenced every aspect of human life.

TÜBA Principal Member and AASSA President Prof. Dr. Ahmet Nuri Yurdusev stated that basic sciences have undergone a major advancement since the 17th century in the modern era and have impacted every area of human life. He said, “Science academies emerged and developed from the 17th century onwards. This is not a coincidence; it is an indication that science and science academies have contributed to each other’s development. Science academies contribute to the effective implementation and institutionalization of science. Basic sciences constitute the backbone of AASSA and its members,

who always prioritize sustainability and sustainable development goals. I am confident that this symposium will make a significant contribution in this regard. I would like to express my gratitude to all participants for their valuable contributions. I also extend my thanks to TÜBA President Prof. Muzaffer Şeker for organizing and hosting such a comprehensive symposium. I want to say that AASSA is always pleased to be in collaboration."

In his video message for the symposium, President Prof. Dr. Antonio Loprieno of ALLEA emphasized that the topic of the symposium reflects a paradigm shift that affects everyone globally, regardless of the continent it is held on or the potential differences in reading the world and its problems.

Our ultimate goal is to eventually make our World a better place.

Prof. Dr. Antonio Loprieno stated the following: "As scientists, we are aware of the importance of research being reliable and serving as a foundation for social and political decisions. As international scientists, we seek solutions through our fundamental research to improve our quality of life both materially and ethically. In this regard, academies bear great responsibility, and I applaud the decision of our Turkish colleagues to organize a symposium on the role of academies in better understanding the fundamental sciences. I cannot speak for the situation in Asia, but speaking for my own continent, I believe that the role our academies used to play as the "producers of scientific outcomes" was a typical

characteristic, but it has now changed. This producer role is now more often performed at the university level, with a greater focus on science communication at the societal level and, at the same time, on science advice at the national level and to a lesser extent at the international level. In my personal opinion, this shift in focus from science production to the representation of fundamental science makes our responsibilities as Science Academies even more significant in our civil societies. Our ultimate goal is to make our world a better place, and I am very happy about that. I apologize for not being personally informed about your views. On behalf of all your European colleagues, I extend my best wishes to all of you. I wish you an inspiring two days."

TÜBA Members Attend the European Climate Conference in Warsaw

The European Climate Conference (ECC), organized by the Polish Academy of Sciences (PAN) and the German National Academy of Sciences Leopoldina, took place in Warsaw, the capital of Poland, from May 15th to 17th, 2023. Representing TÜBA, Prof. Dr. Mehmet Emin Aydın (Executive Director of the TÜBA Environment, Biodiversity, and Climate Change Working Group), Prof. Dr. İsmail Koyuncu (TÜBA Full Member and Rector of Istanbul Technical University), and Dr. Mürsel Doğrul (Turkish Young Academy Representative) attended the conference.

Prof. Dr. Aydın emphasized the significance of the ECC in comprehensively addressing climate change from various perspectives, stating, "Given the rapid depletion of natural resources worldwide, it is crucial to foster collaboration through practical and solution-oriented scientific studies, rapid information exchange, and a holistic, interdisciplinary approach." During the conference, the TÜBA delegation presented the book

"G8-G20 Joint Statements from Science

Academies to World Leaders" to Prof. Dr. Marek Konarzewski (President of the PAN) and Prof. Dr. Jerzy Duszynski (Former President of the PAN), as well as Prof. Dr. Gerald Hau (President of Leopoldina).

Prof. Dr. İsmail Koyuncu, a distinguished member of the TÜBA Working Group on Environment, Biodiversity, and Climate Change, made a significant contribution to the conference by leading a roundtable session titled "Regional Diversity in Climate Change: Policy and Business." With his expertise in infrastructure management, waste management, environmental engineering and technology, water supply, treatment, and pollution, Prof. Dr. Koyuncu provided valuable insights into various aspects of climate change. The session explored crucial topics such as sectoral shifts in the business world, agriculture and agricultural land use, industry and energy, water and ecosystems, infrastructure mobilization, as well as emerging risks stemming from climate change in Europe.



The conference served as a platform for leading experts from across Europe, representatives of national academies, and global scientific organizations to share the latest climate research findings and insights while exploring sectoral transformations and changes within a business context. Recognizing Europe's regional diversity, the ECC aimed to bridge the gap between interdisciplinary research and society, taking into account the regionally diverse approaches to climate change. Additionally, the conference organizers plan to publish a document containing scientific recommendations to enhance public understanding of climate change.

World Azerbaijan Scientists Forum

A preparatory meeting for the World Azerbaijan Scientists Forum was held in Istanbul. TÜBA Principal Member, Rector of Istanbul Sabahattin Zaim University Prof. Dr. Ahmet Cevat Acar attended the meeting on behalf of TÜBA President Prof. Dr. Muzaffer Şeker. The event brought together Azerbaijani scientists from different countries, with 20 scientists attending the meeting in person from Türkiye, the United States, France, Canada, Germany, Austria, Kazakhstan, Kyrgyzstan, Russia, Georgia, South Korea, Estonia, Sweden, and Egypt. Additionally, four scientists from China, Japan, Oman, and Saudi Arabia participated in the meeting online. Prof. Acar, a member of the TÜBA Council, emphasized the importance of collaboration between Turkish and Azerbaijani scholars worldwide,



highlighting that the significance of this cooperation has been better understood in recent times. During the program, Fuad Muradov, Chairman of the State Committee on Work with Diaspora, emphasized the importance of the meeting and recalled the advice of Azerbaijani President İlham Aliyev to unite the efforts of Azerbaijani scientists living abroad during the World Victory Congress. He stated that this meeting

would clarify the set major goals, and highlighted the role of Azerbaijani scientists and compatriots living in other countries in conveying the true voice of Azerbaijan to the international community and contributing to the struggle for the rights of compatriots in Southern Azerbaijan. He emphasized the importance of organizing and coordinating activities in this regard.

President Şeker Attends Haydar Aliyev's 100th Birth Anniversary Meeting

Prof. Dr. Muzaffer Şeker, the President of TÜBA, attended the meeting commemorating the 100th birth anniversary of Haydar Aliyev, held in Baku upon the invitation of the Azerbaijan National Academy of Sciences.



As part of the "Haydar Aliyev Year," President Şeker participated in a special session dedicated to the 100th birth anniversary of Haydar Aliyev during the General Assembly of the Azerbaijan National Academy of Sciences. The program was attended by members of the Azerbaijan National Academy of Sciences, scientists, public officials, and national and international scholars.

In his speech at the meeting, which was opened by the President of the Azerbaijan National Academy of Sciences, İsa Habibbeyli, President Şeker talked about "Azerbaijan-Türkiye Unity and Togetherness: History and Modernity."

He expressed that Haydar Aliyev had an indelible impact on Azerbaijan's history and was an extraordinary statesman. President Şeker stated that he was honored to be present with scientists on the occasion of Haydar Aliyev's 100th birth anniversary. Emphasizing the importance of reflecting on the unity and togetherness between Azerbaijan and Türkiye, he highlighted that the two nations share a deep history and a common culture, and their friendship and partnership have grown stronger over time. President Şeker stated that Azerbaijan and Türkiye have a strong strategic partnership covering various

areas, from energy and transportation to defense and security. He emphasized that the cooperation between the two countries is stronger than ever and both nations are committed to further deepening it.

Prof. Şeker said, "Our relations have continued to develop in the modern era, and we are committed to working together to promote peace, stability, and prosperity in our region and beyond. The Karabakh issue is just one example of our joint efforts to support each other, and we will continue to stand together in the face of any challenges that lie ahead. In conclusion, I would like to say that we will continue to stand together in our determination to build a brighter future for all our peoples. As we honor the legacy of Haydar Aliyev today, let us also remember the importance of unity and togetherness in shaping the destiny of our great nations."

Young Turkologists International Summer School



“Young Turkologists” summer school was organized by the Turkic Academy with the support of TÜBA and Kyrgyzstan-Türkiye Manas University in Bishkek, the capital of Kyrgyzstan.

The Summer School was opened with the speeches of TÜBA President Prof. Dr. Muzaffer Şeker, President of the Turkic Academy Prof. Dr. Şahin Mustafayev, Rector of Manas University Prof. Dr. Alpaslan Ceylan and Vice-Rector of Manas University Dr. Baktıgül Kalambekova.

The program at the campus of Kyrgyzstan-Türkiye Manas University was attended by 30 Turkologists from different countries residing in Azerbaijan, Bosnia and Herzegovina, Kazakhstan, Kyrgyzstan, North Macedonia, Hungary, Mongolia, Uzbekistan, Türkiye, Turkmenistan, Northern Cyprus, Bashkortostan, Tatarstan, who are under the age of 35 and have at least a master's degree, a PhD or have completed their doctorate.

The 2023 TÜBA Summer School was designed to emphasize the importance of Turkology research for the Turkic states, Turkic peoples, and the research community. The program covered various topics including the Concept of the Turkic World, the History of the Turkic States, Archaeology of the Turkic World, Art and Intellectual History of the Turkic World, Turkic Languages and General Features of Contemporary Turkic Languages, Turkic World Mythology, and Epic and Legends of the Turkic World. The lectures were delivered in Turkish by academicians from internationally renowned Turkic republics. The 6-day program included daily lectures as well as study groups, supplementary seminars, and social events. At the end of the program, participants were awarded certificates.

TÜBA President Şeker recalled that TÜBA has been organizing thematic summer schools focusing on Turkic Republics, the Balkans, and the Middle East for a long time. He stated that

these summer schools, conducted with a rich team of academicians, have been highly productive as evaluated by the participants from the very beginning. He mentioned that the decision to hold the Summer School in Bishkek was jointly made by the President of the Turkic Academy, Prof. Dr. Şahin Mustafayev, and the Rector of Manas University, Prof. Dr. Alpaslan Ceylan. He said that such meetings are planned as events that will reinforce brotherhood and unity, keep the common culture alive and ensure that it is passed on to future generations. He underlined that the Summer School serves this exact mission. Expressing gratitude to the academicians who participated in the Summer School with dedication, some of whom joined online due to circumstances while others made a long journey by adjusting their schedules, Şeker stated that they aim to ensure the continuity of the Summer School tradition and see the outcomes of the education is motivating for this continuity.

TÜBA Turkish-Romanian Joint Military History Symposium

TÜBA, in collaboration with the National Defense University and the Institute for Defense Policy Studies and Military History, organized the Turkish-Romanian Joint Military History Symposium. The symposium program commenced with speeches by TÜBA President Prof. Dr. Muzaffer Şeker, Vice-Rector Rear Admiral Mevlüt Savaş Bilican from the National Defense University, Carmen-Sorina Rijnoveanu from the Institute for Defense Policy Studies and Military History, and Gültekin Yıldız, the Dean of the Land Forces Academy.

In his opening remarks, President Şeker expressed his honor to address an esteemed audience and conveyed his satisfaction with the Academy's partnership in the symposium. President Şeker stated, "The symposium analyzed common points in our military histories and provided a broader perspective on regional dynamics and factors influencing the existence and transformation of both nations. Through the exploration of shared military experiences and the discovery of leaders shaping the course of wars and events, we have uncovered the details that connect us to each other."

During the opening session of the symposium, Dean Gültekin Yıldız presided over the proceedings. The following speakers delivered presentations under various topics: Alexandru Madgearu spoke on "The End of the Golden Horde's Domination in the Territory between the Carpathians and the Dniester," Ovidiu Cristea discussed "The Ottoman Empire against Moldavia (1473-1538): An Unbalanced Clash," Bülent Durgun presented on "Austrian-Ottoman Alliance in the Deathbed and Romanian Front," and Carmen-Sorina Rijnoveanu addressed "Romanian-Turkish Military Relations in 1939: The Challenges of the Black Sea Status Quo."



The first session of the program was moderated by Emanuel Ploeanu. Marian Coman spoke about "The Battle for the Throne: Wallachian Pretenders and Ottoman Troops (early 15th - early 17th century)," Ümmü Gülsüm Filiz Bayram discussed "Bucharest and Iaşi Occupations in the 18th Century in the Context of the 1768 Russian invasion of Bucharest," Silvana Rachieru presented on "The Military Approach to Romanian-Ottoman Diplomatic Relations (1878-1916)," and Hamza Bilgü talked about "(Retd.) Staff Colonel Kenan Kocatürk's Military Attaché Duty in Bucharest during World War II."

Bülent Durgun chaired the second session. Claudiu Lucian Topor presented on "A Troublesome Alliance in a Coalition War: The Ottoman Empire and the Belligerence with Romania (1916-1918)," Metin Ömer discussed "Threat or Factor of Stability? The Perception of Romanian Diplomacy on the Military Developments in Interwar Türkiye," Emanuel Ploeanu spoke about "Turkish-Romanian Relations in the Interwar Period: From Mistrust to Understanding," and Demet Aktepe presented on "A Bogdanian Beg in the Ottoman Empire: Dimitrie Cantemir."

On the second day of the symposium, Carmen-Sorina Rijnoveanu chaired the first session. Silvan Ionescu presented on "A Short Pictorial History of the Crimean War," Serban-Filip Cioculescu discussed "The Romanian Principalities and the Crimean War: Interests and Visions in the Theory of International Relations," Bogdan Ceobanu spoke about "Between the Russian Empire and the Ottoman Empire: Romanian Foreign Policy in the late 1876," and Hakkı Öz presented on "Romania and the Turkish Straits: Romania Military Equipment Passing Through the Straits Between 1880-1908."

In the second session led by Alexandru Madgearu, Perihan Karademir presented on "Military Activities of the Mongol Empire in the Geography of Romania: 1241 the Western Expansion of the Mongols," Ovidiu Cristea discussed "Wallachia and Moldavia's Involvement in the Ottoman Campaigns," and Bogdan Popa presented on "Defense into Offensive: The Romanian Army at the Beginning of the 20th century." Following each session, questions were answered.

President Şeker Speaks at the International Forum

TÜBA, in collaboration with the National Defense University and the Institute for Defense Policy Studies and Military History, organized the Turkish-Romanian Joint Military History Symposium. The symposium program commenced with speeches by TÜBA President Prof. Dr. Muzaffer Şeker, Vice-Rector Rear Admiral Mevlüt Savaş Bilican from the National Defense University, Carmen-Sorina Rijnoveanu from the Institute for Defense Policy Studies and Military History, and Gültekin Yıldız, the Dean of the Land Forces Academy.

In his opening remarks, President Şeker expressed his honor to address an esteemed audience and conveyed his satisfaction with the Academy's partnership in the symposium. President Şeker stated, "The symposium analyzed common points in our military histories and provided a broader perspective on regional dynamics and factors influencing the existence and transformation of both nations. Through the exploration of shared military experiences and the discovery of leaders shaping the course of wars and events, we have uncovered the details that connect us to each other."

During the opening session of the symposium, Dean Gültekin Yıldız presided over the proceedings. The following speakers delivered presentations under various topics: Alexandru Madgearu spoke on "The End of the Golden Horde's Domination in the Territory between the Carpathians and the Dniester," Ovidiu Cristea discussed "The Ottoman Empire against Moldavia (1473-1538): An Unbalanced Clash," Bülent Durgun presented on "Austrian-Ottoman Alliance in the Deathbed and Romanian Front," and Carmen-Sorina Rijnoveanu addressed "Romanian-Turkish Military Relations in 1939: The Challenges of the Black Sea Status Quo."



The first session of the program was moderated by Emanuel Plopeanu. Marian Coman spoke about "The Battle for the Throne: Wallachian Pretenders and Ottoman Troops (early 15th - early 17th century)," Ümmü Gülsüm Filiz Bayram discussed "Bucharest and Iași Occupations in the 18th Century in the Context of the 1768 Russian invasion of Bucharest," Silvana Rachieru presented on "The Military Approach to Romanian-Ottoman Diplomatic Relations (1878-1916)," and Hamza Bilgü talked about "(Retd.) Staff Colonel Kenan Kocatürk's Military Attaché Duty in Bucharest during World War II."

Bülent Durgun chaired the second session. Claudiu Lucian Topor presented on "A Troublesome Alliance in a Coalition War: The Ottoman Empire and the Belligerence with Romania (1916-1918)," Metin Ömer discussed "Threat or Factor of Stability? The Perception of Romanian Diplomacy on the Military Developments in Interwar Türkiye," Emanuel Plopeanu spoke about "Turkish-Romanian Relations in the Interwar Period: From Mistrust to Understanding," and Demet Aktepe presented on "A Bogdanian Beg in the Ottoman Empire: Dimitrie Cantemir."

On the second day of the symposium, Carmen-Sorina Rijnoveanu chaired the first session. Silvan Ionescu presented on "A Short Pictorial History of the Crimean War," Serban-Filip Cioculescu discussed "The Romanian Principalities and the Crimean War: Interests and Visions in the Theory of International Relations," Bogdan Ceobanu spoke about "Between the Russian Empire and the Ottoman Empire: Romanian Foreign Policy in the late 1876," and Hakkı Öz presented on "Romania and the Turkish Straits: Romania Military Equipment Passing Through the Straits Between 1880-1908."

In the second session led by Alexandru Madgearu, Perihan Karademir presented on "Military Activities of the Mongol Empire in the Geography of Romania: 1241 the Western Expansion of the Mongols," Ovidiu Cristea discussed "Wallachia and Moldavia's Involvement in the Ottoman Campaigns," and Bogdan Popa presented on "Defense into Offensive: The Romanian Army at the Beginning of the 20th century." Following each session, questions were answered.

AASSA Meeting on Scientific Literacy in the Digital Age

At the AASSA (Association of Academies and Societies of Sciences in Asia) and Indonesian Academy of Sciences joint meeting on Scientific Literacy in the Digital Age, chaired by TÜBA (Turkish Academy of Sciences) Full Member Prof. Dr. Ahmet Nuri Yurdusev, TÜBA was represented by Academy Full/Council Member Prof. Dr. Mehmet Emin Aydın.

The meeting, held in the Indonesian capital Jakarta, was attended by government representatives, international organizations and associations, researchers, educators, and civil society organizations from various disciplines. The opening remarks were delivered by AASSA President Prof. Yurdusev and AASSA Vice President and President of the Indonesian Academy of Sciences Prof. Dr. Satryo Soemantri.

Prof. Dr. Yurdusev emphasized the ongoing importance of scientific literacy for society in his speech. Highlighting that science and its outcomes have become widely accessible to everyone, Yurdusev mentioned the extraordinary



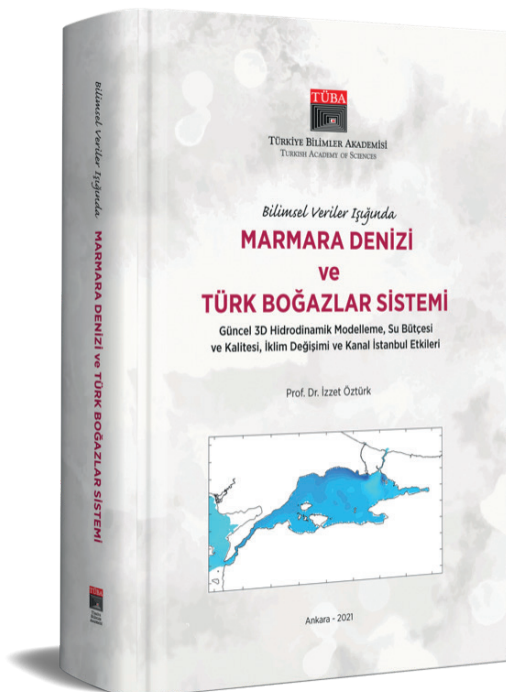
opportunities presented by digital transformation in terms of learning, communication, and access to science.

In the first session of the meeting, titled "Digital Transformations in Universities – Experiences in Türkiye," Prof. Dr. Mehmet Emin Aydın, a member of the AASSA SHARE (Science, Health, Agriculture, Risk, and Environment) Communication Committee, stated that the transformation has had significant impacts on all aspects of

life, particularly since the year 2000. He underlined that life has become unimaginable without the support of digital technologies and emphasized the need for nations, businesses, and universities to have adaptation plans for digital transformations.

The two-day meeting explored various aspects of scientific literacy in the digital age. It shed light on the subject and the challenges encountered, contributing to existing practices in science and society.

The Turkish Straits System, consisting of the Bosphorus and Dardanelles straits along with the Marmara Sea, has been formed ~7500 years ago, and is considered to be unique with its two-layered current structure. This book titled as "The Marmara Sea and the Turkish Straits System" has been prepared with the purpose of being an original source based on current scientific & environmental data supported by hydro-dynamic modeling outputs for the university students of the environment, civil, meteorological engineering, and marine sciences departments, as well as colleagues who are interested in this field. In this book, which consists of a total of 7 chapters, various books, projects, technical reports, scientific articles, and papers related to the subject were examined to be compared with the results obtained by the 3D hydrodynamic modeling specific to the study. The Turkish Straits System has been modeled with high resolution Delft 3D HD software to cover the whole of the Black Sea and the North Aegean regions as well. In Chapter 1 of the book, the geological, geographical, hydrographic, hydrological, and oceanographic features of the Turkish Straits System, along with Marmara and Black Seas are explained. Chapter 2 is devoted to the history of the idea of treated wastewater discharge into the Bosphorus and the explanation of its engineering basis. In Chapter 3, the results of recent water quality studies conducted in the Bosphorus, the Golden Horn and northern Marmara are presented. Chapter 4 examines thoroughly the environmental effects at the Marmara and Black Sea regions regarding the high-flow treated wastewater discharges from Istanbul to the Bosphorus entrance and bottom, and pollutant transports to the Bosphorus originating from the Black Sea. Chapter 6 is devoted to the results of the 3D HD Modeling work carried out for the Turkish Straits System specific to this book, including the possible Channel Istanbul (CI) scenarios. In Chapter 7, the hydrodynamic structure predicted to occur after CI at the Marmara Sea and Turkish Straits System, and the possible effects of this new phenomenon on the water budget, oceanographic structure, water quality and ecological status (taking into account the climate change predictions to a certain extent) are discussed. In this book, rational engineering analyzes based on reliable and consistent scientific data and environmental findings have been carried out, and utmost care was given to avoid subjective and speculative evaluations.



President Şeker Participated in Uzbekistan International Forum



At the invitation of the World Society for the Study, Preservation and Popularization of the Cultural Legacy of Uzbekistan, President Şeker attended the forum “Historical Personalities of Uzbekistan and Their Contribution to the Development of World Civilization”.

President Şeker was accompanied by Presidential Advisor Assoc. Prof. Dr. Cem Korkut at the event organized by the World Society for the Study, Preservation and Popularization of the Cultural Legacy of Uzbekistan and the Ministry of Culture and Tourism of the Republic of Uzbekistan in Tashkent, Samarkand and Bukhara with over a thousand participants and guests from 60 countries.

Emphasizing that the meeting was very productive, President Şeker expressed his satisfaction with getting to know the cultural world of Uzbekistan closely. He said that such meetings pave the way for joint programs and projects with our heart geography and bring us closer to each other. At the opening of the “Timur Period Masterpieces” exhibition, President Şeker talked about the contributions of Turkish-Islamic

world scientists to science and gave information about the works published by TÜBA within the scope of the Turkish Islamic Science Culture Heritage Project. During the week in Tashkent museums, he followed many exhibitions of Timur-era cultural heritage preserved in Uzbekistan, masterpieces of applied folk art and avant-garde paintings. Visits were made to museums and libraries of Uzbekistan. President Şeker also made a presentation at the “Kushan Gold” exhibition, which featured a number of masterpieces. As part of the exhibition, a book-album was presented and the documentary “Treasures of the Kushan Kingdom” was premiered.

Şeker also visited the exhibition “Masterpieces of Applied Art of Uzbekistan” at the State Historical Museum of Uzbekistan and examined national costumes, fabrics, headdresses, copper ornaments and ceramics from the collections of applied art in the “Ethnography” section of the museum. In addition, as part of the event, Elmira Gyul presented “Terms of Traditional Art of Uzbekistan: An

Artistic Encyclopedia” by Elmira Gyul and participated in a round table discussion titled “Masterpieces of Applied Art of Uzbekistan in World Collections”. At the academic roundtable held prior to the exhibition, speakers, including Eastern scholars and museum professionals, exchanged information on the role and legacy of Timur (known as Tamerlane in Western sources) and his descendants in world history, and the contribution of Uzbek scholars and prominent figures of the Turkic world to the development of the Turkic world.

At the exhibition titled “Turkistan Avant-Garde: Between Space and Time” at the Fine Arts Gallery where Dr. Korkut also spoke, the Minister of Culture of Uzbekistan, Ozodbek Nazarbekov, and the Chairman of the World Society for the Study, Preservation and Popularization of the Cultural Legacy of Uzbekistan, Firdavs Abdukhalikov, were also present. The speakers highlighted that today Uzbekistan is laying the foundations of the Third Renaissance and that cultural heritage is becoming increasingly popular and recognized both within our country and abroad.

President Şeker and Dr. Korkut visited the Abu Rayhan Beruni Institute of Oriental Studies of the Uzbekistan Academy of Sciences as part of the program. They met with the Minister of Civilization and Culture of Uzbekistan, Ozodbek Axmadovich Nazarbekov, and the Uzbekistan Academy of Sciences Deputy Chairman, Bakhrom Abdukhalimov.

Workshop on Institutionalizing Science Advice to Governments by AASSA and the National Academy of Sciences of Sri LankaInternational Forum

At the workshop on “Institutionalizing Science Advice to Governments” organized by the Association of Academies and Societies of Sciences in Asia (AASSA) and the National Academy of Sciences of Sri Lanka (NASSL), chaired by TÜBA Principal Member Prof. Dr. Ahmet Nuri Yurdusev, TÜBA was represented by Academy Senior Advisor Dr. Musab Talha Akpınar.

The workshop, held in Colombo, the capital of Sri Lanka, was attended by presidents of science academies, government representatives, international organizations and associations, researchers, educators, and civil society organizations from various disciplines. The opening remarks were given by AASSA President Prof. Yurdusev and President of the National Academy of Sciences of Sri Lanka Prof. Dr. Nadira Karunaweera.

Prof. Dr. Yurdusev emphasized the importance of science academies providing recommendations and support to governments and politicians. He stated that the workshop examined the institutionalization of science and

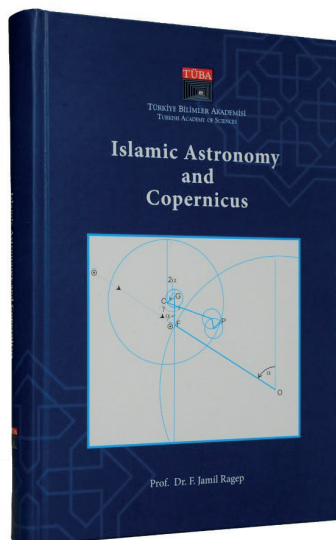


various aspects of science advice, and the detailed discussions would shed light on important issues, illuminate many prominent problems, and ultimately contribute to institutionalization.

In the second session of the meeting, Dr. Musab Talha Akpınar, a faculty member at Ankara Yıldırım Beyazıt University, gave a presentation titled “Situation Analysis of Science Advice to Governments in Türkiye.” He highlighted the importance of institutionalization and the contributions of TÜBA, TÜBİTAK (The Scientific and Technological Research Council of Türkiye), and the Presidency of the Republic of Türkiye’s Board of

Science, Technology, and Innovation Policies in terms of policy-making. He also emphasized the significance of the government establishing and supporting scientific institutions and consulting with scientists for administrative decisions in the modern age.

Academies from 10 different Asian countries delivered their presentations during the workshop. The exchange of information during the meeting delved into the institutionalization of science academies and science advice, examined the challenges in this area, sought answers to questions, and contributed to existing practices in science and society.



Bringing together fifteen articles that have been published by F. Jamil Ragep over the last four decades, this volume offers fresh insights and a deeper understanding of how Islamic astronomical and scientific traditions influenced the emergence of the Copernican heliocentric system. These articles not only provide new technical and contentbased evidence regarding the Islamic background to Copernicus, but also highlight the importance of studying scientific and historical contexts in which Islamic astronomy could find its way into medieval and early modern European intellectual and cultural settings. Raising new questions and contributing solid research through the examination of various Islamic, Latin, and Greek scientific texts, Ragep's articles will be useful for anyone interested in engaging in the study of the Islamic- Copernicus connection from a broader multicultural perspective.

Earthquake Support from Academies of the World to Turkey



Prof. Dr. Muzaffer ŞEKER
President
Turkish Academy of Sciences

Dear Mr. President,

We have learnt with deep sorrow about the tragedy of Türkiye and of the Syrian Arab Republic earthquakes that struck the region on February 6, 2023.

On behalf of the Romanian Academy, I would like to express my heartfelt condolences and sympathy on the catastrophic loss of lives and the bereaved and to the people who have been affected by the earthquake.

Our thoughts and prayers are with those who have been injured and to the people who have been affected by the earthquake. We wish those injured a swift recovery and the bereaved a peaceful journey.

I trust that, as well as good times unite us, difficult moments strengthen in times of grief and sorrow.

Yours sincerely,

Prof. Ioan-Aurel Pop
President of the Romanian Academy

Romanian Academy: 122 Calea Victoriei
Phone: +40 21 312 27 00, fax: +40 21 312 02



February 27, 2023

Dear Prof. Dr. Muzaffer Şeker,
President, Turkish Academy of Sciences
On behalf of myself and my colleagues in the Academy of Sciences, I express my heartfelt condolences and sympathy on the catastrophic loss of lives and the bereaved and to the people who have been affected by the earthquake of February 6, 2023, in Southern Turkey.

I express the readiness of our Academy for the exchange of earthquake science between two countries.

In sympathy,

Prof. Raza Davran Arslan
President

Academy of Sciences and Arts
Bul. K. Vukobratovića 1
11000 Belgrade
Phone: +381 11 266 5712, fax: +381 11 266 5713
http://www.sau.ac.rs



President
Academician Dragan K. Vukobratović
No. 02-249

Prof. Dr. Muzaffer ŞEKER
President
Turkish Academy of Sciences
Piyade Sokak No. 27; 06690 - Çankaya, Ankara
Türkiye

Dear President Şeker,

On behalf of the members of the Mar and on my personal behalf, I express my condolences caused by a catastrophic earthquake in the range of our utmost possibility that may be of help to the Turkish Academy.

Sincerely yours,



Macedonian Academy of Sciences and Arts
Bul. Krste Misirkov 2, P.O. Box 128
1000 Skopje, RM Macedonia
Tel.: +389 2 3235 400; Fax: +389 2 3235 500
e-mail: mma@mam.edu.mk

Prof. Muzaffer Şeker
President
Turkish Academy of Sciences

Dear Prof. Şeker,

With sadness and disbelief we learned about the tragic earthquake which struck Turkey and its neighbors.

On this tragic occasion, on behalf of the Macedonian Academy of Sciences and Arts we would like to express our deepest sympathies to you and to the Turkish people.

Acad. Zivko Popov
Vice President

Acad. Garanfer Bayram
Vice President

Skopje, 6.2.2023



PR-14/2023

Prof. Dr. Muzaffer Şeker
President
Turkish Academy of Sciences (TÜBA)

Dear Prof. Dr. Muzaffer Şeker,

I was very pleased to meet you at the 530 Incep Puducherry, India. I was positively impressed by the meeting will be able to produce a high-level document with governments and societies.

Back to São Paulo, I read the news on the earthquake, causing many losses and suffering. I was following the stories that I saw and with much sorrow I am witnessing the pain of those impacted by this tragedy.

I hope that you and those that are dear to you, solidarity, wishing you and the Turkish people at this moment, I am sure that, despite all the difficulties, TÜBA be active, helping to reconstruct what has great future for your country.

If you feel that the Brazilian Academy of Sciences scientific support to assist in the rescue efforts and know and we will do our best to do whatever is with

Best regards,

Helena Borciani
President
Brazilian Academy of Sciences

Rua Aníbal de Carvalho, 29 - 3º andar - Centro
Tel.: +55 21 3907-8100 |



Rio de

February 08, 2023 № 16029/1-2

Prof. Dr. Muzaffer Şeker
President
Turkish Academy of Sciences (TÜBA)

Dear Prof. Dr. Muzaffer Şeker,

It was with heartfelt sorrow, that we received the news about the earthquake that struck Turkey. Far Eastern Branch of Russian Academy of Sciences at deepest condolences to the Turkish Academy of Sciences at the earthquake that struck Turkey on February 6, 2023.

This is a terrible tragedy and as we heard from news, the rescuers to assist Turkey in the aftermath of earthquake and

We wish a speedy recovery to all those affected by the research of natural disasters such as earthquakes and tragedies in the future.

With all the sympathy,

Prof. Dr. Yury KULCHIN
Academician Far Eastern Branch of the Russian Academy of Sciences
President of Far Eastern Branch of the Russian Academy of Sciences



International
Science Council
The global voice for science

From the President and CEO

Prof. Dr. Muzaffer Şeker
President
Turkish Academy of Sciences (TÜBA)

Dear Prof. Dr. Muzaffer Şeker,

We are profoundly saddened by the news of the devastating earthquake that struck Turkey. We send our deepest condolences to those who have lost loved ones and to the people who have been affected by the earthquake. We are ready to assist in any way possible.

With sincere regards, on behalf of the ISC Governing Board,

Peter Gluckman
President, International Science Council

Salvatore
Chief Ex

EÖTVÖS LORÁND RESEARCH NETWORK SECRETARIAT
PRESIDENT
Ref. nr.: 192/2023/NK

Prof. Dr. Muzaffer ŞEKER
President
TÜBA, Turkish Academy of Sciences
Bayraktar Mah. Vedat Dalokay Cad.
No: 112, 06670
Çankaya/Ankara
Türkiye

Subject: Condolences

Dear President Şeker,

It was with deep shock and regret that we learned of the devastating earthquakes of historic magnitude causing tremendous loss of life and infrastructure damage. On this sad occasion, I would like to reassure you that the Hungarian scientific community is unwavering in its support and ready to assist in any way possible.

On behalf of the ELKH Research Network and Secretariat please accept our sincere condolences and deepest sympathies for the families of the victims. At this difficult time of tragedy, our thoughts and prayers are with Turkey.

Sincerely yours,

Miklós Mészáros
President
Eötvös Loránd Research Network

The International Science Council (ISC) is a not-for-profit organization that brings together 40 international and regional scientific organizations

5 rue Auguste Vacquerie, 75116, Paris, France |

Registered Office: 1052 Budapest,
Pilis utca 4.

Postal address: 1241 Budapest, Pf. 39.
Website: www.elkh.org

Phone: +36 30 155 9978
E-mail: elkh@elkh.org

UAI's Earthquake Support to TÜBA

The Union of International Academies (Union Académique Internationale-UAI), the umbrella organization of which TÜBA has been a member since 2006, has provided financial support to TÜBA following the earthquake in Kahramanmaraş.

In addition to the aid sent to Turkey from all over the world due to the earthquake disaster that occurred in 11 provinces centered in Kahramanmaraş on February 6, there are many messages of support from the national academies and umbrella organizations of many countries to TÜBA.

One of these is UAI, which has more than a hundred academies from 63 countries and all continents as members. As an umbrella organization of national academies in the fields of humanities and social sciences, UAI provided financial assistance to support the Turkish academy.



Adresse de facturation

Türkiye Bilimler Akademisi
Piyade Sokak No: 27
06690 Çankaya
Ankara
TURQUIE

FACTURE	
Numéro de facture	UAI/2023-053
Date	07-02-2023
Remarque	Cotisation - Membership fee
Total	
Cotisation - Membership fee 2023	1.282,00 €
Total	
	1.282,00

Mode de paiement : par virement bancaire uniquement.

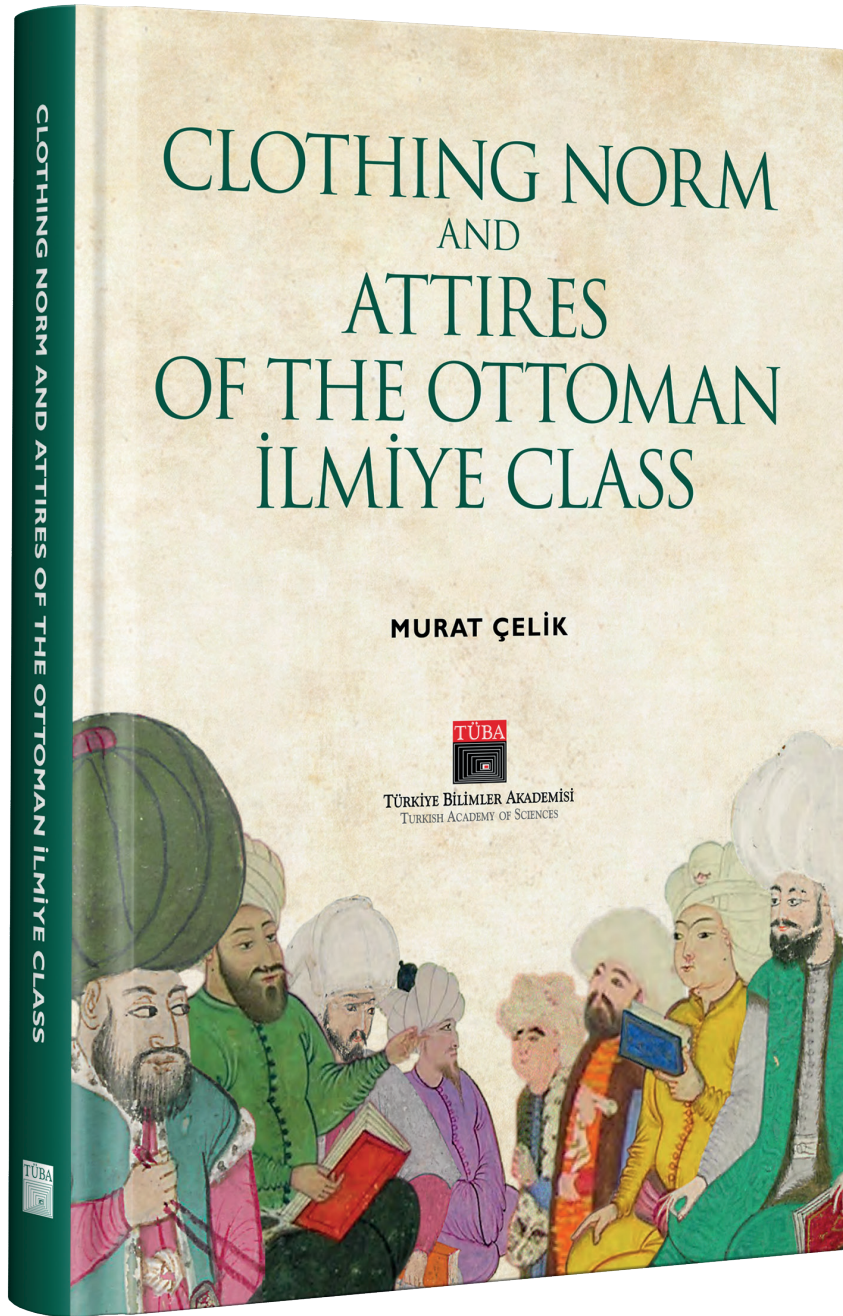
Veillez veiller à rappeler le numéro de facture en communication.

Les frais sont à charge du donneur d'ordre.

Cordialement

Union Académique Internationale
Palais des Académies
Rue Ducale 1, B-1000 Bruxelles
Belgique
00 32 (2) 421 73 08
isabelle.algrain@unionacademique.org

Détails bancaires
IBAN BE60 1030 2109 7770
BIC NICABEBB
Banque : CRELAN
L'Union Académique Internationale n'est pas assujettie à la TVA
N° d'entreprise : 0410.810.638



A New Perspective on the History of Ottoman Education

“The Dress Norm and Clothes of the Ottoman İlmîye Class” prepared by Murat Çelik, Faculty member is published under “Series for Scientific Thought” of TÜBA. The visuals in the work, which is the first book in which the clothes of the Ottoman İlmîye class are discussed within the framework of the history of education, are obtained from manuscript sources in Turkish and foreign collections and are associated for the first time in a study in which the clothes of the İlmîye class are included. Although the Dress Norm and Clothing of the Ottoman İlmîye Class is focused specifically on the years 1450-1650, it covers Ottoman history in general.

TÜBA member Prof. Dr. Ahmet Nuri Yurdusev elected as InterAcademy Partnership Board Member



Prof. Dr. Ahmet Nuri Yurdusev, a Principal Member of TÜBA, has been elected as a Board Member of the InterAcademy Partnership (IAP) Election Committee.

As a METU faculty member, President of The Association of Academies and Societies of Sciences in Asia (AASSA), and former IAP Advisory Board Member, Prof. Yurdusev has assumed his position among the management board members of IAP's regional networks. IAP places importance on regional representation, and accordingly, the 10-member Board consists of 6 members from the steering committee and 4 as regional network representatives.

TÜBA member Prof. Dr. Ziya Öniş receives "Outstanding Achievement Award"

TÜBA Principal Member Prof. Dr. Ziya Öniş was presented with the "Outstanding Achievement Award" during a ceremony held as part of the 18th Kadir Has Awards.



The designated field of study for the year 2023 was "Sustainable Economy in the World," focusing on the problems created by the economic systems that emerged after the pandemic and their global impact. The "Outstanding Achievement" and "Promising Scientist" awards were given to researchers who have made significant contributions to research in this field.

Prof. Dr. Ziya Öniş was recognized with the "Outstanding Achievement Award" by the Evaluation Committee of the 18th Kadir Has Awards for his groundbreaking

and innovative work on developmental state and global political economy, the political economy of development, the future of globalization and democracy, comparative political economy of emerging powers, European and Turkish policies, as well as his original lectures and contributions to the field.

TÜBA Member Prof. Arslan Receives Medal from NAI



Prof. Dr. Hüseyin Arslan, TÜBA Full Member and Dean of the Faculty of Engineering and Natural Sciences at Istanbul Medipol University was

presented with his medal at a ceremony held in Washington, DC, as one of the 169 academic inventors selected by the US National Academy of Inventors (NAI).

NAI's Medal Ceremony was held in Washington, D.C., where NAI announced the academics of the year who have made outstanding discoveries on quality of life, economic development and the well-being of society. The winner of the medal, Prof. Arslan has more than 100 patents and applications in areas such as physical layer algorithms, waveform design, cognitive radio, spectrum sensing and wireless communication security, and more than 10 patents have been licensed to various companies.

TÜBA Member Dr. Metin, New Position in the Federation of Asian Chemical Societies

Associate Member of TÜBA and Faculty Member at Koç University, Assoc. Prof. Dr. Önder Metin, has taken on the role of

Secretary-General of the Federation of Asian Chemical Societies (FACS).

Dr. Metin will serve in this position within the federation, consisting of 32 chemical



societies from countries and regions across the Asia-Pacific, for a term of 2 years.

TÜBA GEBİP member Prof. Nilüfer Didiş Körhasan receives "Humboldt Research Fellowship for Experienced Researchers" Award



Prof. Dr. Nilüfer Didiş Körhasan, a member of TÜBA GEBİP and a faculty member at Zonguldak Bülent Ecevit University, has been awarded the Humboldt Research

Fellowship for Experienced Researchers by the Alexander von Humboldt Foundation, one of the most prestigious scientific support organizations in the world.

Under this award, Prof. Körhasan will conduct collaborative scientific research on Quantum Physics Education at the Physics Department of the Technische Universität Dresden, which is among the world's leading universities, promoting international academic cooperation among successful scientists.

TÜBA-GEBİP member Prof. Yetilmezsoy has been elected to the Editorial Board of the ACAE (Advances in Civil and Architectural Engineering) Journal.

TÜBA-GEBİP member and Associate Professor Dr. Kaan Yetilmezsoy from the Department of Environmental Engineering at Yıldız

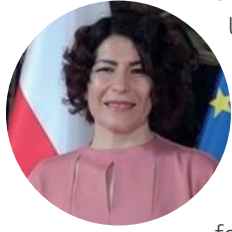


Technical University has been selected as a member of the Editorial Board of the "Advances in Civil and Architectural Engineering (ACAE)" journal.

Prof. Yetilmezsoy mentioned that he was the only researcher selected from Türkiye for the journal. He also stated that ACAE, which is indexed in renowned databases

worldwide such as Web of Science, CAB Abstracts, INSPEC, DOAJ, Applied Science & Technology Source, and Hrčak, is supported by the Ministry of Science and Education of Croatia.

Young Academy Member Prof. Üstüner, Polonya Dışişleri Bakanlığında Ödülünü Aldı



Prof. Dr. Hacer Topaktaş Üstüner's book "Polonezköy 180 Years of History" was recognized as the best work on Polish history in a foreign language.

The award was presented to Prof. Topaktaş by the Polish Foreign Minister Prof. Dr. Zbigniew Rau at a ceremony held on June 28, 2023 at the Oporow Castle in Poland. Prof. Topaktaş thanked TÜBA for supporting my work as a TÜBA Young Academy Member.

Support from the USA to the Project of Prof. Dr. Ebru Menşur, Winner of TÜBA GEBİP Award

The miniature cooling systems project developed by Prof. Dr. Ebru Menşur, Head of the Department of Materials Science



and Engineering at Gebze Technical University (GTU), winner of the TÜBA GEBİP Award, is supported by the US Air Force Office of Scientific Research.

Within the scope of the "Project for the Investigation of Phase Interactions and Dimensional Effects in Flexible Electrocaloric Composites", which received a budget support of 2 million 500 thousand liras from the US organization, cooling systems produced in accordance with microelectronics technology are aimed to be used in vehicles in environments with harsh conditions such as space and aviation. Prof. Dr. Menşur,

who completed his doctorate in Japan in the field of electroceramics, said that he has been working on permanent memory devices used in computers, credit cards and similar fields, which are among the new technological developments in Japan, and transducer systems in underwater sonar and navigation ships in Türkiye.

TÜBA Young Academy Member Assoc. Dr. Küçük was elected as a Board Member of BMC Medicine



İzmir Biomedicine and Genome Center and Dokuz Eylül University Medical Biology Department Lecturer Assoc. Dr. Can Küçük was

elected as an Editorial Board Member for the BMC Medicine journal.

TÜBA Young Academy Member Prof. Candan, Elected to the European Union Working Group.

TÜBA Young Academy Member, Founder of Biomaterials and Nanotechnology Research Group | BioNanoTeam and Istanbul University



Faculty of Forestry, Department of Forest Industrial Engineering Prof. Dr. Zeki Candan was elected to the European Union COST Action CA21126 Working Group.

The European Union COST Action NanoSpace & CA21126 (Carbon Molecular Nanostructures in Space), which consists of expert scientists from 34 countries, aims to determine the existence, formation mechanisms and astrochemical role of carbon-based nanoparticles in space.



TURKISH ACADEMY OF SCIENCES

Newsletter

ISSN: 2757-6183

Owner

TÜBA President
Prof. Muzaffer Şeker

Managing Editor

Assoc. Prof. Cem Korkut

Editor

Asiye Komut Şanlı

Translator

Mert Orhan

Graphic Design

Ece Yavuz
İbrahim Topsakal

Redaction

Prof. Dr. Yasin Bulduklu
Mert Orhan

Head of the International Relations Office

Dr. Gülzade Kahveci

June 2023-Issue 13

Address: Vedat Dalokay Caddesi
No: 112 Çankaya 06670
ANKARA/TÜRKİYE
Telephone: +90 312 442 29 03
e-mail: tuba.int[at]tuba.gov.tr

Print

Tek Ses Ofset Matbaacılık
500 Copies

