

The 2015 'TÜBA Awards' Presented

The 2015 International TÜBA Academy Prizes, GEBIP and TEÇEP Awards were presented to recipients in the Presidential Palace, December 14, 2015. The ceremony was held under the auspices of President Recep Tayyip Erdoğan.

The international TÜBA Academy Prizes were presented by the President Erdoğan to Niyazi Serdar Sarçiftçi of Linz Johannes Kepler University in the field of Basic and Engineering Sciences, Zulfiqar Ahmad Bhutta of Toronto University and Aga Kahn University in Health and Life Sciences and Mehmet Genç of Istanbul City University in Social sciences and Humanities.



■ Mehmet Genç, President Recep Tayyip Erdoğan, Niyazi Serdar Sarçiftçi, Zulfiqar Ahmad Bhutta

Within scope of Young Scientist Outstanding Achievement Award Program (GEBIP) 38 scientists received awards while 19 scientists received awards in the best Books Authored and Translated Award Program (TEÇEP).



TÜBA Member Aziz Sancar Awarded Nobel Prize in Chemistry 2015



■ Prof. Aziz Sancar, King Carl XVI Gustaf of Sweden



■ Prof. Aziz Sancar, President Recep Tayyip Erdoğan



■ TÜBA President Prof. Ahmet Cevat Acar, Prof. Aziz Sancar, TÜBA Council Members Prof. Tayfun Özçelik

Aziz Sancar, member of Turkish Academy of Sciences and Sarah Graham Kenan Professor of Biochemistry and Biophysics at University of North Carolina, has been awarded Nobel Prize in Chemistry 2015 along with Thomas Lindahl of Francis Crick Institute and Clare Hall Laboratory (UK) and Paul Modrich of Howard Hughes Medical Institute and Duke University School of Medicine (USA) for their "mechanistic studies of DNA repair".

Sancar earned the award for mapping nucleotide excision repair, the mechanism that cells use to repair UV damage to DNA. People born with defects in this repair system will develop skin cancer if they are exposed to sunlight. The cell also utilizes nucleotide excision repair to correct defects caused by mutagenic substances, among other things.

Nobel Laureate Aziz Sancar was born in Savur district of Mardin province, Turkey, in 1946. He completed his M.D. in Istanbul University, School of Medicine, Turkey, and did his Ph.D. at the University of Texas. Upon

receiving the award, Aziz Sancar said: "I am of course honored to get this recognition for all the work I've done over the years, but I'm also proud for my family and for my native country and my adopted country, and especially for Turkey it's quite important." The Laureate added that the high quality education he got in Turkey formed the basis for this award.

Expressing his joy at Sancar's Nobel Prize, Professor Ahmet Cevat Acar, the President of TUBA, said: "This is a big day for TUBA and Turkish scientific community and it is not only symbolically significant but also quite encouraging for us. We wholeheartedly congratulate our Nobel Laureate and thank him for giving us such a joy."

Aziz Sancar received his award in a grand ceremony in Stockholm on 10 December 2015. TÜBA President Acar, TÜBA Council Members Fahrettin Keleştimur, Tayfun Özçelik and TÜBA Member Mehmet Öztürk participated in the Nobel Prize ceremony.

General Assembly of TÜBA Held in Ankara



The 48th meeting of the TÜBA General Assembly was held in Ankara on December 13, 2015 with the attendance of Science, Industry and Technology Minister Fikri Işık.

In his opening speech Minister Işık pointed out that the support for the University students, scientists and researchers would be further increased. Mr. Işık added: "Very important tasks are assigned to TÜBA in terms of increasing interest in science, spreading scientific thought and introducing our scientific heritage to our people in Turkey. We are establishing science centers especially to increase interest in science and technology. We have established such centers in Konya, Kocaeli and Bursa, and will continue in other cities. We want TÜBA to have a more effective and active role in the establishment of these centers and are intensifying our work on this subject. We place great importance on two points; first of all we need to show our kids at an early age that science was produced in our scientific history. We need to explain the contribution of Turkish-Islamic scientists to science. We need to teach them about El Biruni, İbn-i Sina and El Battani. Second of all we want to develop local mechanisms

in scientific exhibits. This is where we expect the assistance of TÜBA in designing mechanisms at a level that our children can understand in terms of concept".

Minister Işık, who concluded his speech by congratulating the winners of the TÜBA Academy Prizes, presented Prof. Dr. Ertuğrul Kılıç, Prof. Dr. Ömer Küçük and Prof. Dr. Hasan Mandal with their certificates for being elected as full members in the 47th General Assembly that took place in June 2015.

TÜBA President Prof. Dr. Ahmet Cevat Acar said in his speech, "we are pleased to present the first Academy Prizes we have started at international level this year. I wish to congratulate Niyazi Serdar Çiftçi, who has earned a well deserved reputation in the field of solar energy, Prof. Dr. Zülfiqar Ahmad Bhutta who is accomplished in the field of epidemiological work on maternal and child health, and our Scholar Mehmet Genç for his work in Ottoman-Turkish Economic History, which 'shows that quality work can be done without having to bear academic title' in the field of Social and Human Sciences". Expressing that TÜBA has an increasing interaction with the world scientific community, Acar added that the number of umbrella organizations that the academy was a member increased to 12 and the national academies they were cooperating with increased to 30. Our Award programs continue with increasing quality and our GEBIP Award recipients are conducting very satisfying projects.

'Academy Conferences' of the GA Meeting were delivered by the laureates of the TÜBA Academy Prizes namely Mehmet Genç in the field of Social and Human Sciences, Prof. Dr. Niyazi Serdar Sarçiftçi in the field of Science and Engineering Sciences and Prof. Dr. Zülfiqar A. Bhutta in the field of Health and Life sciences

After the conferences the meeting continued closed to the press.



70th year of AMEA

On November 10, 2015, Prof. Dr. Ahmet Cevat Acar, who visited Baku for the Azerbaijan National Sciences Academy's (AMEA) 70th Anniversary Celebration, and AMEA President Akif Alizade renewed the cooperation agreement between the two organizations initially signed in 2003.

The agreement between the two organizations aims to organize joint symposiums, conferences and various activities, and exchange personnel and experience to establish strong relations in the field of scientific and technological collaboration.



550th Year of Kazakh Khanate and TÜBA President's Visit

TÜBA President Prof. Dr. Ahmet Cevat Acar, attended 550th year celebration of Khazak Khanate and "International Scientific-Practical Conference on "Mangilik El", organized by Kazakhstan Ministry of Science and Education and Nazarbayev University in Astana on September 10-11. President Acar and Ahmed Yesevi University President Prof. Dr. Musa Yıldız, also visited International Turkish Academy and met President Prof. Darkhan Kydrali.



The Kosovo Science and Art Academy Celebrated its 40th Year



President Atifete Yahyaga, Prime Minister İsa Mustafa, Parliament Chairman Kadri Veseli, TÜBA President Prof. Dr. Ahmet Cevat Acar and many ministers and country representatives.

TÜBA President Prof. Dr. Ahmet Cevat Acar attended the 40th year celebrations of the Kosovo Science and Art Academy organized in Pristine on December 17-18.

The special ceremony organized for the occasion of the Science and Art Academy's 40th year anniversary of establishment, was attended by

In the speech by Academy President Prof. Acar at the ceremony he said Turkey and Kosovo were countries with a very close bond and brotherhood. Emphasizing that the cooperation agreement between the two academies had contributed to the bond and cooperation between the two countries being carried even further, Prof. Dr. Acar said that the exchange of knowledge and experience between Turkey and Kosovo, especially in the field of education and many other joint tasks like student and academic teacher exchanges were ongoing and this cooperation would continue to be developed.

Cooperation Between TÜBA and the Turkmenistan Academy of Sciences



A TÜBA delegation led by TÜBA President Prof. Dr. Ahmet Cevat Acar visited Turkmenistan on November 17-21, 2015. The TÜBA delegation met with Turkmenistan's Minister of Health, Deputy Minister of Education, President of the Turkmenistan Academy of Sciences; Turkmenistan Petrol, Gas and Agricultural Universities' rectors, and the President of the Turkmenistan History and Calligraphy Institute; and also visited the Turkmenistan Technology Center.

Turkmenistan Academy of Sciences President Prof. Dr. Gurban Murat Mezilov visited TÜBA with a delegation on December 17, 2015. The delegation met TÜBA Deputy President Prof. Dr. Ahmet Nuri Yurdusev and reviewed present relations.

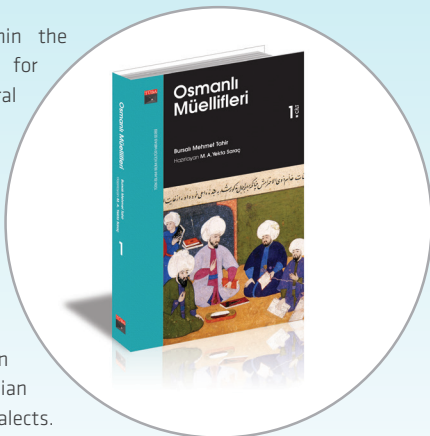
After the corresponding visits and meetings the organizations of the two countries agreed that scientific cooperation would be developed between TÜBA and the Turkmenistan Academy of Sciences and other relevant institutes and centers.

The Project for "Scientific and Cultural Heritage of Turco-Islamic Civilization" Moving

The first works within the scope of the Project for "Scientific and Cultural Heritage of Turco-Islamic Civilization" are to be published in the first quarter of the 2016.

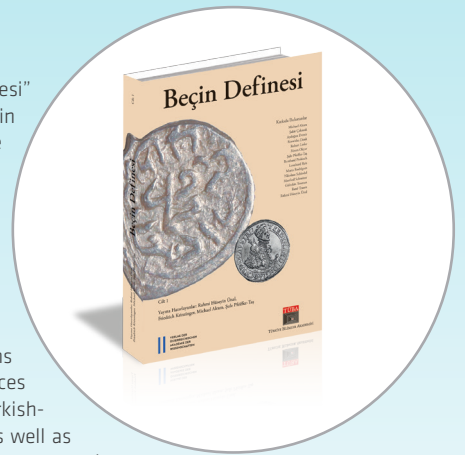
The project aims at transliteration, translation and edition of works in Arabic, Persian and different Turkish dialects.

In the scope of the project, for which over 150 applications are still being assessed, the works that have been chosen for the first stage are comprised of several works written by scholars/scientists/authors in the fields of mathematics, astronomy, history, geography, literature, and engineering.



The "Beçin Definesi" is Out

The "Beçin Definesi" (literally, Beçin Treasure) is the largest collection of coins found in Turkey belonging to the Ottoman period, uncovered as a result of the "Beçin Castle Digs". It contains significant evidences regarding Turkish-Islam archeology as well as Ottoman-European economic relations. A research project carried out through cooperation between TÜBA and the Austrian Academy of Sciences resulted in two volumes and one index. The earlier version of the work was published by the Austrian Sciences Academy under the German title "Der Münzschatz von Beçin".



The contributors include Rahmi Hüseyin Ünal, Friedrich Krinzingler, Michael Alram and Şule Pfeiffer-Taş, Aydoğan Demir, Bernard Prokisch, Füsün Okyar, Gültekin Teoman, Leonhard Reis, Mara Rodrigues, Nikolaus Schindel, René Traum, Robert Linke, Roswitha Denk and Şakir Çakmak. The Turkish translation was completed by Suzan Tammer and Şule Pfeiffer-Taş.

The book can be obtained via <https://satis.tuba.gov.tr>

Andrea Tietze's "Historical and Etymological Dictionary of Turkish" Set Off

TÜBA commissioned Prof. Dr. Semih Tezcan of Bilkent University to complete Andreas Tietze's life time work 'Historical and Etymological Dictionary of Turkish', which is to comprise 8 volumes.

Born in Vienna, in 1914, Prof. Dr. Andreas Tietze had a lifelong interest in Turkish language and culture until his death and compiled the 'Historical and Etymological Dictionary of Turkish', the most significant and comprehensive work to date composed of 7 volumes plus an index volume. The complete dictionary is planned to be completed by November 2017.

The first volume (letters A-E), of the Dictionary was published by the Austrian Academy of Sciences and Simurg Publishing House in 2002; the second volume (letters F-J) by the Austrian Academy of Sciences in 2010.



Prof. Dr. Ahmet Cevat Acar, Re-Elected as TÜBA's President



Prof. Dr. Ahmet Cevat Acar took 101 of the 113 valid votes in TÜBA's presidential election held during the 47th General Assembly in Ankara on 14 June 2015 according to the relevant legislation, and was re-appointed by the Prime Minister Prof. Dr. Ahmet Davutoglu to the TÜBA Presidency.

Prof. Dr. Ahmet Cevat Acar who has been carrying out the Presidency of TÜBA since August 2012 will preside to the Academy for 3 years more in the period 2015-2018.

Prof. Dr. Acar, said about his re-election as the TÜBA President: "It is a great honor to be re-elected with the support of our members, and the Prime Minister's approval to Academy Presidency which I have been conducting for three years, but at the same time it is a great responsibility. Abiding faithfully to the academic, legal and ethical principles, embracing the differences as richness and with the understanding of institutional continuity, our efforts for TÜBA and Turkey to achieve their deserved positions will continue in the coming period.

Besides all the existing programs such as, "TÜBA-GEBIP and TEÇEP awards, Science Education, Stem Cells and Cancer Study Group, University and Academy Conferences, the Turkish Science Glossary, International Relations and Publications, etc. initiated in this period, Science and Education, the Food and Nutrition Working Groups, International TÜBA Academy Awards, Open Course Ware Awards, Institutional Capacity Development, the Turkish-Islamic Science Culture Heritage and Historical-Etymological Turkish of Turkey Lexicon Projects" etc. are our new programs and projects with which we intend to continue our functions such as "popularizing the science, dissemination of scientific understanding, awarding scientific achievement and advisory based on science". We hope to reach a positive result in our efforts to fulfill the needs for TÜBA's legislation and building in this period.

47th TÜBA General Assembly was Held and "TÜBA Dictionary of Engineering Terms" Opened to Online Access

The opening of TÜBA's 47th General Assembly and 33,000 Engineering Terms Dictionary that was prepared under the scope of Turkish Science Glossary Studies was held by the Ministry of Science Industry and Technology Fikri Işık in Ankara.

TÜBA Dictionary of Engineering terms has been opened to online access via the link www.tubaterim.gov.tr. The dictionary includes 33,000 engineering terms and compiled by over two hundred scientists.



The Union of Academies of Sciences of the Turkic World Has Been Established

The Union of Academies of Sciences of The Turkic World was established by the first General Assembly meeting which was held by the International Academy of Turkey on June 29, 2015 in Astana, the capital of Kazakhstan and TÜBA's President Prof. Dr. Ahmet Cevat Acar attended as well.

TÜBA's President Prof. Dr. Ahmet Cevat Acar stated on the subject that with regards to developing scientific and academic cooperation between Turkic World Academies, the establishment of the Union is a historical and pleasing step and TÜBA will do its best to give contribution and support to the Union. He thanked all members of the Union and those people who contributed to the formation of the institution.

As well as TÜBA, Azerbaijan, Kyrgyzstan, Kazakhstan National Academy of Sciences of the International Turkish Academy (UTA), founded by the participation of Academies of Sciences Tatarstan and Bashkortostan to TDBAB, Academy of Sciences of Turkmenistan and Uzbekistan also provide support. It was agreed that TDBAB that aims to improve collaboration between the Turkic World Academies of Sciences will be chaired by Kazakhstan National Academy of Sciences President Murat Zhuryinov during 2015-16 term, while TÜBA President Ahmet Cevat Acar will be the chair in 2016-17 term and the board reached consensus on regulations and formation of the board of directors. The secretariat services of the Union will be fulfilled by the International Turkish Academy.



Cooperation Agreements Signed Between TÜBA and Science Academies of Kazakhstan, Kyrgyzstan and Bashkortostan

A bilateral cooperation agreement has been signed between TÜBA and the Science Academies of Kazakhstan, Kyrgyzstan and Bashkortostan.

Bilateral cooperation agreements between the academies were signed by TÜBA President Prof. Ahmet Cevat Acar, Kazakhstan National Academy of Sciences President Murat Zhuryinov, Kyrgyz National Academy of Sciences President Abdygany Erkebaev and Vice President of the Academy of Sciences of Bashkortostan Vener Sultangulov after the General Assembly of the Union of Academies of Sciences of the Turkic World on June 29, 2015 held in Astana.

TÜBA President Prof. Dr. Ahmet Cevat Acar made the following statements on the issue: "With the signed agreements, a legal basis for joint efforts about information, scientists and publications exchange has been established between our Academies of Sciences. We believe that the agreement will increase our cooperation with the sister academies."



Annual Assessment Meeting of GEBİP

2015 Annual Assessment Meeting of the TÜBA Young Scientist Outstanding Achievement Award Program (TÜBA-GEBİP) was held at the Nevşehir Hacı Bektaş University (NEU).

Pointing out that 373 scientists have been given support to date, by TÜBA in the scope of GEBİP, TÜBA President Ahmet Cevat Acar said; "In 2015 this support reaches 80 thousand liras. The winners of the TÜBA-GEBİP Award are also making other achievements in our country and abroad. This year 38 of our young scientists from 24 different universities were deemed deserving of the GEBİP Award.

The meeting continued with TÜBA Member Prof. Dr. Metin Balcı's speech on "Should Nobel Prize Winner Prof. Dr. Aziz Sançar Retire?" Then TÜBA Council

Member Prof. Dr. Reşat Apak delivered the keynote speech titled "A Collective Look at Antioxidant and Explosive Determinations at the Istanbul University".

The TÜBA 2015 Annual Assessment Meeting, which started on Saturday October 24 at 10:00 and continued at the NEU – Tafana Facility, included 6 simultaneous sessions in engineering, science, social and life and health studies attended by academy members and 34 GEBİP award recipients. Award recipient young scientists introduced their own fields and presented the studies they have been conducting over the past year. Subjects on the evaluation and development of projects were discussed in the sessions. During the General Assessment Meeting held at the end of the sessions, the projects were evaluated by the Academy President and field moderators.



Cooperation Agreement Between TÜBA and the Tatarstan Academy of Sciences



On April 30, 2015 TÜBA President Prof. Dr. Ahmet Cevat Acar and Tatarstan Academy of Sciences President Prof. Dr. Myakzum Salakhov signed the "TÜBA and Tatarstan Academy of Sciences Cooperation Agreement" concerning cooperation on relevant activities between the academies of the two countries. In the framework of the agreement, the parties agreed to cooperate and develop joint projects between the two academies paving the way for the exchange of information, scientists and publications.

TÜBA President Prof. Dr. Ahmet Cevat Acar said, "These agreements serve as both encouragement and incentive in terms of developing scientific cooperation. With this agreement, joint activities and cooperation will develop even more and will lead to frequent exchanges of scientists and knowledge between the academies".

International Human Rights Law Summer School in TÜBA-Rabi Madrasah

The third International Human Rights Law Summer School was held at TÜBA-Rabi Madrasah, between 29-30 July 2015 with the cooperation of Istanbul University (IU), Leiden University from Holland and Raoul Wallenberg Institute (RWI) from Sweden.

Some of the courses offered were as follows: 'Cultural Diversity and Human Rights' (Alejandro Fuentes, RWI), 'Syrian Refugees and Human Rights' (Ibrahim Kaya, IU), 'International Criminal Law' and 'United Nations Sanctions and Human Rights' (Van Den Herik, Leiden University), 'Protection of Human Rights in Europe' (Jorrit Rijpma), 'Operations in Iraq, Syria and Yemen' (Elena Cirkovič, Bilkent University), 'Comparative Law and Human Rights' (Pinar Ölçer, Leiden University) and 'Palestine and Human Rights' (Valentina Azarov, Palestine).

This year's school attracted 60 participants from 25 different countries.



The "2nd Applied Science Education Course" Held in Erzurum

TÜBA held the "2nd Applied Science Education Course", a course for basic sciences teachers to contribute to activating a more inquiry based and basic science education in the scope of the TÜBA Science Education Program within the framework of the protocol signed with the Ministry of Education; between August 31 and September 4 at the Erzurum Atatürk University.

105 teachers from 15 different provinces

105 teachers were chosen by the NME from 15 different provinces to participate in the second Program, for which the first course was organized in May at the Gazi University. During the educational program that lasted five days, 33 academicians specializing in their own fields in addition to TÜBA Science Education Task Group Member and Associate Member Prof. Dr. Hayrunnisa Bolay Belen and Academy Principle Member Prof. Dr. Hüseyin Sarioğlu, Associate Member Prof. Dr. İlhami Gülçin gave the courses.

In the opening speech made by TÜBA President Prof. Dr. Ahmet Cevat Acar he emphasized the recent lack of interest in basic sciences in our country is an important problem and added: "Not just in Turkey but in many other countries in the world, the demand for these fields is dropping dramatically. Every few years, a lot of information loses its validity so our teachers are in the position of having to update their information constantly and the fact that the Ministry of Education and other institutions need to provide the necessary resources and conditions to enable this is a subject we all agree on. We intend to continue this program as long as we can, thereby carrying out the national responsibility that falls on us".

The 'applied form of science' for 5 days

Many teachers of science, chemistry, biology, mathematics, social sciences and physics from 15 different provinces received applied training from assistant associate professors, associate professors and professors. The courses provided under a number of different titles such as 'the Nature of Science and the Elements of Scientific Information, Argumentation Method Applications in Teaching Physics and Super Conductivity' started at 8:30 each morning and finished at three every day.



TÜBA-Food, Nutrition and the Prevention of Cancer Symposium

'Food, Nutrition and the Prevention of Cancer Symposium' organized by TÜBA was held in Elazığ on May 23, 2015.

Some of the papers presented at the symposium were: 'Food Regulation and Auditing in Our Country' by Selman Ayaz of Agriculture Ministry 'Carcinogenesis and Immunity' by Prof. Dr. Tanju Besler 'Nutrition and Cancer Relationship' by Prof. Dr. Hakan Akbulut 'Obesity and Turkey Profile' by Dr. Murat Gültekin 'Diabetes Obesity and Cancer' Prof. Dr. İlhan Satman 'Regulation of GMOs' by Prof. Dr. Hakan Yardımcı 'GMO, Benefits and Harms' presentation by Prof. Dr. Fikret Sahin, 'Food Additives from a Biochemist's Perspective' Prof Dr. Fatih Gültekin.



At the press conference held at the end of the symposium, Academy President Prof. Dr. Ahmet Cevat Acar said "as Turkey's academy, we have set up working groups on our country's priority issues and problems. Food and nutrition group was added to the previously existing working groups about stem cell and cancer. The main function of these working groups is to make science-based consultancy to the public, decision makers and scientific community.

The Report of the Symposium has been published and available at <http://www.tuba.gov.tr/publication/tuba-gida-beslenme-ve-kanser-in-onlenmesi-sempozyumu-raporu/id/1397>



Turkey's First Biomedicine and Genome Center Opened

The official opening of Turkey's first Biomedicine and Genome Center (iBG - Izmir) took place in Izmir with an opening speech by the Center's founder TÜBA Principle Member Prof. Dr. Mehmet Öztürk on September 10, 2015. The ceremony was attended by Minister of Science, Industry and Commerce, Fikri Işık, TÜBA Vice President Prof. Dr. Ahmet Nuri Yurdusev, TÜBA Council Member and President of the Turkish Association of Health Institutes (TÜSEB) Prof. Dr. Fahrettin Keleştimur, Dokuz Eylül University Rector Prof. Dr. Mehmet Füzün and 2001 Nobel Prize in Medicine recipient Prof. Dr. Tim Hunt as well as many other scientists from Turkey and the world.

TÜBA Vice President Prof. Ahmet Nuri Yurdusev pointed out the importance that TÜBA places on 'Life and Health Sciences' and emphasized that working groups within the structure of the Academy are continuing their activities in these fields and also said he was sure that iBG-Izmir would contribute significantly to 'Life and Health Sciences'. Pointing out that science has local, national and universal dimensions, Yurdusev said it was meaningful that the goal of iBG-Izmir was not only the Izmir area but also included the Middle East and Northern Africa which was compatible with Izmir's mission in history.

The International Izmir Biomedicine and Genome Center Manager, Prof. Dr. Mehmet Öztürk said in his speech "Turkey has a mechanical drug expenditure of 15 billion dollars per year, the entrance of biotechnological drugs into the market increases by 20 percent each year. Turkey should not be depended on the outside for these medications now. We will work to produce these drugs in our center. The stem cell therapy provided at our center is also critical for diseases like Mediterranean anemia and thalassaemia. We are aiming to get to the points of producing stem cells from blood and skins cells, transplanting livers and correcting gene disorders."

Minister of Science, Industry and Commerce, Fikri Işık pointing out the 150 million TL cost of the center, stated that "The value of this multipurpose facility goes beyond numbers. Very important work towards the diagnosis and treatment of diseases will be done here. One of the greatest purposes of this center is to be the biggest hub in the Eastern Mediterranean in 2023. I believe the bar will be raised higher every year here. We will gain the ability to export pharmaceuticals. Turkey's achieving new progress will be through leaps in science and technology. Importer of 4.7 billion dollars in pharmaceuticals, Turkey paid an average of 1 million dollars for each kilogram of biotechnological pharmaceuticals; one thousand dollars per gram. Calculate how much a gram of gold is. This reveals how important domestic production is. We have prepared a Turkish Biotechnology action plan. Research center institutions are being opened but we are having trouble getting supplies. We have released the research infrastructure law. What we want is focus on scientific work".

The foundations were laid for the iBG-Izmir, where 27 research teams, 7 innovation teams and 13 direct service teams will operate on everything from cancer to production of pharmaceuticals, from treating congenital diseases of babies that are still in the mother's womb to regenerating deteriorated tissue, in 2006 and now it is one of very few select centers in the world and the first of its kind in Turkey.



Antalya Hosted the “2nd International Congress on Stem Cell and Cellular Therapies”



The “2nd International Congress on Stem Cell and Cellular Therapies”, organized with the support of TÜBA and coordinated by TÜBA Council Member Prof. Dr. Fikretin Şahin, in which basic and clinical studies in the field of stem cells in Turkey and the world were discussed; took place in Antalya on October 15-18, 2015.

Sir John B. Gurdon (University of Cambridge, Wellcome Trust/CRUK Gurdon Institute, England), who won the Nobel Prize in 2012 for his genetic work in stem cells, made the opening speech of the Congress attended by over 50 different guest speakers from 15 different countries.

A ‘Special TÜBA Session’ titled “Clinical Trials in Turkey” was organized at the Congress in which the studies of eight leading Turkish scientists were presented. During the ‘Special Session’ organized in cooperation with the Academy, the first speech will be given by Özgür Bakar and TÜBA Stem Cell Working Group Member Ercüment Ovalı. The Session will also include TÜBA Stem Cell Working Group Member Mustafa Çetin’s presentation titled ‘New Views on Mesenchymal Stem Cell Applications in the Field of Hematology’, Alp Can’s speech on the ‘Study of Alternative MSC Sources for Heart Treatment’, Işık Akgün’s presentation and Zeynep Burçin Gönen’s ‘Mesenchymal Stem Cell Applications in Regenerative Medicine’, Ekrem Ünal’s

‘Clinical Applications of the T Cell’ and Murat Kantarcıoğlu’s ‘From Stem Cell Studies to Gastroenterology Applications’.

Over eighty papers were presented at the Congress on a variety of scientific studies on stem cells and cellular therapy applications especially in ‘neurodegenerative and cardiovascular diseases, skeletal muscular diseases, plastic surgery and orthopedics, immunotherapy and dentistry’. The Congress, organized for the second time this year, included prominent names in the scientific world concerning stem cell research, panel discussions, meet-with-an-expert platforms and verbal/poster presentations. The sessions included ‘Customized to Individual and Regenerative Medical Applications, Clinical Applications in Stem Cell Research, Stem Cell and Cellular Products, Cellular Programming and Current Issues in IPS Cell Research, Model Organisms in Stem Cell Research and Ethical Issues’.

The closing speech was made by LLC founder and CSO Mahendra Rao, who was appointed as the US National Institute of Health Regenerative Medicine administration in 2011.

Detailed information on the Congress may be accessed at <http://www.stemcell2015.org>.

TÜBA Visit to Tatarstan

International forum entitled as “the Role of Scientific Research Institutes in the Formation and Development of the Social Sciences” held by the Tatarstan Science Academy, on the occasion of the 75th anniversary of G. Ibragimov Literature and Language Arts Institute in Tatarstan, Kazan between the dates 28 and 29 May 2015. TÜBA President Prof. Dr. Acar, the Academy Council Member Prof. Dr. Muzaffer Şeker and Turkish Language Association President Prof. Dr. Mustafa Kaçalın attended the forum.

Forum began with the roundtable meeting concerning development of the scientific cooperation between Tatarstan Academy of Sciences and other academic institutions, academies, Turkish dialect-speaking countries and other regions of the Russian Federation, social sciences institution and it continued with the presentation of the publications of Tatarstan Academy of Sciences and 75th anniversary celebrations.

TÜBA’s President Prof. Dr. Ahmet Cevat Acar paid a visit to the President of Tatarstan Academy of Sciences Prof. Dr. Myakz Salahova and Tatarstan Prime Minister İldar Halikov.



The TÜBA 'Current Approaches to Stem Cell Treatments Symposium' is Held

TÜBA held the 'Current Approaches to Stem Cell Treatments Symposium', in which world famous scientists Kansas State University Teaching Staff Member Prof. Dr. Ting Xie, New York Stem Cell Foundation President Dr. Mahendra Rao and Dr. Wei Li from the US National Eye Institute (ABD) gave presentations on the field of stem cells on October 20 at the Ankara University Medical Faculty Prof. Dr. Lütfi Tat Conference Hall.

TÜBA President Prof. Dr. Ahmet Cevat Acar, Stem cell research is among priority subjects in the scope of Turkey's science and technology strategies. We as TÜBA are conducting a variety of activities especially in the context of creating suggestions at a strategic and political level. Our Stem Cell and Cancer Working Group is especially very active. We have done a series of studies starting with a National Stem Cell Workshop. We have set out with the objective of including every relevant stakeholder in the process. We compile reports on events concerning stem cells and similar issues and share these with relevant organizations."

Prof. Dr. Acar also presented Prof. Dr. Ting Xie, Dr. Mahendra Rao and Dr. Wei Li with plaques thanking them for their participation in the symposium.

TÜBA principle Member and TÜBA-Stem Cell Working Group Co Executive Prof. Dr. Bülent Zülfikar said: "The TÜBA-Stem Cell Working Group is working to increase awareness among those who produce information on this subject and those who need these fields, and to build a bridge between them: We organize workshops to determine country policies, we review ethics councils and rules on a daily basis, we organize workshops to update these rules and examine the clinical research that is being done in this field in particular and now we are holding this symposium in which specialists can describe, if not all at least a few aspects, of the stem cell work they are doing."

TÜBA-Stem Cell Working Group Member Prof. Dr. Alp Can said that stem cells and cellular therapies connected to stem cells, with increasing currency are becoming the most popular subjects in recent years and "We are in the early stages for recommending stem cell treatments in addition to or in contrast to traditional treatment methods

and these early stages do not appear as if they will pass easily because now we now the cancer causing mechanisms, genotoxicity and cytotoxicity better. Therefore we try to stay away from daring and aggressive treatments. At any rate the regulatory authority on the subject is handling it with more attention and awareness than in the past and enforcing relevant regulations. No doubt this is an ongoing process and while the developments in science are unfolding before us we will witness new regulatory rules being enforced in the coming years."

Prof. Dr. Ting Xie, from the Stowers Medical Research Institute in Kansas U.S.A., one of the first names to start research in stem cells on vinegar flies, spoke about 'Stem Cell Niche' a relatively important field of research. Dr. Mahendra Rao from the U.S., with important publications in almost every field of stem cells, spoke about 'Production and Biobanking in Cellular Therapy' and Dr. Wei Li, also from the U.S. made a speech on 'Stimulated Pluripotent Stem Cells and the Hibernation of these Cells'.

All three of the speakers shared their knowledge about the promising stem cell treatment options at present and conveyed results of their most recent research. The Symposium attended by scientists working in the field of stem cells and academicians was free and open to everyone and continued with questions and answers and discussions.



The 16th General Assembly of ALLEA Took Place in Lisbon

The 16th General Assembly of the Federation of All European Academies – ALLEA, attended by TÜBA President Prof. Dr. Ahmet Cevat Acar and Deputy President Prof. Dr. Ahmet Nuri Yurdusev, took place in Lisbon on April 23-24, 2015.

During the work meeting, hosted by the Academy of Sciences Lisbon on April 24th, ALLEA's previous year activities and budget were discussed. Professor Günter Stock, whose term as president had ended, was re-elected to serve another 3 years as ALLEA's president.



TÜBA President Prof. Dr. Ahmet Cevat Acar Attended the 2015 World Science Forum



TÜBA President Prof. Dr. Ahmet Cevat Acar attended the World Science Forum, held in Budapest on November 4-7, upon the invitation of the Hungarian Academy of Sciences.

After the event, which was held with great success in Rio de Janeiro in 2013, the Hungarian Academy of Sciences in cooperation with UNESCO, ICSU, AAAS, TWAS and EASAC hosted the 2015 World Science Forum.

The 2015 Forum, which was organized under the main theme of "The Enabling Power of Science", the speakers revealed the capacity of science on the issues of improving human life, operation innovation and forming policies, and expressed their ideas to the target audience through six general assembly meetings and nine thematic meetings as well as a number of other activities.

TÜBA President Acar also visited the Hungarian Academy of Sciences President Prof. Dr. László Lovász and TÜBA Honorary Member Prof. Dr. Gyorgy Hazai, who was in the process of undergoing treatment, and examined items in the Hungarian Academy of Sciences Manuscripts Department with Associate Professor Dr. Ahmet Arslantürk.



TÜBA Honorary Member Prof. Dr. Gyorgy Hazai, TÜBA President Acar, Associate Professor Dr. Ahmet Arslantürk



TÜBA President Acar and Hungarian Academy of Sciences President Prof. Dr. László Lovász

The Third Edition of 'Science and Technology in Islam' Released

The celebrated book by TÜBA Honorary Member Prof. Dr. Fuat Sezgin and first published in German under the title "Wissenschaft und Technik im Islam" has been reprinted by TÜBA.

'Science and Technology in Islam' comprised of five volumes, which was first translated to Turkish from the German original as commissioned by TÜBA then printed first by the Ministry of Culture in 2007 and for a second time by İstanbul Büyükşehir Belediyesi Kültür A.Ş. has now been reprinted for a third time by TÜBA.

The work that compiles the studies and contributions to the world of science of Islamic scientists with a variety of examples in five volumes under the headings of 'Introduction to Science and Technology in Islam', 'Astronomy', 'Geography, Maritime, Clocks, Geometry and Optics', 'Medicine, Chemistry, Minerals and Fossil Formations', 'Physics, Technology, Architecture, War Technology, Antique Objects, Oriental Style European Glass and Ceramics', also examines the role of Islamic science in the history of world sciences. Prof. Dr. Fuat Sezgin's work, which has a critical solution approach to the science history that centers around the western world, also reflects a different perspective on Islamic and Middle Age science history.

About the reprinting of this important work, TÜBA President Prof. Dr. Ahmet Cevat Acar says: "The translation and publication of our world famous scientist and Honorary Member Prof. Dr. Fuat Sezgin's work 'Science and Technique in Islam' is an important endeavor of our academy. The work is also very significant in terms of addressing a lack in perspective and awareness of our civilization and science history. I want to thank our Honorary Member Prof. Dr. Fuat Sezgin especially and everyone who contributed to the preparation, translation and publication of this work and of course the Ministry of Culture and İstanbul Büyükşehir Belediyesi Kültür A.Ş. for the previous prints."

The 'Science and Technology in Islam' can be purchased from TÜBA's <https://satis.tuba.gov.tr> website.



The New Editions of the TÜBA Periodicals Out

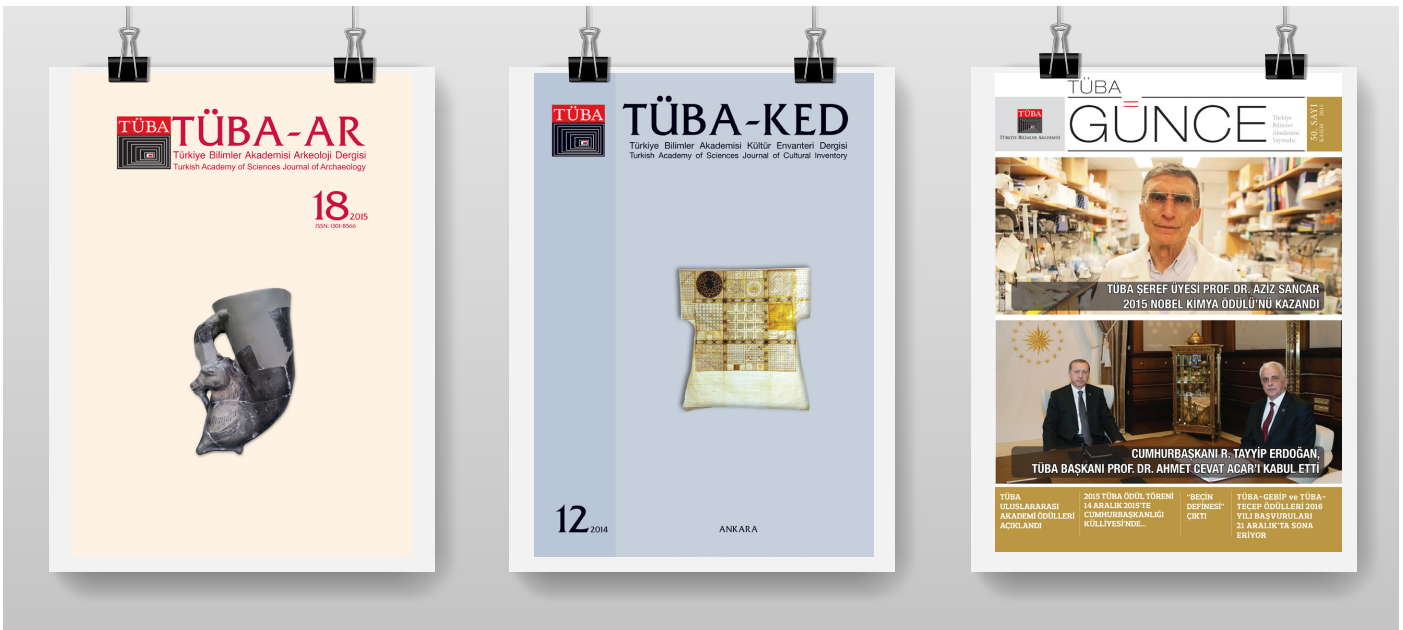
The 18th edition of TÜBA-AR and the 12th edition of TÜBA-KED and the 50th edition of the TÜBA GÜNCE, a journal that includes popular science news and Academy events every 6 months, are now available to readers.

The TÜBA- AR (TÜBA Journal of Archeology), which started publication in 1998, is indexed in the Art & Humanities Citation Index -AHCI. TÜBA-AR includes original articles and studies concerning the archeology of Turkey and its surrounding geography.

TÜBA-KED (Journal of Cultural Inventory) started as a periodical in 2003 and

continues as an internationally refereed journal. Besides documenting and creating an inventory of Turkey's rich cultural heritage, the TÜBA-KED aims to create an academic platform to share and discuss ideas, theories and policies on cultural heritage and its preservation.

TÜBA GÜNCE aims to create a discussion platform on popular scientific issues that are on the agenda of the world and Turkey and raise public awareness in terms of science. The magazine is distributed free of charge to science societies, libraries, local administrations, high schools and similar education institutions.



The TÜBA Symposium Reports were Published

The report of the 'Food, Nutrition and Prevention of Cancer Symposium' was published by TÜBA. The report, which was prepared by the TÜBA Food, Nutrition and Cancer Study Group, has the feature of being the most comprehensive study that has been prepared in this field.

The report of the Symposium on 'Problems Experienced in the Coordination Between Stakeholders' also prepared by the TÜBA- Cancer Study Group, was published in 2015. The report serves as a guide to solving coordination problems.



2015 "TÜBİTAK Science and Incentive Awards" to TÜBA Members

Among the receivers of "2015 Science and Incentive Awards" by TÜBİTAK are four members of TÜBA. TÜBA Associate Member Prof. Dr. K. Arzu Erdem Gürsan was given "TUBITAK Science" Award for her works carried out in the field of Health Sciences while TÜBA Associate Member Assoc. Dr. Hakan Parlakpınar in the field of Health Sciences, 2013 TÜBA GEBİP Member Assoc. Sinan Gezici in the field of Engineering Sciences and the 2015 TÜBA GEBİP Member Assoc. Dr. Saban Nazlıoğlu in the field of Social Sciences were entitled to receive 'TUBITAK Incentive Awards' for their achievements.

The Science Award, which is given to currently working scientists for significant contributions to the science at the international level with their works in Turkey, consists of a prize money of 50.000 TL, a gold plaque and award certificate.

The Special Award, designed as equivalent of Science Award and given to Turkish scientists abroad, consists of 50,000 TL prize money, a gold plaque and an award certificate.

The Incentive Award is given to the scientists who are under 40 and have proven that they have the qualifications and potential to make a significant contribution in future. The Incentive Award consists of 20,000 TL, a silver plaque and an award certificate.

GEBİP Member Yusuf Baran in the Board of Directors of the Global Young Academy

TÜBA GEBİP member Prof. Dr. Yusuf Baran was elected to the Board of Directors at the annual General Assembly meeting of the Global Young Academy held in Quebec on 25-29 May 2015. Prof. Dr. Baran will strengthen the existing relations by establishing dialogue with the National Young Academies located in Asia and manage Academy's press relations.

TÜBA Member Kadir Mutlu Hayran elected to the WHO Scientific Council

TÜBA Associate Member and Head of Hacettepe University Cancer Institute Department of Preventive Oncology, Prof. Dr.

Kadir Mutlu Hayran was elected to membership of the IARC Scientific Council by the World Health Organization- International Agency for Research on Cancer, IARC in the 57th Board session held in Lyon city in France between 13 and 14 May 2015.

TÜBA Council Member Prof. Dr. Fahrettin Keleştimur Appointed As TÜSEB President

TÜBA Council Member and former rector of Kayseri Erciyes University Prof. Dr. Fahrettin Keleştimur has been appointed for presidency of the Turkish Health Institutions (TÜSEB) on June 15.

Prof. Dr. Fahrettin Keleştimur, being appointed as the President of TÜSEB which was founded to make research on medical technologies and sciences, coordinate these researches, promote such research, contribute to R&D and to carry out medical service accreditation, stated that he would do all he could to see this big project succeed, and hopes that TÜSEB's work will be beneficial to Turkey and all humanity and thanked everyone who took part in it from the initial idea to the present day.

TÜBA Council Member Tayfun Özçelik won the 'Gülhane Academy Medical Award'

TÜBA Council Member and Bilkent University Science Faculty Dean Prof. Dr. H. Tayfun Özçelik was presented with the Gülhane Military Medical Academy's "Gülhane Academy Medical Award".

The Medical Award, presented to Prof. Dr. Özçelik by the Gülhane Military Medical Academy in the scope of the "1st Gülhane Medicine and Arts Awards" started this year on April 30, 2015 was given to him for his work in the genetic roots of Üner Tan Syndrome and other international and national revolutionary work in the field of genetics.

TÜBA Member İsenbike Togan received 'Contributions to Sinology Award'

TÜBA Honorary Member Prof. Dr. İsenbike Togan was presented with an award recognizing her contributions to the field of Sinology at a reception held at the embassy of the People's Republic of China on 30 September 2015.

TÜBA Member Sadık Kakaç won the 'Luikov Medal'

TÜBA Honorary Member Prof. Dr. Sadık Kakaç was awarded the 'Luikov Medal'. He has been the first Turkish scientist to receive the Luikov Medal, which has so far been given to a total of 16 scientists from different countries throughout the world and organized once every two years by the International Communications in Heat and Mass Transfer-ICHMT.

Turkish Culture Research and Technology Award to TÜBA Member Feridun Emecen

TÜBA Member Prof. Dr. Feridun Emecen was given the 2015 Turkish Culture Research Award for the researches that he has done for the Turkish culture and history and for his contribution to academic community. The award is given by the Elginkan Foundation and held for the 9th time this year.

TÜBA Member İzzet Öztürk elected to TÜBİTAK Science Board

Elected by TÜBA General Assembly as a candidate, TÜBA Council Member Prof. Dr. İzzet Öztürk of ITU Faculty of Civil Engineering, became a member of the TÜBİTAK Science Board as of May 18, 2015 following the approval by Prime Minister.

Mediterranean Society of Myology award to TÜBA Member Haluk Aydın

TÜBA Member Prof. Dr. Haluk Aydın Topaloğlu was awarded the Gaetano Conte Academy Clinical Research Award by the Mediterranean Society of Myology (MSM) at the ceremony that took place on May 19, 2015 in Naples.

Nejat F. Eczacıbaşı Awards to TÜBA-GEBİP members

2013 TÜBA-GEBİP Award recipient Assoc. Prof. Deniz Atasoy was presented with the 'Dr. Nejat F. Eczacıbaşı Incentive in Medicine Award' and 2010 TÜBA-GEBİP Award recipient Prof. Dr. Yusuf Baran was presented the 'Dr. Nejat F. Eczacıbaşı Scientific Research Grant'. Assoc. Prof. Dr. Ethem Murat Arsava of Hacettepe University, Miray Nilüfer Cimsit of Koç University, Doğan Köç of Dokuz Eylül University and Doğan Üren of Marmara University were other recipients.