

2021*

**ACADEMY PRIZE
LAUREATES**

Social Sciences and Humanities

Prof. Dr. Jeffrey David Sachs / Columbia University

Prof. Dr. Jeffrey David Sachs from Columbia University has been awarded with 2021 TÜBA Academy Prize in the Social Sciences and Humanities for his scientific, technical, and effective studies on globalization and sustainable development, responsible production and consumption mechanisms, combating diseases, and besides theoretical research his efforts to raise awareness and ethical stance in the titles of reducing extreme poverty, eliminating income injustice, the damages of colonialism with visiting more than 130 countries all over the world.

Health and Life Sciences

Prof. Dr. Messoud Ashina / Copenhagen University

Prof. Dr. Nazmi Volkan Adsay / Koç University

Prof. Dr. Messoud Ashina from Copenhagen University, has been awarded with 2021 TÜBA Academy Prize in the Health and Life Sciences, for his studies that uncover the signaling mechanisms that trigger migraine headache, describe new molecules by studies on patients, clarify the neurovascular mechanisms that initiate migraine and highlight the clinical importance and therapeutic potential of the neuropeptide PACAP-38.

Prof. Dr. Nazmi Volkan Adsay from Koç University, has been awarded with 2021 TÜBA Academy Prize in the Health and Life Sciences for describing tumor types such as intraductal oncocytic papillary neoplasia of the pancreas, colloidal carcinoma of the pancreas. In addition, he was one of the first to describe intraductal tubulopapillary neoplasia, one of the rare types of pancreas tumors, and to provide a new window for differential diagnosis, diagnosis, and treatment for several patients who have difficulty in diagnosis with the concept of paraduodenal pancreatitis.

2020*

**ACADEMY PRIZE
LAUREATES**

Social Sciences and Humanities

Prof. Dr. Wael B. Hallaq / Colombia University

Prof. Wael B. Hallaq of Columbia University has been awarded with 2020 TÜBA Academy Prize in the Social Sciences and Humanities for his works on Islamic law studies within the scope of Islamic jurisprudence history; especially analyses on issues such as ijihad-fatwa-qada, the problem of authenticity, production of legal knowledge, the closure of the gate of ijihad, and new insights brought on the critiques of orientalism-modernity.

Health and Life Sciences

Prof. Dr. Murat Günel / Yale University

Prof. Dr. Murat Günel of Yale University has been awarded with 2020 TÜBA Academy Prize in the Health and Life Sciences for his works on identification of inherited genetic mutations that cause vascular diseases involving the nervous system and cortical developmental disorders and elucidating their mechanisms.

Basic and Engineering Sciences

Prof. Dr. Erik Jeppesen / Middle East Technical University

Prof. Okyay Kaynak / Boğaziçi University

Prof. Dr. Erik Jeppesen of Middle East Technical University has been awarded with 2020 TÜBA Academy Prize in the Basic and Engineering Sciences for his works on the protection of fragile freshwater ecosystems, lakes and rivers on a global basis, and the effects of global climate change on aquatic ecosystems.

Prof. Dr. Okyay Kaynak of Boğaziçi University has been awarded with 2020 TÜBA Academy Prize in the Basic and Engineering Sciences for his works and contributions on the sliding mode control method developed by using artificial intelligence and artificial neural network techniques in his applications and studies in the fields of industrial process control, aviation, vehicle control, robotics, and automation.

**Academy Prize Laureates in the last four years.*



**2024 TÜBA
ACADEMY PRIZES**



TURKISH ACADEMY OF SCIENCES

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TÜBA Academy Prizes were launched in 2015 in appreciation and encouragement of eminent scientists.

TÜBA Academy Prizes are annually awarded to the nominated scientists each being in one of the following categories of sciences namely; 1) Basic and Engineering sciences, 2) Health and Life sciences and 3) Social Sciences and Humanities.

TÜBA Academy Prizes are given to those scientists with original, leading and path-breaking works in their fields. One prize is awarded in each category and every year one of the prizes is awarded to scientists related with Türkiye or Turkish issues, meaning those who work in Türkiye and/or study Türkiye. Academy Prize in Health and Life Sciences is designated as the Türkiye related prize for this year.

Nominations are made by TÜBA members, science academies and inter-academy organizations and other international science institutions which are related with TÜBA. Members of TÜBA and those who take part in the evaluation process of the prizes cannot be nominated. The nominees should not have received any another science award from public institutions and organizations in Turkey for last three years.

The nominees are evaluated by a Prize Committee in each category. The Committees, composed of TÜBA members and renowned scientists, examine the works of the candidates via a rigorous process involving peer-review and identify the possible prize laureates. The laureates are announced by the Academy Council of TÜBA. The Academy Prizes, comprising an Academy Medal and prize money of about 30.000 USD for each, are awarded in a special ceremony. The Prize Ceremony is held under the auspices of the President of the Republic of Turkey.

2023*

**ACADEMY PRIZE
LAUREATES**

Health and Life Sciences

Prof. Dr. Caner Süsal / Koç University

Prof. Dr. Serdar Durdağı / Bahçeşehir University

2023 TÜBA Academy Award was awarded to Prof. Dr. Caner Süsal, Faculty Member of Koç University Faculty of Medicine, for his outstanding work in organ transplantation with his studies in transplantation of highly sensitized patients, the role of non-HLA immunity and the CD30 molecule in the alloimmune response. He was honored for his contributions to organ transplantation through his work on the induction of insensitivity to the kidney allograft, the identification of markers reflecting the balance between the effector and regulatory components of the alloimmune response, and the preparation of international guidelines.

2023 TÜBA Academy Award was awarded to the Dean of Bahçeşehir University Faculty of Pharmacy Prof. Dr. Serdar Durdağı, for the development of new codes for the creation of ligand-based models with machine learning approaches, was chosen due to his contributions to academia and the pharmaceutical industry through the virtual screening of ultra-large molecule databases, the design of new drug molecules and the hERG1 3D potassium ion channel models (Durdagi/Noskov hERG1 K Models), which are mentioned in the literature with the researchers own name.

Basic and Engineering Sciences

Prof. Dr. Derviş Karaboğa / Erciyes University

2023 TÜBA Academy Award was awarded to Prof. Dr. Derviş Karaboğa, faculty member of the Department of Computer Engineering at Erciyes University's Faculty of Engineering and the Director of the Artificial Intelligence Center, his significant contributions to the field of engineering. He particularly distinguished himself by developing the "Artificial Bee Colony algorithm," an optimization algorithm widely used in artificial intelligence applications, thus making important contributions to the world of science and the advancement of technologies. Additionally, his original contributions in applying his research to Energy Efficiency and Health have led to his recognition in these areas as well.

2022*

**ACADEMY PRIZE
LAUREATES**

Social Sciences and Humanities

Prof. Dr. Amnon Cohen / Hebrew University of Jerusalem

2022 TÜBA Academy Award be favored 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.

Health and Life Sciences

Prof. Dr. Joseph Jao-Yiu Sung / Nanyang Technological University

2022 International TÜBA Academy Award be favored to, Nanyang Technological University Lee Kong Chian Faculty of Medicine Dean Prof. Dr. Joseph Jao-Yiu Sung; Helicobacter pylori first-time short-term occurrence of gastric ulcers associated with He can be treated with the use of antibiotics and peptic ulcer bleeding can be treated endoscopically that he is a scientist who showed that treatment can be cured without the need for surgery, and that these two It was favored for its unique, pioneering and groundbreaking treatment approaches.

Basic and Engineering Sciences

Prof. Dr. Joseph Wang / University of California, San Diego (UCSD)

2022 TÜBA International Academy Award be favored to, UCSD, Nanoengineering Department lecturer and Wearable Sensors Center (UCSD) Director Prof. Dr. Joseph Wang; he is 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 that push the boundaries of healthcare systems.