

2019

**ACADEMY PRIZE
LAUREATES**

Social Sciences and Humanities

Prof. F. Jamil Ragep / McGill University, Canada

F. Jamil Ragep for his works that broadened the time and space horizons of the history of Islamic science, and especially for his researches on the ways in which Nasiruddin Tûsî, İbn Şâtir and Ali Kuşçu's astronomy studies were transferred to Europe in the pre-modern period and showed the effects of the emergence of Copernican astronomy.

Basic and Engineering Sciences

Prof. Dr. Adrian Bejan / Duke University, USA

Adrian Bejan for his remarkable number of creative works such as combining thermodynamics and heat transfer in the field of thermodynamics, developing design as a science that brings together all fields, and putting forth "Structural Theory".

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Social Sciences and Humanities

**Prof. Dr. Bold Luvsandorj / Mongolian Academy of Sciences
Prof. Dr. Viorel Panaite / University of Bucharest, Romania**

Bold Luvsandorj, of Mongolian Academy of Sciences, received the prize, together with Viorel Panaite, in Social Sciences and Humanities in recognition of his works in Turkic and Mongolic languages, the links between them and especially in the Uighur-Uriankhai and Sayan languages.

Viorel Panaite, of University of Bucharest, received the prize, together with Bold Luvsandorj, in Social Sciences and Humanities in recognition of his works in Ottoman conception of international law, especially law of war and peace and the Ahdnames.

Health and Life Sciences

Prof. Dr. Fatih Mehmet Uckun / Minnesota University, USA

Fatih Mehmet Uckun, of Minnesota University and Ares Pharmaceuticals, has been awarded in the category of Health and Life Sciences in recognition of his works in new treatment modalities against CD19 improving the results in the treatment of leukaemia and lymphoma with worst prognosis.

Basic and Engineering Sciences

Prof. Dr. Jackie Y. Ying / NanoBio Lab, Singapore

Jackie Y. Ying, of NanoBio Lab, Singapore, received the prize in Basic and Engineering Sciences in recognition of her works in the synthesis and applications of advanced nanostructured materials for biomedical, catalytic, energy and advanced materials applications.



**2022 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 Turkey or Turkish issues, meaning those who work in Turkey and/or study Turkey. Academy Prize in Social Sciences and Humanities is designated as the Turkish connection prize for this year.

Nominations are made by TÜBA members, university rectors, world science academies, international academic institutions and other individuals and institutions invited by TÜBA as nominators. Members of TÜBA and those who take part in the evaluation process of the prizes cannot be nominated. And also the nominees shouldn't 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.

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.

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.