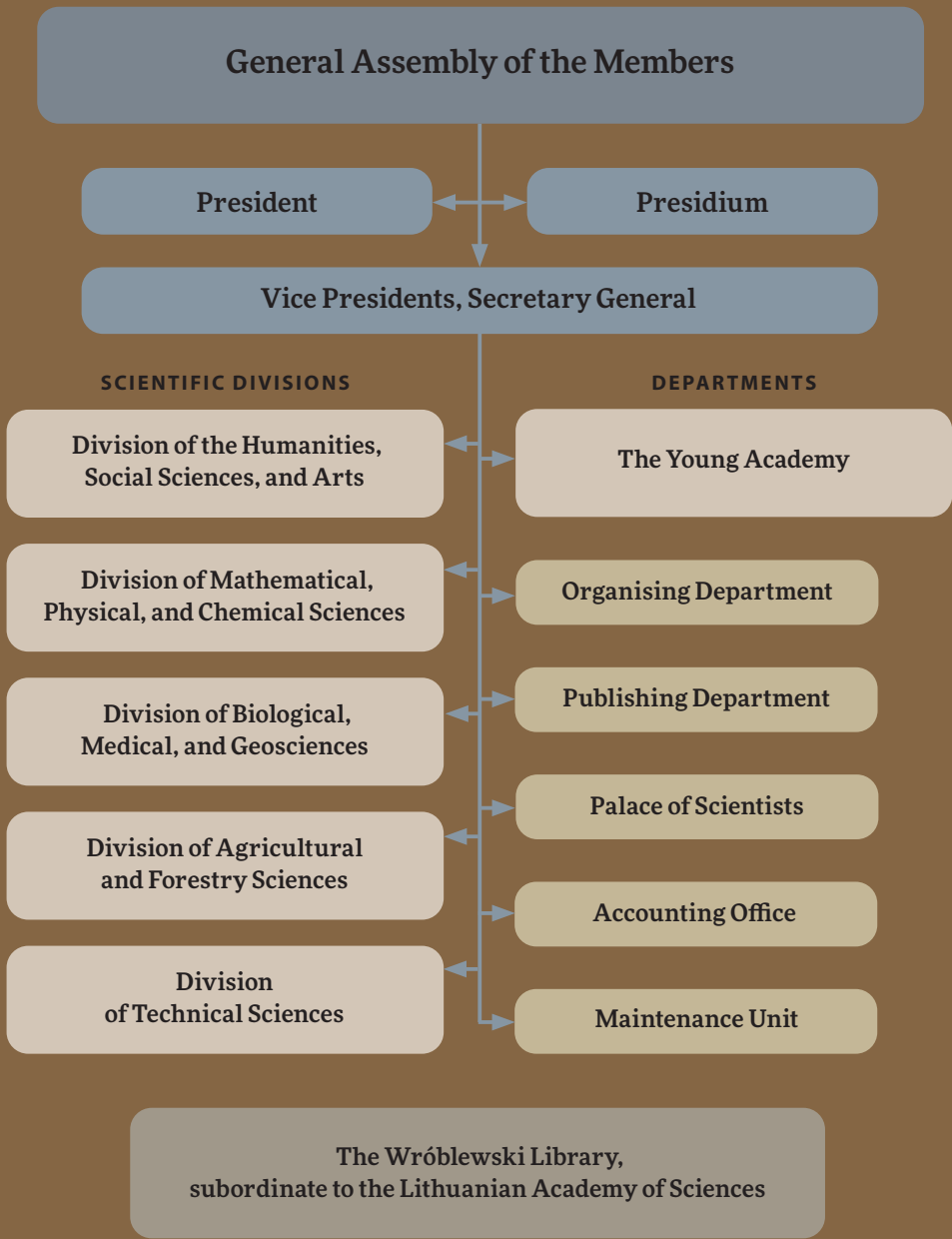


2026



LITHUANIAN ACADEMY OF SCIENCES

STRUCTURE OF THE LITHUANIAN ACADEMY OF SCIENCES



PAGES FROM HISTORY

THE HISTORY OF THE LITHUANIAN ACADEMY OF SCIENCES mirrors the complexity of Lithuania's own fate. While the Age of Enlightenment spurred scientific progress in Western Europe, for Lithuania it coincided with the collapse of the old state and a shift of the struggle for survival into the fields of culture and science. This period saw the flourishing of Vilnius University – then the largest in the Russian Empire – until its closure in 1831.

The idea of a national academy of sciences emerged while Lithuania still had its own intellectual centre, the University. At the end of the eighteenth century, Professor Martynas Počobutas and his university colleagues drafted a plan for a Vilnius Academy of Sciences, though it was never realised. In practice, the University and early scholarly societies partly fulfilled this role.

During the years of Russian imperial rule, Lithuania had hardly any higher education institutions. Alongside national oppression

came restrictions on scientific development, threatening the nation's cultural survival. Educated Lithuanians – aristocrats and democrats alike – took on the mission of preserving and promoting scholarship. A major step was the founding of the Vilnius Archaeological Commission (1855–1864), which successfully negotiated the transfer of Vilnius University's former assets – including its facilities, library, and collections – from the imperial administration, revived scientific publishing and public education, and established the first public museum and library.

At this stage, both the Polish-speaking tradition of the old Grand Duchy and emerging Lithuanian identity still coexisted. After the failed 1863–1864 uprising, however, Russian repression cut short this potential synthesis.

The idea of founding an academy of sciences resurfaced during the national revival movement at the turn of the twentieth century. Lithuanian intellectuals understood that without developing





The historical seal
of the Lithuanian
Academy
of Sciences. 1941

national scholarly capacity, the nation could not survive. Leaders such as Dr Jonas Basanavičius in Lithuania and Dr Jonas Šliūpas abroad promoted this vision. Following the legalisation of Lithuanian cultural activities after the 1905 revolution, the Lithuanian Scientific Society was founded in 1907, serving as the historical precursor to the Lithuanian Academy of Sciences.

After the restoration of Lithuania's independence on 16 February 1918, discussions regarding the structure of a national academy centred on whether it should operate as a non-governmental association or a state-sponsored institution. The intellectual elite viewed the academy as both a vital research hub and a hallmark of national prestige. Formally, the actual process of the founding of the Lithuanian Academy of Sciences commenced with the drafting of the Academy's statutes in 1928 and the establishment of the Antanas Smetona Institute of Lithuanian Studies in 1939.



Vincas Krėvė-Mickevičius (1882–1954).

From the collections of the Library of the Institute
of Lithuanian Literature and Folklore

The Lithuanian Academy of Sciences was officially established on 16 January 1941 on the basis of the Institute of Lithuanian Studies, with Professor Vincas Krėvė-Mickevičius as its first president. Today, it is a full member of international scientific organisations representing the interests of Lithuania's scientific community.

MISSION

FROM A GLOBAL PERSPECTIVE, academies of sciences are not homogeneous. They differ in their objectives, methods of operation, and their importance within their countries' systems of higher education and research. Yet the common mission of all academies of sciences is to bring together the most distinguished researchers and undertake initiatives that would enhance the country's well-being and its scientific, social, cultural, and economic development. Academies of sciences are also united by traditional goals: consistent promotion of high-quality studies and research, fostering of critical scientific thinking in society, and nurturing of academic and scientific freedom and research ethics.

The Lithuanian Academy of Sciences fulfils its mission by ensuring continuous and active promotion of education and science. This is done in various forms: thematic conferences, meetings, seminars, and discussions. These events are organised not only among the members of the Academy, but also between the Academy and other research

and academic institutions, both in Lithuania and abroad. Dissemination of education and science, which is essential for progress, is always international in scope and includes publishing.

Together with its members and partners, the Lithuanian Academy of Sciences promotes critical thinking among the public and a scientific approach to national and societal processes. One of the Academy's functions involves delivering expert assessments. The Academy develops and implements policies for the popularisation and dissemination of science, publishes state-funded scientific journals, and coordinates projects and activities in these areas.

The ever-evolving Academy and the community of the academicians are fully capable of undertaking initiatives and projects and promoting increasingly advanced research that would strengthen the country's prosperity, contribute to scientific, economic, social, and cultural progress, and represent Lithuania on the international stage.



STRUCTURE

MEMBERS OF THE LITHUANIAN ACADEMY OF SCIENCES

THE LITHUANIAN ACADEMY OF SCIENCES is a state budget-funded institution that brings together the most outstanding Lithuanian scientists and scholars and those prominent foreign researchers whose work associates them with Lithuania. In exceptional cases, recognised artists and writers are also elected to the Academy. The corps of the academicians consists of full members, members emeriti, and foreign members. The Academy may have up to 120 full members, who become members emeriti at the age of 75. The number of members emeriti and foreign members is not limited. Each academician is also a member of one of the scientific divisions of the Lithuanian Academy of Sciences. Members of the Academy are elected for life. The full members have the right to vote in the elections of full and foreign members.



President Vytautas Nekrošius

BETWEEN SESSIONS OF THE GENERAL ASSEMBLY OF THE MEMBERS OF THE ACADEMY, its activities are managed by the president of the Academy, and the presidium. The president and presidium members are elected from among the full members of the Academy by its full members and members emeriti.



As of 2026, members of the presidium of the Academy are: *first row, left to right*, professors Juozas Augutis, Leonas Valkūnas, Aušra Maslauskaitė, Vytautas Nekrošius (president), Aurelija Žvirblienė, Vidmantas Stanys, Zenonas Dabkevičius, *second row, left to right*, Ričardas Makuška, Aivaras Kareiva, Gintautas Dzemyda, Jūras Banys, and Limas Kupčinskas



ACTIVITIES

NATIONAL ACTIVITIES

IN ITS ENDEAVOUR TO DISSEMINATE INFORMATION about the achievements and strategic goals of Lithuanian scientists in various regions of the country, the Lithuanian Academy of Sciences has signed cooperation agreements with eleven municipalities. To fully realise its expert potential, the Academy has entered into agreements with ministries, nine state research institutes, the Lithuanian Olympic Academy, the INFOBALT Association, the Lithuanian Laser Association, and various business organisations.

The Lithuanian Academy of Sciences serves as an independent expert and advisor to the Seimas, the Government of the Republic of Lithuania, and its subordinate institutions in the fields of science and higher education, culture, social development, economics, environmental protection, healthcare, technology, and other areas. On behalf of the government, the Academy coordinates the work of the Commission for Science Prizes of Lithuania.

In addition, every year the Academy awards ten scholarships to young researchers and doctoral students as well as fifteen prizes to the students in higher education involved in research activities. It has established a number of scholarships to young scholars. To recognise the achievements of scientific research conducted in various fields in Lithuania and to encourage scientists' creative work, the Academy periodically organises competitions for nineteen prizes named after distinguished Lithuanian scientists and luminaries.

INTERNATIONAL RELATIONS

THE LITHUANIAN ACADEMY OF SCIENCES represents Lithuania in international organisations that bring together academies of sciences and other research institutions: the European Federation of Academies of Sciences and Humanities (ALLEA), the International Science Council (ISC), the European Academies Science Advisory Council (EASAC), the InterAcademy Partnership (IAP) and others. The Academy

takes part in the work of these organisations by addressing global problems and disseminating information in Lithuania about situation analyses conducted and science-based solutions proposed.

The Lithuanian Academy of Sciences promotes and organises collaboration between Lithuanian and foreign research centres and individual scientists by supporting relations of Lithuanian researchers with foreign academies of sciences and other institutions with the assistance of its foreign members and by organising international events relevant to research, development, and innovation.

Outstanding foreign scientists whose research activities are associated with the Republic of Lithuania are elected foreign members of the Lithuanian Academy of Sciences. At present, the Academy has 64 foreign members, and several foreign academies have members of

Lithuanian Academy of Sciences as their foreign members as well. The Lithuanian Academy of Sciences actively supports and funds international mobility of researchers **THROUGH 30 BILATERAL**

AGREEMENTS WITH FOREIGN PARTNERS:

academies of Austria, Estonia, Latvia, Poland, Hungary, Czech Republic, the Berlin-Brandenburg Academy of Sciences and Humanities, the British Academy, the Council of Lindau Nobel Laureate Meetings and the Foundation of Lindau Nobel Laureate Meetings at Lake Constance, the Royal Society, the Norwegian Academy of Science and Letters, the Slovenian Academy of Sciences and Arts, and others. The exchange programmes outlined in these agreements are accessible to researchers from all scientific and research organisations in Lithuania. They broaden the possibilities for scientists from Lithuania to work at international research centres, gain knowledge and experience abroad, receive foreign partners, and to carry out joint research projects.





Annual council meeting of the European Academies Science Advisory Council (EASAC). Nicosia, 21–22 May 2026. Photo Yiannis Kourtoglou



Jūras Banys, *left*, and Zenonas Dabkevičius, *right*, then president and vice president of the Lithuanian Academy of Sciences, with Bettina Rockenbach, president of the German Academy of Sciences Leopoldina, at Hamburg Science Summit 2025 'Europe's Innovation Challenge', 18 September 2025.

From Prof. Zenonas Dabkevičius's personal archive



A visit of Algis Mickūnas, a foreign member of the Lithuanian Academy of Sciences, one of the most prominent philosophers of the Lithuanian diaspora, and a professor emeritus at Ohio University (USA), at the Lithuanian Academy of Sciences on 26 February 2026



Inauguration of Prof. Vytautas Nekrošius, president elect of the Lithuanian Academy of Sciences. *Left to right*, Jūras Banys, former president of the Lithuanian Academy of Sciences, Marek Konarzewski, president of the Polish Academy of Sciences, Mart Saarma, president of the Estonian Academy of Sciences, Ivars Kalviņš, president of the Latvian Academy of Sciences, and Vytautas Nekrošius, president of the Lithuanian Academy of Sciences. 3 March 2026



DIVISION OF THE HUMANITIES, SOCIAL SCIENCES, AND THE ARTS

THE MEMBERS OF THE DIVISION are actively involved in the development of scholarship in Lithuanian language and literature, folklore studies, the history, culture, and ethno-culture of Lithuania, heritage, philosophy, economics, sociology, communication, psychology, political science, and international and civil law. At present, the division has **22 FULL MEMBERS, 13 EMERITI MEMBERS, AND 9 FOREIGN MEMBERS**, among them Prof. Robert J. Shiller, one of the winners of the 2013 Nobel Prize in Economics. The academicians' works have a profound impact on Lithuanian studies, public self-awareness, and the state. Viktorija Daujotytė-Pakerienė's literary phenomenology books of the last decades reveal in a distinctive way the contact of literature with other spheres of life. Giedrius Kuprevičius's musical creation and the works that contextualise it reflect modern changes in musical culture. The projects of the architect Rolandas Palekas are recognised in Lithuania and abroad and have been awarded prestigious prizes. Works by historians Egidijus Aleksandravičius, Zigmantas Kiaupa, Rimvydas

Petrauskas, and Darius Staliūnas, archaeologists Eugenijus Jovaiša, Albinas Kuncevičius, and Vladas Žulkus, the Lithuanian book researcher and cultural historian Domas Kaunas, literary scholars Vytautas Martinkus, Dainora Pociūtė-Abukevičienė, and Jūratė Sprindytė, Baltic and Prussian scholars Grasilda Blažienė and Bonifacas Stundžia, the linguist Ineta Dabašinskienė, art historians Algirdas Gaižutis, Rūta Janonienė, and Dalia Klajumienė, the musicologist Gražina Daunoravičienė, the philosopher of Lithuanian culture and art, comparativist Antanas Andrijauskas, the philosopher Indologist Audrius Beinorius, the philosopher and political scientist Alvydas Jokubaitis, the philosopher Tomas Kačerauskas, sociologists Aušra Maslauskaitė, Arvydas Virgilijus Matulionis, and Zenonas Norkus, economists Antanas Buračas and Romas Lazutka, lawyers Pranas Kūris, Valentinas Mikelėnas, and Vytautas Nekrošius, the psychologist Evaldas Kazlauskas, the communications scientist Andrius Vaišnys deepen the achievements in the respective fields of Lithuanian scholarship. In

pursuit of the mission of the Lithuanian Academy of Sciences, the members of the Division of the Humanities, Social Sciences, and the Arts are particularly active in the public life of Lithuania, contributing significantly to public education and civic initiatives, strengthening public critical thinking and trust in science, and carrying out relevant and significant work in nurturing civic spirit of the population and academic youth.

Every year, the division, which is currently headed by Aušra Maslauskaitė, organises numerous academic conferences and roundtable discussions on topical issues of science, art, and culture, preservation of heritage values, and societal development. It carries out various expert assessments on the assignments of national and foreign institutions, participates in national and international programmes, in the work of governmental institutions and NGOs, in the work of the editorial boards of national and foreign scientific journals, and is involved in partnership with regions.

Members of the division have earned international recognition: they are foreign members of academies of sciences of other countries, have honorary doctorates of foreign universities, are members of international scientific organisations, committees, federations, and qualified experts in the evaluation of international programme projects.

Every year, the academicians publish 15–20 monographs, books, and other publications, author 70–80 scientific articles in national and foreign research publications, write over 70 science popularisation articles, deliver 60–70 lectures to the public, are particularly active in radio and TV programmes, produce original programmes, give interviews, and comment on web pages and social media.

To improve the work of the division and create favourable conditions for the activities of its members, the academicians are grouped in three sections: the Humanities Section (headed by Grasilda Blažienė), the Social Sciences Section (headed by A. V. Matulionis), and the Arts Section (headed by Dalia Klajumienė).





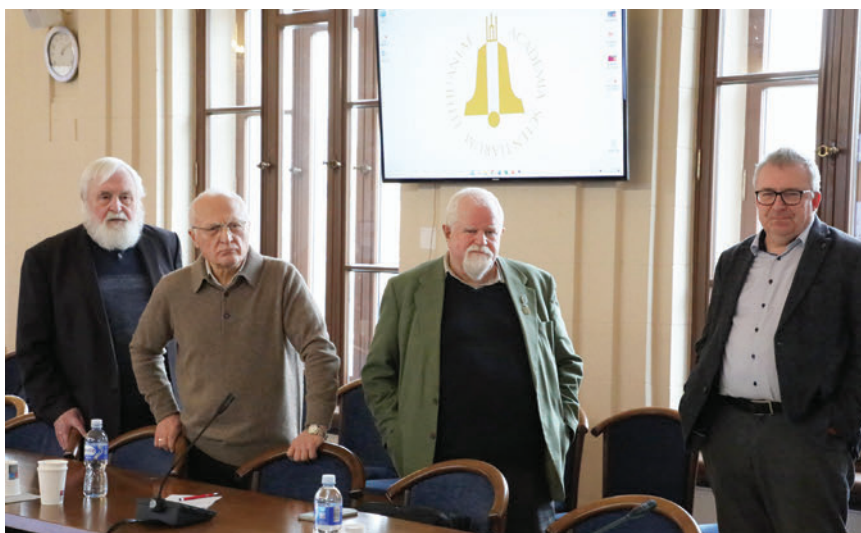
*Left to right, academicians
Dainora Pociūtė-Abukevičienė,
Aušra Maslauskaitė, and
Dalia Klajumienė*

*Members of the Division
of the Humanities, Social Sciences,
and the Arts. February 2024*





A discussion.
Left to right, academicians
 Albinas Kuncevičius,
 Alvydas Jokubaitis,
 Egidijus Aleksandravičius,
 Rimvydas Petrauskas,
 and Darius Staliūnas



Left to right,
 academicians Zigmantas
 Kiaupa, Bonifacas
 Stundžia, Arvydas
 Virgilijus Matulionis,
 and Vytautas Nekrošius



DIVISION OF MATHEMATICAL, PHYSICAL, AND CHEMICAL SCIENCES

THE DEPARTMENT was established in 1990, following the reorganisation of the former Division of Physics, Mathematics, and Technology into two separate departments and the integration of chemists with the physicists and mathematicians. Currently, the division is headed by Ričardas Makuška. With **27 FULL MEMBERS, 14 EMERITI MEMBERS, AND 10 FOREIGN MEMBERS**, including Prof. Gérard Mourou, a winner of the 2018 Nobel Prize in Physics, the Division of Mathematics, Physics, and Chemistry is the second largest in the Lithuanian Academy of Sciences. The activities of the division are conducted in three sections: Mathematics (chaired by Mifodijus Sapagovas), Physics (Gintautas Tamulaitis), and Chemistry (Gediminas Niaura).

Donatas Sargailis, a representative of the older generation of the world-renowned Lithuanian school of mathematics, has developed the theory of anisotropic random fields and long-range dependence processes while studying fundamental problems in probability theory. Academicians Remigijus Leipus and Jonas

Šiaulys continue developing Sargailis's ideas on non-homogeneity in financial and insurance mathematics and in risk theory. Artūras Dubickas is developing the theory of algebraic numbers not only as a fundamental tool in pure mathematics but also as a mathematical model for coding, encryption, and data transmission processes. Konstantinas Pileckas's research focuses on differential equations and their applications. After solving several major problems in hydrodynamics, in recent years he has assembled a team of mathematicians, computer scientists, and medical professionals to study problems related to the human heart and blood vessels.

The physicist Audrius Dubietis is one of the inventors of the parametric chirped-pulse amplification method and is developing methods for generating ultrashort light pulses. The astrophysicist Gražina Tautvaišienė studies the chemical evolution of stars and the Galaxy and conducts ground-based observations for the space missions of the European Space Agency (ESA) and the National Aeronautics and Space Administration (NASA).

Vidmantas Gulbinas focuses on ultrafast laser spectroscopy and studies organic and hybrid semiconductors. Gintautas Tamulaitis studies the transport and recombination processes of nonequilibrium charge carriers in nitride semiconductors and fast scintillators, collaborates with the European Organisation for Nuclear Research (CERN). Gintaras Valušis's research interests include semiconductor optoelectronics and terahertz (THz) physics, with a focus on applications of structured THz light for imaging and 6G wireless communications. Gediminas Račiukaitis is exploring new ways of processing materials by laser light, develops high-energy-pulse fibre lasers and amplifiers, participates in the activities of the Extreme Light Infrastructure (ELI).

The chemist Vytautas Getautis is actively engaged in the field of organic optoelectronics, synthesises and studies perovskite and organic dye-sensitised solar cells. Almira Ramanavičienė and Arūnas Ramanavičius

apply electrically conductive polymers in analytical and bioanalytical systems, develop electrochemical, optical, and piezoelectric biological sensors. Aivaras Kareiva synthesises multicomponent metal oxides using the sol-gel method, synthesizes bioceramic materials, and applies them in medical technologies. Gediminas Niaura is widely known for his work in the fields of surface and biomolecular vibrational spectroscopy, spectroelectrochemistry, and surface-enhanced Raman spectroscopy.

The members of the division conduct expert evaluations, are members of the Research Council of Lithuania, commissions and expert groups of the Ministry of Education, Science, and Sport of Lithuania, and serve as experts on councils, committees, and commissions of the European Union and other international scientific organizations. They are engaged in the work of the Commission for Lithuanian Science Prizes.





Members of the Division
of Mathematical, Physical,
and Chemical Sciences.
February 2025

Physicists Prof. Gediminas
Juzeliūnas, *left*, and Prof. Jūras Banys



Physicist Prof. Gražina
Tautvaišienė, *left*, and chemist
Prof. Almira Ramanavičienė

Left to right, physicist
Prof. Vidmantas Gulbinas,
chemists Prof. Gediminas
Niaura and Prof. Ričardas
Makuška



DIVISION OF BIOLOGICAL, MEDICAL, AND GEOSCIENCES

THE DIVISION OF NATURAL SCIENCES was established in 1941. Its name changed several times between then and 1995, when, following the reorganisation of the Division of Biological, Medical, and Agricultural Sciences, the Division of Biological, Medical, and Geosciences and the Division of Agricultural and Forestry Sciences were established. Since 2022, the division has been chaired by Limas Kupčinskas. Currently the largest, it has **24 FULL MEMBERS, 19 EMERITI MEMBERS, AND AS MANY AS 20 FOREIGN MEMBERS.**

Depending on the fields of science, activities within the division carried out in four sections – General Biology (chair Sigitas Podėnas), Biophysical Sciences (chair Kęstutis Sasnauskas), Geosciences (chair Jūratė Kriaučiūnienė), Medical and Health Sciences (chair Rūta Dubakienė) and in three commissions – Allergology (chair Dubakienė), Mother and Child (chair Arūnas Valiulis), and the Climate Commission of the Lithuanian Academy of Sciences (chair Arūnas Bukantis). The most significant monographs of recent years have been

written by Mečislovas Žalakevičius, Aleksandras Laucevičius, Jonas Naujalis, and Algimantas Grigelis. The work carried out by the members of the division and the teams they lead has been recognised with the Lithuanian Science Prizes, the Baltic Assembly Prizes, the National Progress Award, and orders of the Republic of Lithuania. Virginijus Šikšnys was honoured with Warren Alpert Foundation Prize (Harvard University, USA), the Novozymes Prize (Denmark), and the Kavli Prize (Norway); in 2026, he was elected chair of the Council of the European Molecular Biology Laboratory (EMBL). Saulius Klimašauskas became the first Lithuanian scientist to receive a prestigious grant from the European Research Council. BIO CITY – one of Europe's largest biotechnology centres dedicated to the production of components used in gene and cell therapy – was opened in 2024 at the initiative of Vladas Algirdas Bumelis.

The General Biology Section brings together leading experts in the fields of general and human genetics, ecology, zoology, botany,

ornithology, and parasitology. The members of this section conduct research in population genetics (Vaidutis Kučinskas), the impact of climate change on Arctic coastal ecosystems (Sergei Olenin), taxonomic, faunistic, and biogeographic research (Sigitas Podėnas), molecular oncology and personalised medicine (Sonata Jarmalaitė), parasitology (Gediminas Valkiūnas), and insect entomology (Vincas Būda).

The Section of Biophysical Sciences unites leading scientists in molecular biology, biochemistry, immunology, biotechnology, biophysics, and bioinformatics. They are conducting research in CRISPR-Cas genome editing (Virginijus Šikšnys), recombinant protein production (Vladas Algirdas Bumelis), epigenetic (Saulius Klimašauskas), immunodiagnostics (Aurelija Žvirblienė), bioinformatics (Česlovas Venclovas), mechanisms of neurodegenerative diseases (Vilmantė Borutaitė), microtechnology, gene expression (Linas Mažutis), and drug development (Daumantas Matulis). Arvydas Janulaitis established the Future Biomedicine Fund to support research in personalised medicine.

The Section of Medical and Health Sciences brings together the country's most prominent medical specialists, who have been conducting

long-term research in the fields of gastroenterology and hepatology (Limas Kupčinskas), abdominal surgery (Kęstutis Strupas), cardiovascular diseases and cardiac surgery (Remigijus Žaliūnas, Aleksandras Laucevičius, Rimantas Benetis), neurological diseases (Daiva Rastenytė), anthropology (Rimantas Jankauskas), pathology (Arvydas Laurinavičius, Vaiva Lesauskaitė), and allergology (Rūta Dubakienė).

The Geosciences Section brings together representatives from the fields of geography, geology, hydrogeology, hydrology, and climatology. Their main areas of research include Quaternary sediment stratigraphy, sedimentology, geomorphology (Albertas Bitinas), extreme climate events (Arūnas Bukantis), the impact of climate change and anthropogenic activities on water bodies (Jūratė Kriauciūnienė), radionuclide migration in the environment (Jonas Mažeika), and interdisciplinary climate change research (Egidijus Rimkus).

The latest advances in health, life sciences, and geosciences are presented to the public at the annual conferences 'Bioateitis' (Biofuture), 'Immunology Day in Lithuania', and 'Perspectives in Health and Life Sciences' for Lithuanian biology teachers. The division organizes scientific forums dedicated to the hepatitis C elimination programme in Lithuania.





Members of the Division of Biological, Medical, and Geosciences at a meeting.
Left to right, academicians Zita Aušrelė Kučinskienė, Vaidutis Kučinskas, Arūnas Bukantis, Jūratė Kriauciūnienė, Gediminas Valkiūnas, Mečislovas Žalakevičius, Kęstutis Kilkus, Vytautas Jonas Sirvydis, Vytautas Basys, and Juozas Kulys. January 2025

International congress on the elimination of hepatitis C. September 2024



At the opening of
the Celltechna Gene
Therapy Centre in the
BIO CITY biotechnology
park in September 2024.

Ingrida Šimonytė,
the former prime
minister of the Republic
of Lithuania, and
Academician Vladas
Algirdas Bumelis, the
founder of the centre



Members of the Division of Biological, Medical, and Geosciences. January 2025



DIVISION OF AGRICULTURAL AND FORESTRY SCIENCES

THE DIVISION was established in 1995, following the reorganisation of the Department of Biological, Medical, and Agricultural Sciences. Veronika Vasiliauskienė, Albinas Kusta, and Zenonas Dabkevičius served as chairs of the newly established chapter, two terms each. The current chair of the division is Vidmantas Stanys. The department has **17 FULL MEMBERS, 12 EMERITI MEMBERS, AND 11 FOREIGN MEMBERS**, whose activities are organised in five scientific sections: Agronomy (chair Giedrė Samuolienė), Forestry (Darius Danusevičius), Veterinary Medicine and Animal Sciences (Mindaugas Malakauskas), Agricultural and Environmental Engineering (Egidijus Šarauskis), and Food Sciences (Pranas Viškelis). The division is also in charge of the Lithuanian Society of Soil Scientists (chaired by Jonas Volungevičius) and the activities of the Water Council of the Lithuanian Academy of Sciences (chaired by Arvydas Povilaitis).

The division's activities focus on the solutions to the most pressing scientific issues in agriculture and

forestry, food, animal husbandry and veterinary medicine, environmental engineering, plant and animal biology, and related fields and disciplines, as well as on dissemination of scientific results and promotion of experimental development and innovation. Considerable attention is given to inter-institutional, interdisciplinary, and international relations and to elevation of the prestige of agricultural sciences.

The members of the division have conducted considerable and noteworthy research: Stasys Karazija is the founder of forest typology, Algirdas Sliesaravičius – the pioneer of plant biotechnology research in the country. Veronika Vasiliauskienė is one of the founders of the school of forage her-bology, Albinas Kusta is among of the initiators of the Nemunas Science, Studies, and Business Valley, while Zenonas Dabkevičius is a nurturer of the school of plant pathology. Vidmantas Stanys is an expert in horticultural genetics, Vytautas Ruzgas in winter wheat genetics, and Darius Danusevičius in forest plant genetics, biotechnology, and

breeding – all three are also plant breeders; Alfars Pliūra is a researcher of genetic diversity of forest plants. Česlovas Jukna is a pioneer in modern technologies for livestock nutrition, while Vytautas Konstantinas Sirvydis conducts research into modern technologies for poultry nutrition; Henrikas Žilinskas specialises in improving the reproductive traits of livestock, Vidmantas Bižokas in veterinary surgery and lymphology, and Antanas Sederevičius in the diagnostics of gastrointestinal diseases in cattle, serving as both researchers and organizers of scientific work. Pavelas Duchovskis is a leading figure in the fields of plant ontogeny, plant physiology, and ecophysiology; Algirdas Juozas Motuzas is a Lithuanian soil researcher and the author of a soil classification system. Arvydas Povilaitis specialises in water resources and their use, while Algirdas Jonas Raila focuses on thermo-energy processes in biotechnology; Pranas Viškelis is a developer of innovative, biologically valuable food processing technologies and products derived from plants. Žydrė Kadžiulienė is a researcher and expert in grassland management, agroecology, and environmental science, Gediminas Staugaitis in agrochemistry and soil science, and Egidijus Šarauskis in soil tillage technology engineering. Giedrė Samuolienė focuses her research on plant productivity physiology, photophysiology

and ecophysiology, morphogenesis, and the initiation of flowering; Elena Bartkienė is a researcher specialising in primary agricultural food production, the development of food (bio) technologies. Kęstutis Armolaitis is an expert in forestry, ecology, and environmental science; Mindaugas Malakauskas specialises in the epidemiology of bacteria pathogenic to animals. Dainius Steponavičius conducts research into harvesting machine operations and structural and technological parameters; Gediminas Brazaitis seeks synergistic solutions to address the two greatest challenges facing humanity today – the negative effects of climate change and the loss of biodiversity. Modestas Ružauskas's veterinary microbiology research areas include 'One Health, One Well-Being', bacterial resistance to antibiotics, and research on animal microbiomes in relation to health and well-being.

The members of the division participate in numerous international and national research programmes and projects, conduct expert assessments. They actively collaborate with business representatives in developing nutritionally valuable food products, creating new technologies, and functional food prototypes, carrying out research and innovation projects, and providing consulting.





Participants in the seminar-discussion 'Is a shipping route on the Neris River feasible: challenges and opportunities'. *Right, standing*, Prof. Arvydas Povilaitis. March 2025



Participants in the 14th international conference 'Young scientists for agricultural progress'. November 2025



Participants in the meeting
'Innovative Technologies in
Veterinary Studies' of the
Division of Agricultural and
Forestry Sciences. April 2026

Participants in the annual electoral meeting of the Division
of Agricultural and Forestry Sciences. January 2026



DIVISION OF TECHNICAL SCIENCES

THE DIVISION OF TECHNICAL SCIENCES was established in 1990 and is currently headed by Gintautas Dzemyda. It has **22 FULL MEMBERS, 9 EMERITI MEMBERS, AND 13 FOREIGN MEMBERS**. The division has five research sections corresponding to the fields of study they supervise.

Members of the Section of Electronics and Computer Science (chaired by Romas Baronas) are involved in the design and development of environmental protection technologies (Jurgis Kazimieras Staniškis). Innovative algorithms are being developed to solve complex global optimisation problems (Antanas Žilinskas), data analysis problems are being addressed through the development and application of artificial intelligence technologies (Gintautas Dzemyda, Olga Kurasova), and research is conducted in the field of developing physics-based computational models (Rimantas Barauskas). Through the application of computer modeling, research is focused on the examination of the influence of

bacterial oxygen consumption functions on the formation of population structure (Romas Baronas).

Researchers in the Section of Energy Sciences (chaired by Algirdas Kaliatka) are currently concentrating on the growing use of renewable energy sources worldwide and in Lithuania, on the role and prospects of nuclear energy, including small modular reactors (SMRs) (Jurgis Vilemas, Algirdas Kaliatka), on numerical studies of heat and mass transfer in energy and thermal engineering (Algis Džiugys), and on the search for energy security solutions, including the assessment of critical infrastructure, probability theory, risk analysis, and system reliability (Juožas Augutis).

Members of the Section of Mechanical Sciences (chaired by Minvydas Kazys Ragulskis) are engaged in the following areas of research: technology of microelectromechanical systems (Vytautas Ostaševičius), nonlinear dynamic systems (Minvydas Kazys Ragulskis), dynamics of mechanical, hydraulic, and pneumatic systems (Marijonas

Bogdevičius). Much attention is given to the application of additive manufacturing technologies in the development of multifunctional (bio) mechatronic systems (Rolanas Daukševičius).

The members of the Section of Materials Engineering (chaired by Sigita Tamulevičius) are engaged in the synthesis of and research in organic semiconductors for optoelectronic devices (Juozas Vidas Gražulevičius); they are seeking significant scientific results in the field of vacuum and plasma technology (Sigita Tamulevičius), are developing and refining instrumental analysis methods and applying them to the molecular analysis of biological objects (Audrius Sigita Maruška). Research is conducted in the field of processes of modeling of mass transfer and mechanisms during the nitriding and post-nitriding isothermal annealing of stainless steel (Arvidas Galdikas). New electroactive materials with novel structures are being developed and used in the design of organic light-emitting diodes (Saulius Grigalevičius). Research is focused on a comprehensive assessment of air pollution by particulate matter, including source identification, dispersion modeling, and analysis of ultrafine particles (Audrius Dėdėlė); functional food ingredients are being developed and studied (Petras Rimantas Venskutonis).

The research areas of the members of the Civil Engineering Section (chaired by Gintaris Kaklauskas) include engineering structures and their components, materials, macro- and micro-modeling of composite structures, and computational and fracture mechanics. The core subjects of study are centred on the modeling of building materials and structures (Rimantas Kačianauskas), the internet of things and biometric technologies (Artūras Kaklauskas), mechanics of reinforced concrete structures and numerical modeling of concrete structures (Gintaris Kaklauskas), cement chemistry and technology, synthesis and properties of calcium hydrosilicates (Raimundas Šiaučiūnas), and deflection modeling of layered reinforced concrete structures with partial stiffness at the layer interfaces (Juozas Valivonis).

The members of the Division of Technical Sciences have earned international recognition: they are foreign members of academies of sciences of other countries, honorary doctors of universities, members of international scientific organisations, journals, committees, and federations, and qualified assessment experts for projects of international programmes. Every year, they publish 3–4 monographs, release over 150 scientific articles, obtain about 10 patents, and actively collaborates with business representatives in developing new technologies, carrying out research and innovation projects, and providing consulting services.





Academician Gintautas
Dzemyda, chair of the
Division of Technical
Sciences. 2025

Members of the division visit the
laboratories of the Faculty of Transport
Engineering at VILNIUS TECH. 2025





Members of
the Division
of Technical
Sciences.
2025.

Photo from
the archive of
the Division
of Technical
Sciences



Academicians
of the Division of
Technical Sciences
visiting the Lithuanian
Energy Institute. 2025.

Photo from the archive
of the Division of
Technical Sciences



THE YOUNG ACADEMY

THE YOUNG ACADEMY OF THE LITHUANIAN ACADEMY OF SCIENCES (*Lietuvos mokslų akademijos Jaunoji akademija*, LMAJA) is a special division of the Academy, established in 2018 to unite outstanding early- and mid-career researchers across all fields of science in Lithuania. It serves as a platform for scientific excellence, interdisciplinary collaboration, and the representation of emerging scientific leaders in national and international contexts. Bringing together **40 ACTIVE MEMBERS** from five broad scientific domains, LMAJA reflects the diversity and strength of the research landscape of Lithuania. The rotational four-year membership model ensures a continuous influx of new ideas while maintaining institutional continuity through an active alumni network. LMAJA represents the interests of young researchers by actively engaging in discussions on science policy and advocating for sustainable research careers, transparent evaluation systems, and improved working conditions. It promotes the dissemination and accessibility of scientific

knowledge, strengthening public trust in science through outreach, communication, and engagement initiatives, contributes to expert and advisory activities by providing evidence-based recommendations to academic institutions and policymakers, and actively develops international cooperation.

LMAJA is organised into five scientific sections. Each section is represented in the governing Bureau. The Bureau is led by an elected chair and vice chair, who coordinate activities, represent LMAJA nationally and internationally, and contribute to strategic decision-making within the Young Academy. They are elected for a single two-year term by members of the Young Academy. Since 2026, LMAJA is chaired by Dr Julius Vengelis, with Dr Gražina Korvel serving as vice chair.

The activities of LMAJA are guided by principles of collegiality, responsibility, and scientific integrity, and are implemented through dedicated working groups focusing on science policy, science communication, and expert evaluation.



Members of LMAJA holding
an off-site meeting at the
Medical Science Centre,
Vilnius University.
April 2026



Members of LMAJA
at the Nordic-Baltic Meeting
of Young Academies in
Tallinn, Estonia. May 2025.
Photos from the archive of LMAJA





LMAJA plays an active role in shaping Lithuania's research ecosystem. Its members regularly engage with national institutions, including the Seimas of Lithuania and governmental ministries, contributing to discussions on research funding, career development, and innovation policy. Expert activity remains a core component of its mission. Members participate in national and international evaluation panels, contribute to editorial boards of scientific journals, and engage in advisory roles across a wide range of disciplines. Through these activities, LMAJA strengthens evidence-based decision-making and contributes to maintaining high standards of research quality.

Every year members of LMAJA participate in regional and European networks, including meetings of Nordic-Baltic Young Academies and the European National Young Academies meetings. These platforms facilitate dialogue

on shared challenges such as academic career development, science communication, and the protection of academic freedom.

LMAJA places strong emphasis on science communication and public engagement. Its members organise conferences, seminars, and outreach events and actively contribute to science popularisation initiatives targeting students, educators, and the wider public.

The scientific excellence of LMAJA members is reflected in numerous national and international recognitions. In recent years, members have received prestigious academic awards, for example, Prof. Ieva Plikusienė is a recipient of L'Oréal-UNESCO, Dr Rūta Ubarevičienė of the Baltic Women in Science awards; Prof. Mantas Šimėnas and Dr Judita Škulckė are winners of the Lithuanian Science Prize.

PUBLISHING DEPARTMENT

PUBLISHING IS AN IMPORTANT PART OF THE MISSION OF THE LITHUANIAN ACADEMY OF SCIENCES, ensuring the dissemination of scientific knowledge, raising awareness of the Academy's activities, and promoting the visibility of Lithuanian science both nationally and internationally. The Publishing Department, headed by Zina Turčinskienė, oversees these activities and is responsible for the preparation, publication, and long-term accessibility of academic publications to a wide range of audiences.

The Lithuanian Academy of Sciences publishes popular science books, scientific journals, and electronic publications; it also prepares institution's activities reports, conference proceedings, and feasibility studies. Much attention is given to the dissemination of research results, the archiving of publications, adherence to the principles of authorship and research ethics, and the implementation of open access policies.

Since 2012, the Lithuanian Academy of Sciences has been publishing a series of popular science books 'Science for Everyone' aimed at both the scientific community and the general public. Books in this series present the latest developments in science and technology in an accessible and engaging way and encourage the public to take an interest in science and its achievements. Thirty-four books by foreign and Lithuanian authors have been published to date.

The Publishing Department publishes **SEVEN ACADEMIC PERIODICALS**, both in print and electronic formats: *Biologija*, *Chemija*, *Filosofija*, *Sociologija*, *Lithuanian Journal of Physics*, *Lituanistica*, *Menotyra*, and *Energetika*. The Lithuanian Academy of Sciences, publishes the journal *Acta medica Lituanica* in collaboration with Vilnius University and the National Cancer Institute and *Intelektinė ekonomika* in collaboration with Mykolas Romeris University. These are internationally



recognised publications included in the world's leading databases of scientific information. These peer-reviewed academic journals publish original articles on key topics in biology, ecology, chemistry, physics, philosophy, sociology, Lithuanian studies, history, art history, and other academic disciplines. All journals are published under an open-access licence on the website **www.imateidykla.lt**. The articles in these journals are assigned DOIs, and requirements regarding authorship, research ethics, and originality are maintained. Around 150–200 research articles are published each year, and while works by Lithuanian authors predominate, a large amount of publications comes from foreign scholars. The journals are distributed to national and foreign libraries and are actively disseminated through international exchange programmes: they are delivered to research institutions in 31 countries around the world.

An important part of the publishing activities of the Lithuanian Academy of Sciences consists of conference proceedings and feasibility studies, which synthesise expert insights, analyse trends in science and technology, and contribute to the development of long-term strategic decisions. The 'Annual Activity Report of the Lithuanian Academy of Sciences', which is published annually, offers an overview of the institution's main activities, initiatives, and



achievements, and highlights their significance for the development of science in Lithuania.

Through its publishing activities, the Lithuanian Academy of Sciences strengthens the dialogue between the scientific community and the public, contributes to the dissemination of high-quality research, and enhances the visibility of Lithuanian science on the international stage.

PALACE OF SCIENTISTS

THE PALACE OF SCIENTISTS, headed by Aldona Daučiūnienė, is a division of the Lithuanian Academy of Sciences that organises scientific, artistic, and cultural events for the general public. The department seeks to increase public awareness of the Academy's activities, its transparency, and accountability; it rallies the scientific community to promote science and culture and contributes to the enhancement of the prestige of scientific careers. This division provides the public with an opportunity to gain extensive knowledge about scientific achievements and trends in various fields. Through the events it organises, the division contributes to the intellectual development of the Lithuanian public and seeks to foster communication between the scientific community and the general public.

A great deal of attention is being paid to the nurturing of the younger generation. The cycle of events 'Days of Scientific Knowledge' continues. Pupils of Vilnius schools and gymnasia have the opportunity to meet prominent scientists and attend their lectures on topics such as computer science, medicine,

biology, chemistry, physics, and psychology. Academicians not only give lectures but also talk to pupils about the career in research: how to choose it, where to study, and how to prepare for exams; they also participate in the events of the 'Career Week'. Excursions to Vilnius University Laser Research Centre, the National Visitor Centre of Protected Areas, and the Museum of Energy and Technology are regularly organised for schoolchildren; virtual lectures are also organised for schoolchildren and senior citizens throughout the country.

The Palace of Scientists aims to foster positive emotions at the events organised for the general public, including discussions on current issues, book launches and talks about them, anniversary and commemorative soirees honouring scholars and distinguished members of the community. The division continues the soirees of the cycles 'Portraits of Famous People', 'The Professor and Their School', 'Science for Society', 'Remembering the Famous Scientists', and others. Events reflecting the activities of various academic institutions, showcasing the





The Day of Scientific Knowledge for the students of the University of the Third Age.
Prof. Alvydas Jokubaitis giving the lecture 'The Phenomenon of Religion'. October 2025

latest achievements in the fields of science and the humanities, are held periodically. To promote scientific knowledge and cultural achievements among the elderly, lectures are organised on topics of interest to them, and they are invited to participate in cultural events. Traditionally, events are held for the public of Vilnius and the community of the Lithuanian Academy

of Sciences to commemorate 16 February, 11 March, and Mother's Day. Festive concerts are held for Christmas and the New Year's Eve.

The Palace of Scientists serves as a bridge connecting people in science and culture with the general public. It seeks novel ways to promote the visibility of science and scientists in today's world.

A concert dedicated to the 150th anniversary of the Lithuanian artist, composer, and cultural figure Mikalojus Konstantinas Čiurlionis. September 2025



THE WRÓBLEWSKI LIBRARY

THE LIBRARY WAS FOUNDED BY TADEUSZ STANISŁAW WRÓBLEWSKI (1858–1925), a well-known lawyer, cultural activist, and bibliophile from Vilnius. In 1912, his personal library amounted to around 65,000 books, 1000 maps, and about 5000 manuscripts and autographs. Its most valuable part consisted of historical documents pertaining to Vilnius and the Grand Duchy of Lithuania. Currently, **DR SIGITAS NARBUTAS** is the director of the library.

The repositories of the Department of Rare Publications of the Wróblewski Library of the Lithuanian Academy of Sciences store over 460,000 publications: 67 incunabula, over 600 post-incunabula, about 160,000 newspapers and journals, and a unique collection of cuneiform tablets. This department acquires, catalogues, and keeps all books published before 1800, bibliographic and printing rarities, books in Lithuanian published before 1918 (before 1945, if published abroad), valuable Lithuania-related publications in foreign languages published

from 1800 to 1944, nineteenth–twentieth-century Lithuanian and Lithuanian-studies-related periodical literature (before 1945), rare periodical literature unrelated to Lithuanian studies (before 1800), Lithuanian émigré periodicals, art books, engravings, postcards, photographs, small documents, and cartographic publications. Since the collections of the written heritage were shaped by historical circumstances, the library is one of the main institutions of research into the documentary heritage of the history of science and culture.

The Wróblewski Library is setting up a museum of the history of the Lithuanian book and scholarly thought. Most often established at the larger libraries, book museums of this kind have long existed in many European cities. The Wróblewski library holds copious historic collections, from clay cuneiform tablets to various nineteenth–twentieth-century documents important for the history of Lithuania. After the reconstruction of the library, this cultural treasury will be open to the public.



The eighteenth century is called the Age of Enlightenment. It was a period when scientific literature began to replace religious books as a dominant form of publication. However, the Bible continued to be translated into national languages and published with commentaries of prominent scholars. This French edition of the Holy Scripture belonged to Jan Dominik Łopaciński (1708–1778). The inscription *Ex Bibliotheca Ill[ustrissi]mi Joannis Łopaciński Episcopi Samogitien[is]* was pasted into his book as a bookplate.

From the collection of the Wróblewski Library of the Lithuanian Academy of Sciences. Photo Rokas Gelažius*

* Nepažintas senųjų knygų pasaulis: Lietuvos Didžiosios Kunigaikštystės didikų paveldas Vilniaus bibliotekose: parodos katalogas [The Uncharted World of Old Books: The Heritage of the Nobility of the Grand Duchy of Lithuania in the Libraries of Vilnius. An exhibition catalogue]. 2025. The Wróblewski Library of the Lithuanian Academy.



The Wróblewski Library of the Lithuanian Academy of Sciences.

Photo from the archive of Library

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