



**Research Network of the Hungarian
Academy of Sciences**

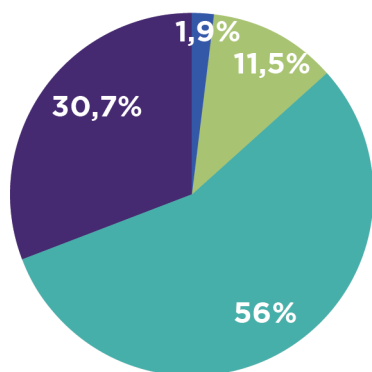
THE STORY OF THE HUNGARIAN ACADEMY OF SCIENCES (MTA) BEGAN WITH ONE OF THE BEST KNOWN NOBLE GESTURES OF HUNGARIAN HISTORY: COUNT ISTVÁN SZÉCHENYI OFFERED A YEAR'S INCOME FROM HIS ESTATES FOR THE FOUNDING OF THIS INSTITUTION ON 3 NOVEMBER, 1825 DURING THE POZSONY (BRATISLAVA) NATIONAL ASSEMBLY. OVER THE PAST ALMOST TWO HUNDRED YEARS, THE ACADEMY HAS SERVED AS THE CENTRAL INSTITUTION OF SCHOLARLY LIFE IN HUNGARY AND ITS RESEARCH NETWORK IS THE FUNDAMENTAL PILLAR OF HUNGARY'S SCIENTIFIC REALM.

The maintenance and effective management of the research network of the Academy is one of the most important missions of the MTA, which is funded through a separate division of the central Hungarian budget. This unparalleled network – covering almost all fields of science and made up of research institutions and research groups of full-time researchers – focuses on basic research. The network consists of 10 research centres, including 39 institutes, 5 legally independent research institutes, 89 research groups supported by the MTA working at universities and public collections and 104 Lendület (Momentum) research groups for outstanding young researchers.

WHO WORKS AT THE RESEARCH INSTITUTES?

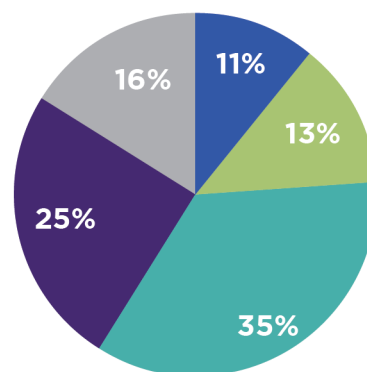
In 2015 the average number of employees at the MTA's research institutes was 4,086, which is a slight decrease (0.1%) compared to the previous year. Following years of stagnation, the average number of researchers has risen by 2.2%, amounting to 2,476 in 2015. Meanwhile, the number of employees not working on research has seen a steady fall. 77% of people employed by supported research groups and Lendület (Momentum) research groups at universities (altogether 537 people) worked as researchers, which is a 13.5% increase compared to the previous year.

The distribution of researchers of the Academy according to academic degree and title in 2015:



- Member of the MTA
- Doctor of the Academy
- PhD/CSc
- no title

The distribution of researchers of the Academy according to age in 2015:



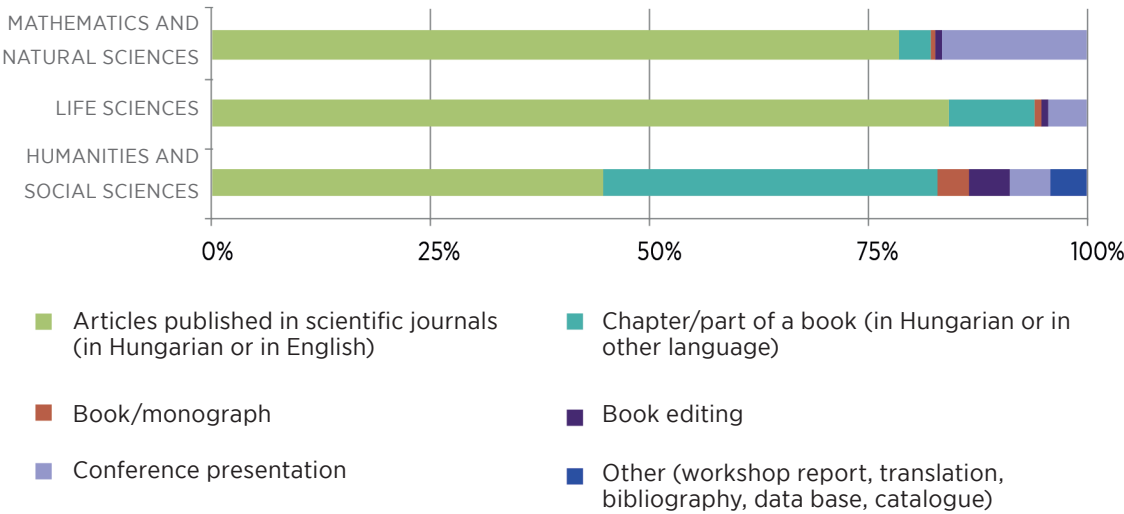
- under 30
- between 31-40
- between 41-50
- between 51-60
- between 61-70

In the past few years, the average age of the Academy's researchers has decreased substantially, mainly owing to the programmes targeting young researchers. In the past years slightly more than one-third of researchers were women; in 2015 this ratio was 35.3%. In two institutes at least half of the researchers are women: it is 50% in the Agricultural Institute and 52% in the Research Institute for Linguistics.

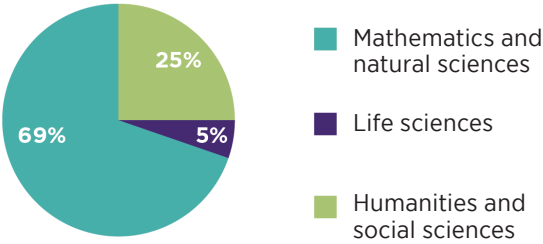
SCIENTIFIC ACHIEVEMENTS

In 2015 the research network of the Academy published 6,151 items, including scientific publications, educational materials and popular science articles. Similarly to previous years, the proportion of scientific articles was 92%.

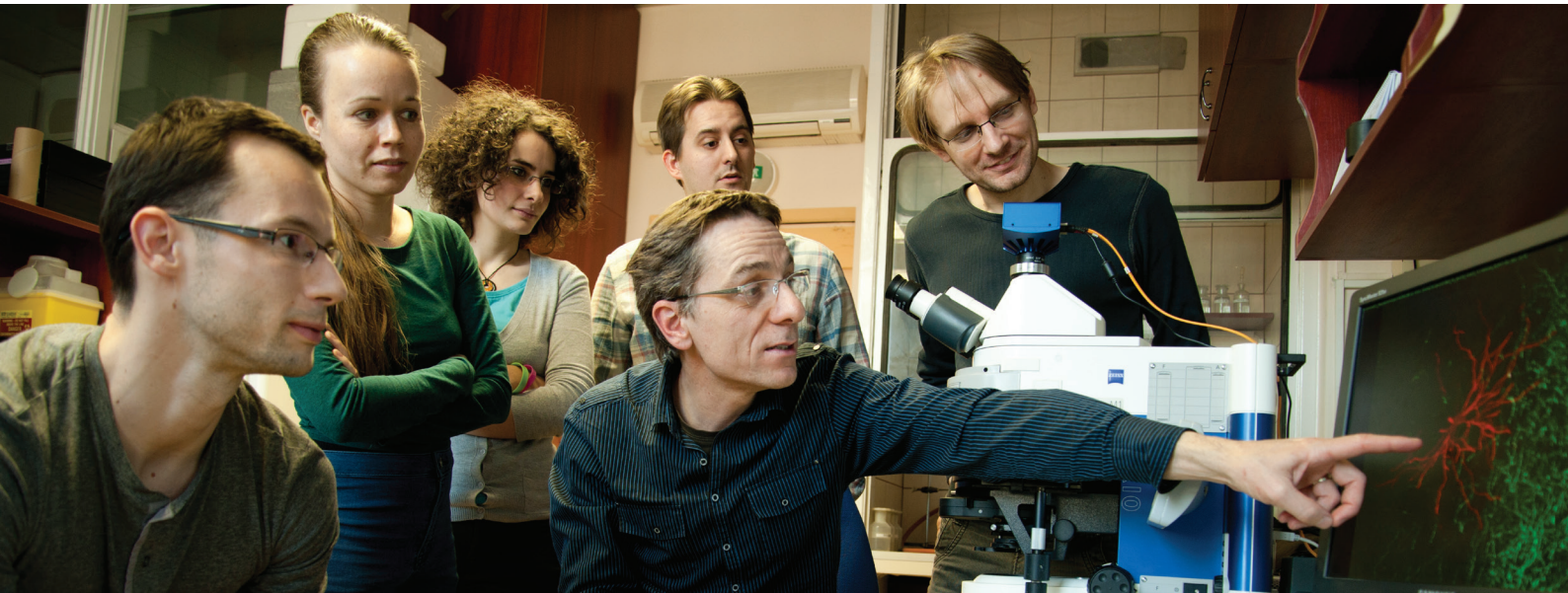
The distribution of publication types in the three main fields of science by MTA's research network in 2015:



2,135 articles were published in journals with an impact factor by the research network of the Academy in 2015 in the following fields:



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| The number of researchers teaching regularly at universities | 956 |
| The number of researchers teaching at graduate schools | 527 |
| Number of graduate school core members | 269 |
| The number of graduate school leaders | 21 |
| Supervising of PhD theses | 1181 |



RESEARCH CENTRES AND RESEARCH INSTITUTES OF THE MTA IN 2015

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| 1. | MTA Alfréd Rényi Institute of Mathematics (Budapest) | www.renyi.mta.hu |
| 2. | MTA Centre for Agricultural Research (Martonvásár, Budapest) | www.agrar.mta.hu |
| | Institute for Veterinary Medical Research (Budapest) | www.vmri.hu |
| | Agricultural Institute (Martonvásár) | www.mgki.hu |
| | Plant Protection Institute (Budapest) | www.atk-novi.hu |
| | Institute for Soil Science and Agricultural Chemistry (Budapest) | www.mta-taki.hu |
| 3. | MTA Biological Research Centre (Szeged) | www.brc.mta.hu |
| | Institute of Biophysics | www.brc.mta.hu/biophysics.php |
| | Institute of Biochemistry | www.brc.mta.hu/biochemistry.php |
| | Institute of Genetics | www.brc.mta.hu/genetics.php |
| | Institute of Plant Biology | www.brc.mta.hu/plant_biology.php |
| 4. | MTA Centre for Ecological Research (Tihany, Vácrátót, Budapest) | www.okologia.mta.hu/en |
| | Balaton Limnological Institute (Tihany) | www.bli.okologia.mta.hu |
| | Danube Research Institute (Budapest) | www.dki.okologia.mta.hu |
| | Institute of Ecology and Botany (Vácrátót) | www.obi.okologia.mta.hu |
| 5. | MTA Centre for Energy Research (Budapest) | www.energia.mta.hu |
| | Institute for Atomic Energy Research | |
| | Institute for Energy Security and Environmental Safety | |
| | Institute for Technical Physics and Materials Science | |
| 6. | MTA Institute for Computer Science and Control (Budapest) | www.sztaki.mta.hu |
| 7. | MTA Institute for Nuclear Research (Debrecen) | www.atomki.mta.hu |
| 8. | MTA Institute of Experimental Medicine (Budapest) | www.koki.hu |
| 9. | MTA Research Centre for Astronomy and Earth Sciences (Sopron, Budapest) | www.csfk.mta.hu |
| | Geographical Institute of Research (Budapest) | www.mtafki.hu |
| | Institute for Geological and Geochemical Research (Budapest) | www.geochem.hu |
| | Geodetic and Geophysical Institute (Sopron) | www.ggki.hu |
| | Konkoly Thege Miklós Astronomical Institute (Budapest) | www.konkoly.hu |
| 10. | MTA Research Centre for Natural Sciences (Budapest) | www.ttk.mta.hu |
| | Institute of Materials and Environmental Chemistry | www.ttk.mta.hu/intezetek/anyag-es-kornyezetkemiai-intezet |
| | Institute of Enzymology | www.ttk.mta.hu/intezetek/enzimologiai-intezet |
| | Institute of Cognitive Neuroscience and Psychology | www.ttk.mta.hu/intezetek/kognitiv-idegtudomanyai-es-pszichologiai-intezet |
| | Institute of Organic Chemistry | www.ttk.mta.hu/intezetek/szerves-kemiai-intezet |
| 11. | MTA Wigner Research Centre for Physics (Budapest) | wigner.mta.hu |
| | Institute for Particle and Nuclear Physics | |
| | Research Institute for Solid State Physics and Optics | www.szfk.hu |
| 12. | MTA Research Centre for Economic and Regional Studies (Pécs, Budapest) | www.krtk.mta.hu |
| | Institute of Economics (Budapest) | www.mtakti.hu |
| | Institute for Regional Studies (Pécs) | www.rkk.hu |
| | Institute of World Economics (Budapest) | www.vki.hu |
| 13. | MTA Research Centre for The Humanities (Budapest) | www.btk.mta.hu |
| | Institute of Philosophy | www.fi.btk.mta.hu |
| | Institute for Literary Studies | www.iti.btk.mta.hu |
| | Institute of Art History | www.mi.btk.mta.hu |
| | Institute of Ethnology | www.nti.btk.mta.hu |
| | Institute of Archaeology | www.ri.btk.mta.hu |
| | Institute of History | www.tti.btk.mta.hu |
| | Institute of Musicology | www.zti.hu |
| 14. | MTA Centre for Social Sciences (Budapest) | www.tk.mta.hu |
| | Institute for Legal Studies | www.jog.tk.mta.hu |
| | Institute for Minority Studies | www.kisebbssegkutato.tk.mta.hu |
| | Institute for Political Science | www.politologia.tk.mta.hu |
| | Institute for Sociology | www.szociologia.tk.mta.hu |
| 15. | MTA Research Institute for Linguistics (Budapest) | www.nytud.mta.hu |