



THE
HUNGARIAN
ACADEMY
OF SCIENCES

Contents

THE HUNGARIAN ACADEMY OF SCIENCES

Produced
by the Institute for Research Organisation of the
Hungarian Academy of Sciences
with the contribution of the departments and
scientific sections of the Secretariat of the
Hungarian Academy of Sciences

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Academy of Sciences

ISBN 978-963-508-556-9

Budapest
2008. január

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INTRODUCTION

The Hungarian Academy of Sciences (HAS) was founded by patriots in the 19th century. It has served as a national institution throughout its 180-year history. It is both a national organisation based on meritocracy and the pre-eminent public body of academically qualified Hungarian researchers. Presently, its more than 12,000 members participate in the work of over 100 special committees organised by the Academy's scientific sections.

The Hungarian Academy of Sciences is an organisation of the elite of Hungarian-speaking researchers. Similar to the Hungarian academic qualification system, it is a two-tier organisation. Researchers who have received their Ph.D. degree at a university commonly recognised in the world occupy the first tier. The second tier consists of those who meet the requirements of the Academy's own qualification system. They are the Doctors of the Academy, and members of the Academy - called academicians for short - are elected from among these Doctors. The Academy's qualification system requires that researchers with a Ph.D. who apply for the title of "Doctor of the Academy" submit a scientific dissertation. The relevant sections of the Academy prepare a report on the candidate's prior research activity, appoint opponents to give an opinion of the dissertation, and provide the candidate the opportunity to defend the dissertation in an open debate. At the end of the process, the candidate may be awarded the Doctor of the Academy degree. More than 2200 scientists hold this degree at present. New academicians are elected by the current members of the

Academy. First, members are granted so-called corresponding membership, then, based on subsequent scientific achievement, they may be elected full members. The total number of full and corresponding members of the Academy is limited to 365. Accordingly, the body of academicians today numbers 353. Doctors and members of the Academy receive regular honoraria guaranteed by the Hungarian state.

As with most civil organisations, the Hungarian Academy of Sciences has its own assets. It was mostly self-supporting until the post-war inflationary period starting in 1922. Between 1922 and 1949, the Academy relied partly on its own resources and partly on state subsidies. In 1949, its assets were nationalised. After 1990, a portion of its assets were returned to the Academy, and the remainder followed in 2007. Today, the Academy and its research network are maintained partly by state subsidy, and partly with revenues from its own entrepreneurial activities associated with research, as well as from fees and grants acquired from external sources. These grants, about 11% of which come from other countries, constitute almost 50% of the Academy's budget.

The basis of operation of the Academy as a civil organisation is *corporate* spirit. In the 1990s an organisational reform at the Academy sought to increase the participation of qualified researchers in decision making. This was followed in 2006-2007 by a reform of the Academy's structure. These new reforms were approved by the 177th General Assembly of the Academy, held on 7-8 May 2007.

Publicity is fundamental to the operation of a civil organisation. The Academy's website (<http://www.mta.hu/>) is updated on a regular basis, and provides not only general information, but also breaking news. The *Academy Bulletin*, containing the Presidium's opinions and the decisions of the President and Secretary-General, is the Academy's official publication. The traditional scientific monthly of the Academy, *Magyar Tudomány* (Hungarian

Science), has been published in Hungarian since 1840. The Academy's scientific sections and their permanent committees also publish several periodicals.

By tradition, the sections organise scientific discussions and conferences, as well as inaugural lectures for new members. (Both corresponding and full members must deliver an inaugural lecture at a public meeting.) The Academy also organises lecture series commemorating deceased members. In addition, it has launched a series of lectures in which young researchers deliver talks before a panel of academicians. The Academy regularly hosts interdisciplinary round-table discussions and conferences, the aim of which is to present the latest scientific achievements of its members, to propose and discuss questions and topics that may be of public interest, and to stimulate debate. It regularly publishes the lectures delivered at these forums.

Since 1949, the Hungarian Academy of Sciences has operated research institutes independent from universities. The Hungarian state applied modern organisational principles of science policy when it placed the research institutes, which it founded and owned, under the supervision of an independent authority (the body of academicians) instead of an executive power (state administration). In 1994, the state passed a law affirming that this research network constitutes a national institution of independent research units under the control of the Academy. In addition to the independent research institutes, the Academy traditionally operates and supports research teams headed by university chairs. Academy sections recommend the assignment of certain projects to university chairs, and the corresponding universities provide the facilities and other research conditions.

The Academy's research institutes and the universities have worked out a system whereby the institutes and university chairs can carry out research in close collaboration. This arrangement also allows members of the institutes to teach at the universities on a contractual basis.

The leadership of the Academy has taken steps to strengthen its public relations in several respects. It has initiated contacts with leading members of the business community, and it seeks to facilitate networking and collaborations between companies and academic institutes. The Academy is using surveys to investigate the relationships between academic institutes and industry in detail, in order to develop the most appropriate forms of partnership.

Since its foundation, the Academy has announced competitions and conferred awards. This activity has grown as the Academy has intensified its public relations efforts.

The Academy seeks to serve the public in other ways as well. Its scientific bodies express their opinions on issues relating to the development of Hungarian society in the long term, thereby helping to provide a scientific basis for policy decisions. In providing its advice, the Academy maintains its distance from political forces in order to be able to provide independent, nonpartisan counsel to the nation. The Academy is legally required to report to Parliament on the state of research and scholarship and key research achievements in Hungary every two years. This requires continuous monitoring.

The Academy has opened its doors to the public at large. Project ENCOMPASS (ENCyclopaedic knOWledge Made a Popular ASSet), a weekly public scientific lecture series, is produced as a public-private partnership under the supervision of the Hungarian Academy of Sciences and with the sponsorship of the corporate social responsibility programme of the Hungarian Telecommunications Company (Magyar Telekom) and its affiliate, Axelero Internet (now T-Online). Taking advantage of the Academy's prestige and networks, this project has become a great success. A full studio audience every Monday night, a popular TV and radio series enjoying a high approval rating and known by almost half of the adult population, permanent columns in dailies and weeklies, an Internet portal with thousands of downloads a day, and

scientific research as a constant topic at social gatherings – this is what has happened since the launch of Mindentudás Egyeteme (ENCOMPASS) in September 2002.

The organisation of the Academy is continuously updated to enable it to carry out its tasks as effectively as possible. This *Almanac* gives an account of its current structure and institutions.

Vizi, E. Szilveszter
President

1. THE HIGH OFFICIALS OF THE HUNGARIAN ACADEMY OF SCIENCES

The high officials of HAS elected by the General Assembly last time in May 2005, are: the President, the Vice-President, the Secretary-General and the Deputy Secretary-General.

Address: H-1051 Budapest, Széchenyi tér 9.

Telephone: (36-1) 311-9400

Internet: www.ha.hu



President

Vizi, E. Szilveszter

Telephone: (36-1) 311-9400

Fax: (36-1) 311-9443

E-mail: vizi@office.ha.hu

Secretary-General

Mészáros, Anikó

Telephone: (36-1) 311-9412

Fax: (36-1) 311-9483

E-mail: mecs@office.ha.hu



1. THE HIGH OFFICIALS OF THE HUNGARIAN ACADEMY OF SCIENCES

The high officials of HAS elected by the General Assembly, last time in May 2005, are: the President, the Vice-Presidents, the Secretary-General and the Deputy Secretary-General.

Address: H-1051 Budapest, Roosevelt tér 9

Telephone: (36-1) 411-6100

Internet: www.mta.hu

President

Vizi, E. Szilveszter F.M.

Telephone: (36-1) 331-9353

Fax: (36-1) 332-8943

E-mail: esvizi@office.mta.hu

Secretary-General

Meskó, Attila F.M.

Telephone: (36-1) 311-9812

Fax: (36-1) 312-8483

E-mail: mesko@office.mta.hu

Vice-Presidents

Hámori, József F.M. (life sciences)

Telephone: (36-1) 331-4379

Fax: (36-1) 302-4808

E-mail: hamori@office.mta.hu hamori@ana.sote.hu

Kroó, Norbert F.M. (natural sciences)

Telephone: (36-1) 331-4379

Fax: (36-1) 302-4808

E-mail: kroo@office.mta.hu

Marosi, Ernő F.M. (social sciences and humanities)

Telephone: (36-1) 331-4379

Fax: (36-1) 302-4808

E-mail: isoram@arthist.mta.hu

Deputy Secretary-General

Pléh, Csaba F.M.

Telephone: (36-1) 411-6109

Fax: (36-1) 311-3868

E-mail: pleh@office.mta.hu





2. THE STRUCTURE OF THE ACADEMY

The General Assembly

The General Assembly is the supreme body of the Academy as an independent public-law association, constituted by full and corresponding members, and 200 representatives of non-academician members who are elected by secret ballot for a three year term. They may be re-elected once for an additional three year term.

The General Assembly adopts the Statutes, the Bylaws and the annual budget of the Academy, and determines the science policy principles and programmes affecting the entire work of the Academy. It discusses and approves the biennial report submitted to Parliament on both the Academy and the general state of science in Hungary, and the annual report presented to the Government on the Academy's activity. The General Assembly elects – for a three-year term – the leading officials of the Academy such as the President, the Vice-Presidents, the Secretary-General and the Deputy Secretary-General, and also the members of both the Presidium and the Council of the Academy's Research Units.

The Presidium of the Academy

Composed of the Academy's leading officials, of the chairmen of the sections and of members elected by the General Assembly, the Presidium assists in the preparation of the general assemblies, determines the number of new members to be elected for each of the scientific sections, and settles disputes, should they arise, between the scientific sections. Relying on proposals by the scientific sections, the Presidium makes decisions on awarding the Academy's prizes and other distinctions. It also acts as the advisory body of the President.

Members of the Presidium are:

Voting members

Elected high officials of the Academy

Vizi, E. Szilveszter F.M., President of HAS
Hámori, József F.M., Vice-President of HAS
Króó, Norbert F.M., Vice-President of HAS
Marosi, Ernő F.M., Vice-President of HAS
Meskó, Attila F.M., Secretary-General of HAS
Pléh, Csaba F.M., Deputy Secretary-General of HAS

Members elected by the General Assembly

Dudits, Dénes F.M.
Enyedi, György F.M.
Keviczky, László F.M.

Representatives of the Doctors of Science:

Bakonyi, Gábor D.Sc.
Buka, Ágnes D.Sc.
Mezey, Barna D.Sc.

The elected chairpersons of the scientific sections

Maróth, Miklós F.M., Chairman of Section I
Szabó, Miklós F.M., Chairman of Section II
Szász, Domokos F.M., Chairman of Section III
Horn, Péter F.M., Chairman of Section IV
Romics, László F.M., Chairman of Section V
Gyulai, József F.M., Chairman of Section VI
Medzihradszky, Kálmán F.M., Chairman of Section VII
Damjanovich, Sándor F.M., Chairman of Section VIII
Török, Ádám F.M., Chairman of Section IX
Ádám, József F.M., Chairman of Section X
Horváth, Zalán F.M., Chairman of Section XI

Members with voice but no vote

Molnár, Károly D.Sc., President, Conference of Hungarian University Chancellors
Csányi, Vilmos F.M., Editor-in-Chief of the journal *Magyar Tudomány* (Hungarian Science)
Pálinkás, Gábor F.M., representative of the Council of the Academy's Research Units
Makara, B. Gábor F.M., President of OTKA (Hungarian Scientific Research Fund)
Michelberger, Pál F.M., Chairman of the Academy's Supervisory Committee
Telegdy, Gyula F.M., representative of the Regional Committee
Vékás, Lajos F.M.

Some of the leading staff-members of the Academy's Secretariat are also regularly invited to the sessions of the Presidium.

Committees of the General Assembly

The General Assembly elects standing committees for the performance of various special tasks. These are:

- the Council of the Academy's Research Units
- the Council of Doctors
- the Supervisory Committee
- the Board of Trustees (of the Academy's Property)
- the Committee on the Ethics of Science
- the Committee on Publishing Scientific Books and Periodicals
- Nominating Committee.

The Council of the Academy's Research Units (CARU)

The Academy maintains research institutes in order to ensure high-quality original research in the fields of the natural and social sciences and the humanities, runs other institutions to support their activities (i.e. libraries, archives, information system, etc.), and supports research groups affiliated to various university chairs. The present number of research institutes is 48.

These research institutes are supervised by the Council of the Academy's Research Units (CARU) which has 30 members, half of whom are elected by the General Assembly and the other half by the research institutes and other research units. CARU performs its research-related duties in close co-operation with the scientific sections. It is chaired by the Secretary-General. CARU is assisted by three advisory boards, each responsible for one of the three majors fields of science. It is the duty of these Boards to make proposals for the annual budgetary support and investment allocations in the case of each research institute and other research unit belonging to their respective fields of science. In co-operation with the

related scientific sections and committees, these Boards also evaluate the performance of the individual research institutes.

Chairman: **Meskó, Attila** F.M.

Secretariat: **Banczerowski, Ilona** D.Sc.

Szegő, Károly D.Sc.

The Council of Doctors

The Council of Doctors may award the title of Doctor of the Hungarian Academy of Sciences to persons with a degree and with outstanding achievements in their field of learning, and who meet the conditions of obtaining this title. The Council has 25 members.

Chairman: **Dobozy, Attila** F.M.

Co-chairman: **Beck, Mihály** F.M.

Secretary: **Csirik, János** D.Sc.

Supervisory Committee

The tasks of the 7-member Supervisory Committee are: to supervise the appropriate and lawful administration and management of the Academy's property, to give expert opinion to the General Assembly on the guiding principles of the Academy's annual budget and the annual budget statement.

Chairman: **Michelberger, Pál** F.M.

Secretary: **Szamkó, Gabriella**

Board of Trustees

The seven members of the Board of Trustees are responsible for the promotion of the Academy's efficient property management.

Chairman: **Strausz, Tamás**

Secretary: **Tóth, Ferenc**

Committee on the Ethics of Science

Composed of 22 members, the Committee on the Ethics of Science takes a stand in matters of principle relating to the ethics of science on such issues as, the free pursuit of science and professional integrity.

Committee on Publishing Scientific Books and Periodicals

The Committee on Publishing Scientific Books and Periodicals has 12 members. Its Chairman and Secretary are elected by the General Assembly, while its members are delegated by the scientific sections of the Academy. Its task is to co-ordinate the Academy's publishing policy and to promote the efficient use of the resources available for this purpose.

Chairman: **Vizkelely, András** F.M.

Secretary: **Hernádi, Miklós** D.Sc.

Nominating Committee

Chairman: **Szántay, Csaba** F.M.

Secretary: **Pannonhalmi, Kálmán**

Committees of the President and the Secretary-General

In addition to above-mentioned committees of the General Assembly and the Presidium, the President and the Secretary-General shall set up special, permanent or ad hoc, joint committees for the solution of certain topical problems or problems of common concern. At present these are:

Art Collection Council

Chairman: **Galavics, Géza** C.M.

Presidential Committee on Hungarian Science Abroad

Chairman: **Görömbei, András** C.M.

Secretary: **Tarnóczy, Mariann**

Presidential Committee on Hungarian Vernacular in Europe

Chairman: **Kiss, Jenő** F.M.

Secretary: **Csokonai-Illés, Sándor**

Committee on Hungarian Science in the West

Chairman: **Frühling, János** E.M.

Managing Director: **Gulyás, Balázs** E.M.

Secretary-General: **Hámos, László**

Secretary: **Kucsera, Tamás Gergely**

Committee on Housing

Chairman: **Horváth, László**

Secretary: **Tokai, Gábor**

Special committees assisting the Presidium in performing some of its important functions are:

Programme Council of Strategic Research

Chairman: **Glatz, Ferenc** F.M.

Co-chairman: **Láng, István** F.M.

Secretary: **Balogh, Margit** C.Sc.

Committee on Environmental Sciences

Chairman: **Meskó, Attila** F.M.

Secretary: **Szemes, Imre** C.Sc.

Governing Board

This body co-ordinates the work of the Academy's leading officials. Its membership consists of the leading officials and the representatives of each of the three major fields of study (i.e. mathematics and natural sciences, life-sciences, and social sciences). The Panel sets up standing

committees to solve special tasks. These are: the Library Committee, the Committee on International Relations, and the Social Welfare Committee.

Its members are:

Vizi, E. Szilveszter F.M., President of HAS
Hámori, József F.M., Vice-President of HAS
Kroó, Norbert F.M., Vice-President of HAS
Marosi, Ernő F.M., Vice-President of HAS
Meskó, Attila F.M., Secretary-General of HAS
Pléh, Csaba F.M., Deputy Secretary-General of HAS
Dudits, Dénes F.M.
Enyedi, György F.M.
Keviczky, László F.M.
Buka, Ágnes, D.Sc.
Pannonhalmi, Kálmán Secretary of the Panel, head of the Presidium's secretariat
Zilahy, Péter Ph.D., head of the secretariat of the Secretary-General

Standing Committees of the Panel of Leading Officials

Library Committee

Co-chairmen: **Marosi, Ernő** F.M.
Pléh, Csaba F.M.

Social Welfare Committee

Chairman: **Hámori, József** F.M.
Secretary: **Lessi, Livia**

Committee on International Relations

Chairman: **Kroó, Norbert** F.M.
Secretary: **Pusztai, János**

Scientific Sections

Scientific sections follow closely, promote and evaluate all activities conducted in their respective fields of study; take a stand on scientific questions as well as in matters concerning science policy and research organisation; give their opinion on the activities of the Academy's research institutes and on those of the university chairs and other research units supported by the Academy; and participate in the procedure of awarding the title of Doctor of the Hungarian Academy of Sciences.

In performing their duties, the scientific sections rely heavily on the work of special committees composed of academicians and other elected non-academician members. Each section is headed by a chairman, elected from among the members of that section for a term of three years.

The Academy's scientific sections are as follows:

- I. Section of Linguistics and Literary Scholarship
- II. Section of Philosophy and History
- III. Section of Mathematics
- IV. Section of Agricultural Sciences
- V. Section of Medical Sciences
- VI. Section of Engineering Sciences
- VII. Section of Chemistry
- VIII. Section of Biological Sciences
- IX. Section of Economics and Law
- X. Section of Earth Sciences
- XI. Section of Physical Sciences

Regional Committees

The regional committees of the Academy are organised by the major geographical regions of the country and are composed of academicians and representatives of highly qualified researchers working in the given region.

The Regional Committees of the Hungarian Academy of Sciences are:

Regional Committee in Debrecen

Address: H-4032 Debrecen, Thomas Mann u. 49
Telephone: (36-52) 412-177
Internet: <http://www.dab.hu/>
Chairman: **Lipták, András** F.M.
Vice-chairmen: **Bitskey, István** C.M.
Csizmazia, Zoltán C.Sc.
Rajnavölgyi, Éva D.Sc.
Secretary general: **Fekete, Károly**

Regional Committee in Kolozsvár (Cluj, Romania)

Address: 400009 Kolozsvár/Cluj-Napoca str. Napoca/Jókai u. 2-4
Telephone: (00-40)-264-595176
Internet: <http://www.eme.ro/>
Chairman: **Péntek, János** E.M.
Vice-chairmen: **Egyed-Zsigmond, Imre** E.M.
Kása, Zoltán
Kovács, András
Secretary: **Szikszai, Mária**

Regional Committee in Miskolc

Address: H-3530 Miskolc, Erzsébet tér 3
Telephone: (36-46) 340-633
Internet: <http://mab.mta.hu/>
Chairman: **Páczelt, István** F.M.
Vice-chairmen: **Gyurkó, György** C.Sc.
Lakatos, István C.M.
Orbán, Sándor D.Sc.
Secretary: **Újszászy, László** C.Sc.

Regional Committee in Pécs

Address: H-7624 Pécs, Jurisics
Miklós u. 44
Telephone: (36-72) 512-620
Internet: <http://www.pte.hu/pab/>
Chairman: **Szolcsányi, János** F.M.
Vice-chairmen: **Bélyácz, Iván** C.M.
Horváth, József F.M.
Horváth, Béla D.Sc.
Secretary: **Fodor, István** D.Sc.

Regional Committee in Szeged

Address: H-6720 Szeged, Somogyi
B. u. 7
Telephone: (36-62) 553-911
Internet: <http://www2.u-szeged.hu/szab/>
Chairman: **Telegdy, Gyula** F.M.
Vice-chairmen: **Dékány, Imre** C.M.
Hatvani, László C.M.
Vígh, László C.M.
Secretary: **Molnár, József** D.Sc.

Regional Committee in Veszprém

Address: H-8200 Veszprém, Vár u. 37
Telephone: (36-88) 428-859
Internet: <http://www.veab.mta.hu/>
Chairman: **Mészáros, Ernő** F.M.
Vice-chairmen: **Bíró, Péter** C.M.
Friedler, Ferenc D.Sc.
Pusztay, János C.Sc.
Secretary: **Vonderviszt, Ferenc** D.Sc.

Széchenyi Academy of Letters and Arts

Address: H-1051 Budapest, Roosevelt tér 9
Phone/fax: (36-1) 331-4117

The Hungarian Academy of Sciences established the Széchenyi Academy of Letters and Arts as an associated but autonomous body with statutes of its own, to include

the eminent representatives of literary and artistic life, replacing the Arts Section closed in 1949.

Leading officials:

President: **Jancsó, Miklós**

Managing president: **Lator, László**

Managing secretary: **Ferch, Magda**

The Széchenyi Academy is divided into the following sections:

Literature Section

Fine Arts Section I

Fine Arts Section II

Motion Picture and Theatre Section

Musical Arts Section

The Secretariat of the Hungarian Academy of Sciences

The scientific sections and leading bodies of the Academy are assisted in their work by the Secretariat directed by the Secretary-General.

Divisions of the Secretariat:

The Corporate Secretariat and the Secretariat of the Presidium

Address: H-1051 Budapest, Roosevelt tér 9

Telephone: (36-1) 331-9353

Fax: (36-1) 332-8943

E-mail: elnokseg@office.mta.hu

Department head: **Pannonhalmi, Kálmán**

The Secretariat of the Secretary-General

Address: H-1051 Budapest, Roosevelt tér 9

Telephone: (36-1) 311-9812

Fax: (36-1) 312-8483

E-mail: zilahy@office.mta.hu

Department head: **Zilahy, Péter** Ph.D.

Department of Research, Development and Innovation

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6367

Fax: (36-1) 411-6244

E-mail: szego@office.mta.hu

Department head: **Szegő, Károly** D.Sc.

HunASCO (HAS Contact Office to the EU)

Contact: **Szendrák, Erika** Ph.D.

E-mail: erika.szendrak@office.mta.hu

http://www.mta.hu/hunasco

Department of Research Institutes

Address: H-1051 Budapest, Nádor u. 7

Phone/fax: (36-1) 411 6210

Fax: (36-1) 411-6211

E-mail: bancz@office.mta.hu

Department head: **Banczerowski, Ilona** D.Sc.

Department of Finance

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6117

Fax: (36-1) 411-6192

E-mail: szamkog@office.mta.hu

Department head: **Szamkó, Gabriella**

Independent Controlling Section

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6183

Fax: (36-1) 411-6179

E-mail: ellenorzes@office.mta.hu

Department head: **Sándor, György**

Legal and Administrative Department

Address: H-1051 Budapest, Nádor u. 7

Phone/fax: (36-1) 411-6188

E-mail: lhorvath@office.mta.hu

Department head: **Horváth, László**

Department of European Scientific Relations

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6185

Fax: (36-1) 411-6115

E-mail: zsigmonda@office.mta.hu

Department head: **Zsigmond, Attila**

Department for Communications and Science Policy

Address: H-1051 Budapest, Roosevelt tér 9

Telephone: (36-1) 411-6321

Fax: (36-1) 302-5638

E-mail: fabrigy@office.mta.hu

Director: **Fábri, György** C.Sc.

Press secretary: **Engedi, Éva**

E-mail: engedi@office.mta.hu

Secretariat of the Council of Doctors

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6221

Fax: (36-1) 411-6233

E-mail: sandor@office.mta.hu

Department head: **Körmendi, Sándor**





3. MEMBERS OF THE HUNGARIAN ACADEMY OF SCIENCES*

According to the Act on the Academy, the Hungarian Academy of Sciences has full, corresponding, external and honorary members (collectively called academicians), elected by the General Assembly on proposal by the scientific sections.

Abbreviations used: F.M.: full member, C.M.: corresponding member, E.M.: external member, H.M.: honorary member.

I. Section of Linguistics and Literary Scholarship

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6312

Fax: (36-1) 411-6337

Internet: <http://www.mta.hu/nytud/>

E-mail: illess@office.mta.hu

Chairman: **Maróth, Miklós** F.M.

Vice-chairman: **Paládi-Kovács, Attila** C.M.

Secretary: **Csokonai-Illés, Sándor**

* The listing reflects the membership after the 177th General Assembly held on 7-8 May 2007.

Scientific committees of the Section

Austrian-Hungarian Joint Committee on Literature and Culture

Committee on Classical Philology

Committee on Cultural History

Committee on Dramatic Studies and Cinematography

Committee on Ethnography

Committee on Hungarian Linguistics

Committee on Linguistics

Committee on Literary Scholarship

Committee on Musicology

Committee on Oriental Studies

Full members

Benkő, Loránd

(Nagyvárad, 1921)

C.M.: 1965; F.M.: 1976

linguistics

Hazai, György (Budapest, 1932)

C.M.: 1982; F.M.: 1995

oriental studies, Turkish languages

Kiefer, Ferenc (Apatin, 1931)

C.M.: 1987; F.M.: 1995

general linguistics

Kiss, Jenő (Mihályi, 1943)

C.M.: 2001; F.M.: 2007

history of Hungarian linguistics, sociolinguistics

Kósa, László (Cegléd, 1942)

C.M.: 1998; F.M.: 2007

ethnography, folklore, cultural history

Köpeczi, Béla

(Nagyenyed, 1921)

C.M.: 1967; F.M.: 1976

literary history, history

Kulcsár Szabó, Ernő

(Debrecen, 1950)

C.M.: 1995; F.M. 2004

modern literary history, literary hermeneutics

Maróth, Miklós (Budapest, 1943)

C.M.: 1995; F.M. 2004

classical philology, Arabistics

Nagy, Péter (Budapest, 1920)

C.M.: 1973; F.M.: 1983

Hungarian and French
literary history

Németh, G. Béla

(Szombathely, 1925)
C.M.: 1982; F.M.: 1990
19th- and 20th-century
literary history, cultural
history

Poszler, György

(Kolozsvár, 1931)
C.M.: 1990; F.M.: 1995
literary history, literary
theory, aesthetics

Ritoók, Zsigmond

(Budapest, 1929)
C.M.: 1990; F.M.: 1993
classical studies

Róna-Tas, András

(Budapest, 1931)
C.M.: 1990; F.M.: 1995
linguistics, oriental studies

Somfai, László

(Jászládány, 1934)
C.M.: 1995; F.M.: 2004
musicology

Szegedy-Maszák, Mihály

(Budapest, 1943)
C.M.: 1993; F.M.: 1998
comparative literary
scholarship, Hungarian
literary history

Ujfalussy, József

(Debrecen, 1920)
C.M.: 1973; F.M.: 1985
aesthetics, theory and
history of music

Vizkelety, András (Tata,
1931)

C.M.: 1998; F.M.: 2004
Germanistics,
mediaevalistics, codicolog

Corresponding members

Bitskey, István (Eger,
1941)

C.M.: 2004
history of Hungarian
literature

É. Kiss, Katalin

(Debrecen, 1949)
C.M.: 2007
Hungarian and general
linguistics

Görömbei, András

(Palgár, 1945)
C.M.: 2001
history of
Hungarian
literature

Honti, László (Lengyeltóti,
1943)

C.M.: 2004
Uralic linguistics

Imre, László (Csorna,
1944)

C.M.: 2007

19-20 c. Hungarian
literature

Kara, György (Budapest,
1935)

C.M.: 2001

Middle- and Far-Eastern
languages

Kertész, András
(Debrecen, 1956)

C.M.: 2001

German and general
linguistics

Nyomárkay, István
(Budapest, 1937)

C.M.: 2004

Slavic studies, South-Slavic
linguistics

Paládi-Kovács, Attila
(Ózd, 1940)

C.M.: 2001

European and Hungarian
ethnography

External members

Alföldy, Géza (Budapest,
1935)

E.M.: 1995

classical history, Roman
inscriptions

Bodi, László (Budapest,
1922)

E.M.: 1995

Germanistics

Csáky, Móric (Lőcse,
1936)

E.M.: 1998

19th- and 20th-century
Hungarian and Austrian
history, cultural
history

Fáj, Attila (Budapest,
1922)

E.M.: 1998

comparative literary
scholarship, philosophy,
aesthetics

Fejtő, Ferenc

(Nagykanizsa, 1909)

E.M.: 2001

modern East-Central
European history

Kibédi Varga, Áron
(Szeged, 1930)

E.M.: 1990

literary theory,
French literary
history

Köves-Zulauf, Thomas
(Kalaznó, 1923)

E.M.: 2007

classical philology, history
of Roman religion

Moravcsik, Julius M.

(Budapest, 1931)

E.M.: 2001

philosophy

Petőfi, Sándor János

(Miskolc, 1931)

E.M.: 2007

Philosophy of language,
textology

Péntek, János (Körösfő,

1941)

E.M.: 1941

linguistics, sociolinguistics

Schubert, Gabriella

(Budapest, 1943)

E.M.: 2004

South-East European
studies, Balcanic
studies

Honorary members

Bierwisch, Manfred

(Halle/S., 1930)

H.M.: 1995

Germanistics, general
linguistics

Bosworth, Clifford

Edmund (Sheffield, 1928)

H.M.: 2004

history of the Middle
East

Chandra, Lokesh

(Ambala, 1927)

H.M.: 1984

Buddhism

Dressler, Wolfgang U.

(Vienna, 1939)

E.M.: 2004

linguistics

Flaker, Aleksandar

(Bialystok, 1924)

H.M.: 1976

Russian literature,
comparative literary
scholarship

Gamkrelidzé, Thomas V.

(Kutaisi, Georgia, 1929)

H.M.: 2007

Kartvel and Indo-European
languages

Gnoli, Gherardo (Rome,

1937)

H.M.: 2004

oriental studies, Persian
studies, history
of religion

Handley, Eric Walter

(Birmingham, 1926)

H.M.: 1993

classical philology

Koselleck, Reinhart

(Görlitz, 1923)

H.M.: 1998

historical hermeneutics,
theory of history, politology

Maehler, Herwig (Berlin,
1935)

H.M.: 2007

classical philology, Greek
paperology

Mayrhofer, Manfred

(Linz, 1926)

H.M.: 1973

Indo-European linguistics

Michel, Alain (1929)

H.M.: 1983

classical philology

Mortier, Roland (Gent,
1920)

H.M.: 1979

French literature,
comparative literary
history

Naumann, Manfred

(Chemnitz, 1925)

H.M.: 1986

literary theory, comparative
literary scholarship

Pellegrini, Giovanni B.
(1921)

H.M.: 1995

comparative linguistics

Perrot, Jean (Males-
herbes /Loiret/, 1925)

H.M.: 1980

general linguistics, Uralic
languages

Rédei, Károly

(Nagykanizsa, 1932)

H.M.: 2007

Uralic linguistics

Sinor, Denis (Kolozsvár,
1916)

H.M.: 1979

oriental studies

Trinh, Hô Tôn (1920)

H.M.: 1979

literary studies, semiotics

Vasoli, Cesare (1924)

H.M.: 1976

history of philosophy

Wickmann, Bo (Uppland,
1917)

H.M.: 1998

linguistics, Uralistics,
Hungarology

Zieme, Peter (Berlin,
1942)

H.M.: 2001

Turkish studies, Middle East
studies

II. Section of Philosophy and History

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6219

Fax: (36-1) 411-6308

Internet: <http://cogsci.bme.hu/mta/>

E-mail: farkasl@office.mta.hu

Chair: **Szabó, Miklós** F.M.

Vice-chairmen: **Bálint, Csanád** C.M.

Hunyady, György F.M.

Secretary: **Farkas, László**

Scientific committees of the Section

Committee on Ancient History

Committee on Archaeology

Committee on Art History

Committee on History

Committee on Pedagogy

Committee on Philosophy

Committee on Psychology

Complex Committee on the History of Science and
Technology

Complex Committee on Theology

Full members

Almási, Miklós (Budapest,
1932)

C.M.: 1987; F.M.: 1993
philosophy, aesthetics

Berend, T. Iván

(Budapest, 1930)

C.M.: 1973; F.M.: 1979
history, history of economy

Garas, Klára

(Rákosszentmihály, 1919)

C.M.: 1973; F.M.: 1985
art history

Glatz, Ferenc (Csepel,
1941)

C.M.: 1993, F.M.: 2001
modern history of Hungary

Heller, Ágnes (Budapest,
1929)

C.M.: 1990; F.M.: 1995
philosophy

Hunyady, György

(Budapest, 1942)

C.M.: 2001; F.M. 2007
social psychology

Marosi, Ernő (Miskolc,
1940)

C.M.: 1993, F.M.: 2001
art history

Niederhauser, Emil

(Pozsony, 1923)

C.M.: 1987; F.M.: 1993
comparative history of
Eastern Europe

Nyíri, János Kristóf

(Rákoskeresztúr, 1944)

C.M.: 1993; F.M.: 2001
history of philosophy

Ormos, Mária (Debrecen,
1930)

C.M.: 1987; F.M.: 1993
history of the 20th century

Pataki, Ferenc (Szentcs, 1928)

C.M.: 1985; F.M.: 1990
social psychology

Pléh, Csaba (Sárisáp,
1945)

C.M.: 1998; F.M.: 2004
psycholinguistics,
psychology of cognitive

processes, history of
psychology

Pölöskei, Ferenc (Réde,
1930)

C.M.: 1987; F.M.: 1995
history

Szabad, György (Arad,
1924)

C.M.: 1982; F.M.: 1998
modern history of Hungary

Szabó, Miklós

(Szombathely, 1940)

C.M.: 1995, F.M.: 2001
classical archaeology,
Celtology

Székely, György

(Budapest, 1924)

C.M.: 1973; F.M.: 1985
history of the Middle Ages

Szigeti, József

(Rákospalota, 1921)

C.M.: 1967; F.M.: 1987
epistemology,
aesthetics, history of
philosophy

Vajda, Mihály András
(Budapest, 1935)

C.M.: 2001; F.M.: 2007
social philosophy,
Germanistics

Corresponding members

Bálint, Csanád (Kassa,
1943)

C.M.: 2001

archaeology and arts of the
early Middle Ages

Csépe, Valéria (Várpalota,
1951)

C.M.: 2007

experimental psychology,
cognitive psychophysiology

Fehér, M. István

(Budapest, 1950)

C.M.: 2007

philosophy

Galavics, Géza (Győr,
1940)

C.M.: 2001

art history

Kelemen, János (Kassa,
1943)

C.M.: 2004

philosophy of

language, analytical
philosophy, Italianistics

Orosz, István (Mád, 1935)

C.M.: 2004

history of Agriculture,
history

R. Várkonyi, Ágnes

(Salgótarján, 1928)

C.M.: 2007

16-18 c. history of
Hungary, historiography,
historical ecology

Romsics, Ignác

(Homokmégy, 1951)

C.M.: 2001

modern history of Hungary

Török, László (Budapest,
1941)

C.M.: 2004

history and archaeology of
the ancient Nubia,
Hellenistic and late antic art
of Egypt

External members

Benkő, Samu (Lőrincfalva,
1928)

E.M.: 1990

Hungarian and
Transylvanian cultural
history

Boskovits, Miklós

(Budapest, 1935)

E.M.: 1998

mediaeval and
Renaissance
painting

Csetri, Elek (Torda, 1924)
E.M.: 1990
history of Transylvania

Csikszentmihályi, Mihály
(Fiume, 1934)
E.M.: 1998
psychology

Deák, István
(Székesfehérvár, 1926)
E.M.: 1990
modern European
history

Demény, Lajos (Kisfűlpös,
1926)
E.M.: 1995
history

Egyed, Ákos (Bodos,
1929)
E.M.: 1990
history

Forgács, József
(Budapest, 1947)
E.M.: 2004
social psychology

Held, József (Budaepst,
1930)

E.M.: 2004
European history, 15–20th
centuries Eastern Europe

Hernád, István Róbert
(Budapest, 1945)
E.M.: 2001
cognitive psychology

Márkus, György
(Budapest, 1934)
E.M.: 1990
philosophy

Mészáros, István
(Budapest, 1930)
E.M.: 1995
philosophy,
politology,
aesthetics

Péter, László (Rákosliget,
1929)
E.M.: 1993
modern Hungarian
history

Vető, Miklós (Budapest,
1936)
E.M.: 2007
history of philosophy

Honorary members

Aretin, Karl Otmar von
(Munich, 1923)
H.M.: 1986
history

Bruner, Jerome (New
York, 1915)
H.M.: 2001
psychology

Dennett, Daniel C.

(Boston, 1942)

H.M.: 2001

cognitive psychology and
philosophy

Du Reau, Elisabeth

(Nancy, 1937)

H.M.: 2004

history

Evans, Robert J.W.

(Leicester, 1943)

H.M.: 1995

history

Fried, Johannes

(Hamburg, 1942)

H.M.: 2004

mediaeval history

Geremek, Bronislaw

(Warsaw, 1932)

H.M.: 2001

social and cultural
history

Haselsteiner, Horst

(Belgrade, 1942)

H.M.: 1998

History of the Habsburg
Empire in the 18–20th
centuries

Hintikka, Jaakko (Vantaa,

1929)

H.M.: 2001

philosophical semantics

Hobsbawm, Eric J.E.

(Alexandria, 1917)

H.M.: 1979

history

Jakó, Zsigmond

(Biharfélegyháza, 1916)

H.M.: 1988

history of the Middle
Ages

Kahneman, Daniel (Tel-

Aviv, 1934)

H.M.: 2007

psychology

Kocka, Jürgen (Haindorf,

1941)

H.M.: 1995

modern history

Kovac, Dusan (Homonna,

1942)

H.M.: 2007

history

Moscovici, Serge (Braila,

1925)

H.M.: 1998

social psychology

Walter-Klingenstein,

Grete (Hartberg, 1939)

H.M.: 1998

state and clerical
history in the 18th
century

III. Section of Mathematics

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6128

Fax: (36-1) 411-6380

Internet: www.math.bme.hu/akademia/

E-mail: laszloj@office.mta.hu

Chairman: **Szász, Domokos** F.M.

Vice-chairman: **Csörgő, Sándor** F.M.

Secretary: **László, János** C.Sc.

Scientific committees of the Section

Committee on Informatics and Computer Science

Committee on Mathematics

Committee on Operational Research

Full members

Babai, László (Budapest, 1950)

C.M.: 1990; F.M.: 1995
mathematics, computer science

Császár, Ákos (Budapest, 1924)

C.M.: 1970; F.M.: 1979
real functions theory, general topology

Csiszár, Imre (Miskolc, 1938)

C.M.: 1990; F.M.: 1995
mathematics, mathematical statistics, information theory

Csörgő, Sándor

(Egerfarmos, 1947)
C.M.: 2001; F.M.: 2007
probability theory and mathematical statistics

Daróczy, Zoltán

(Bihartorda, 1938)
C.M.: 1985; F.M.: 1990
mathematical analysis

Demetrovics, János

(Püspökladány, 1946)
C.M.: 1987; F.M.: 1995
information science, computer science

Fritz, József (Magyaróvár, 1943)

C.M.: 1995, F.M.: 2001
mathematical physics,
probability theory

Gécseg, Ferenc (Zalavár, 1939)

C.M.: 1987; F.M.: 1995
theory of automata

Győry, Kálmán (Ózd, 1940)

C.M.: 1993; F.M.: 1998
mathematics, number
theory

Hajnal, András (Budapest, 1931)

C.M.: 1976; F.M.: 1982
set theory, combinatorics

Halász, Gábor (Budapest, 1941)

C.M.: 1987; F.M.: 1995
mathematics

Hatvani, László
(Csongrád, 1943)

C.M.: 1998; F.M. 2004
mathematics, differential
equations

Kátai, Imre

(Kiskunlacháza, 1938)
C.M.: 1979; F.M.: 1985
analytical number theory,
fractal geometry

Katona, Gyula (Budapest, 1941)

C.M.: 1995, F.M.: 2001
combinatorics, computer
science

Laczkovich, Miklós
(Budapest, 1948)

C.M.: 1993; F.M.: 1998
mathematics, real function
theory

Leindler, László

(Kecskemét, 1935)
C.M.: 1973; F.M.: 1982
analysis

Lovász, László (Budapest, 1948)

C.M.: 1979; F.M.: 1985
mathematics, computer
science

Prékopa, András

(Nyíregyháza, 1929)
C.M.: 1979; F.M.: 1985
operational research

Révész, Pál (Budapest, 1934)

C.M.: 1982; F.M.: 1987
probability theory

Rónyai, Lajos (Szekszárd, 1955)

C.M.: 2001; F.M. 2007
computation, algebra

Ruzsa Z., Imre (Budapest, 1953)

C.M.: 1998; F.M.: 2004
number theory, probability
theory

Sárközy, András

(Budapest, 1941)

C.M.: 1998;

F.M.: 2004

number theory

Simonovits, Miklós

(Budapest, 1943)

C.M.: 2001

combinatorics, algorithm
theory

Sós, Vera T. (Budapest,
1930)

C.M.: 1985;

F.M.: 1990

combinatorics, number
theory

Szász, Domokos

(Budapest, 1941)

C.M.: 1990; F.M.: 1995

dynamic systems,
mathematical statistical
physics

Szemerédi, Endre

(Budapest, 1940)

C.M.: 1982; F.M.: 1987

combinatorics, number
theory, algorithm theory

Totik, Vilmos

(Mosonmagyaróvár, 1954)

C.M.: 1993, F.M.: 2001

mathematics

Tusnády, Gábor

(Mátészalka, 1941)

C.M.: 1995, F.M.: 2001

mathematical statistics

Corresponding members

Füredi, Zoltán (Budapest,
1954)

C.M.: 2004

combinatorics,
graph theory and its
applications

Juhász, István (Budapest,
1943)

C.M.: 2007

topology, set theory

Major, Péter (Budapest,
1947)

C.M.: 2004

probability theory,
physical
mathematics

Pálffy, Péter Pál

(Debrecen, 1955)

C.M.: 2004

algebra

Pintz, János (Budapest,
1950)

C.M.: 2004

number theory

Szűcs, András (Budapest,
1950)
C.M.: 2007

algebraic and differential
topology

External members

Aczél, János (Budapest,
1924)
E.M.: 1990
functional equations and
their applications

Ajtai, Miklós (Budapest,
1946)
E.M.: 1995
mathematical logic,
theoretical computer
science, discrete
mathematics

Balas, Egon (Kolozsvár,
1922)
E.M.: 2004
operational research,
mathematical
programming

Beck, József (Budapest,
1952)
E.M.: 2004
combinatorics, number
theory, probability theory

Bollobás, Béla (Budapest,
1943)
E.M.: 1990
mathematics,
combinatorics

Csörgő, Miklós
(Egerfarnos, 1932)
E.M.: 1995
probability theory,
mathematical statistics

Frankl, Péter (Kaposvár,
1953)
E.M.: 1998
combinatorics, geometry

Fuchs, László (Budapest,
1924)
E.M.: 1990
algebra

Galambos, János (Zirc,
1940)
E.M.: 1993
probability theory,
probabilistic number theory

Grätzer, György
(Budapest, 1936)
E.M.: 1998
lattice theory, universal
algebra

Horváth, János
(Budapest, 1924)
E.M.: 1998
mathematics (linear
functional analysis)

Kollár, János (Budapest, 1956)
E.M.: 1995
mathematics, algebraic geometry

Kolumbán, József
(Gyergyószentmiklós, 1935)
E.M.: 2001
non-linear analysis

Komlós, János (Budapest, 1942)
E.M.: 1998
stochastics, discrete mathematics, computer science

Korányi, Ádám (Szeged, 1932)
E.M.: 2001
geometry, integral theory

Lempert, László
(Budapest, 1952)
E.M.: 2004
complex analysis and geometry

Makkai, Mihály
(Budapest, 1939)
E.M.: 1995
algebraic logic, model theory, category theory in logic

Németh, Sándor
(Kolozsvár, 1938)
E.M.: 2007
nonlinear analysis

Takács, Lajos (Maglód, 1924)
E.M.: 1993
probability theory

Honorary members

Baker, Alan (London, 1939)
H.M.: 2001
number theory

Benz, Walter
(Lahnstein/Rhein, 1931)
H.M.: 2004
geometry

Burkard, Rainer (Graz, 1943)

H.M.: 1998
operational research

Carleson, Lennart A. E.
(Stockholm, 1928)
H.M.: 1986
mathematics

Foias, Ciprian (Resita, 1933)
H.M.: 1993
mathematical analysis

Graham, Ronald L. (Taft, California, 1935)

H.M.: 2001

number theory,
theoretical computing
science, discrete
mathematics

Kahane, Jean-Pierre

(Paris, 1926)

H.M.: 1988

mathematics

Lax, Peter David

(Budapest, 1926)

H.M.: 1993

functional analysis and its
applications

Nikolski, Sergei M.

(1905)

H.M.: 1976

mathematics

Osipov, Jurij S. (Tobolsk, 1936)

H.M.: 2004

mathematics

Ray-Chaudhuri,

Dwijendra K.

(Narayangan, Bengal, 1933)

H.M.: 2004

combinatorics

Rudin, Mary Ellen

(Hillsboro, Texas, 1924)

H.M.: 1995

set-theoretical topology

Salomaa, Arto (Turku, 1934)

H.M.: 1998

mathematics, computer
science

Schinzel, Andrzej

(Sandomierz, 1937)

H.M.: 2001

number theory

Sinai, Yakov Grigorievich

(Moscow, 1935)

H.M.: 1993

mathematics

Thirring, Walter (Vienna, 1927)

H.M.: 1998

functional analysis,
theory of operator
algebras,
mathematical physics

Young, Lai-Sang (Hong-

Kong, 1952)

H.M.: 2004

dynamical systems, ergodic
theory

IV. Section of Agricultural Sciences

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6310

Fax: (36-1) 411-6162

Internet: <http://www.mta.hu/index.php?id=443>

E-mail: koszti@office.mta.hu

Chairman: **Horn, Péter** F.M.

Vice-chairman: **Németh, Tamás** F.M.

Secretary: **Sárdi, Éva** C.Sc.

Scientific committees of the Section

Committee on Agricultural Biotechnology

Committee on Agricultural Economics

Committee on Agricultural Engineering

Committee on Agricultural History and Rural Sociology

Committee on Agricultural Water Management

Committee on Animal Experiments

Committee on Animal Husbandry and Foraging

Committee on Biometrics and Biomathematics

Committee on Forestry

Committee on Horticulture

Committee on Grassland Management

Committee on Plant Breeding

Committee on Crop Production

Committee on Plant Protection

Committee on Soil Science and Agricultural Chemistry

Committee on Veterinary Science

Full members

Balázs, Ervin (Budapest,
1948)

C.M.: 1995, F.M.: 2001

molecular plant pathology,

plant virology

Balázs, Sándor (Szegvár,
1925)

C.M.: 1982; F.M.: 1990

horticulture

Csáki, Csaba (Túrkeve,
1940)

C.M.: 1987; F.M.: 1993
agricultural economics

Cselőtei, László

(Rákospalota, 1925)

C.M.: 1970; F.M.: 1976
horticulture (irrigation)

Dimény, Imre (Komolló,
1922)

C.M.: 1982; F.M.: 1990
agricultural economics
(technological
development)

Dudits, Dénes

(Mosonmagyaróvár, 1943)

C.M.: 1990; F.M.: 1995
molecular and cellular plant
biology, biotechnology

Harnos, Zsolt (Budapest,
1941)

C.M.: 1995; F.M.: 2001
agroinformatics

Heszky, László (Győr,
1945)

C.M.: 1998; F.M.: 2004
plant genetics, breeding
and biotechnology

Horn, Péter (Budapest,
1942)

C.M.: 1985; F.M.: 1993
agricultural science, applied
animal genetics

Hornok, László

(Újpest, 1947)

C.M.: 2001; F.M.: 2007
agricultural microbiology

Horváth, József

(Keszthely, 1936)

C.M.: 1995; F.M.: 2001
agricultural science, plant
protection, virology

Király, Zoltán (Óbecse,
1925)

C.M.: 1973; F.M.: 1982
plant pathology,
pathophysiology

Kovács, Ferenc

(Somogyszentpál, 1921)

C.M.: 1976; F.M.: 1982
veterinary science, animal
hygiene

Kurnik, Ernő

(Mecsekszabolcs, 1913)

C.M.: 1970; F.M.: 1976
plant breeding and
cultivation

Láng, István (Mohács,
1931)

C.M.: 1979; F.M.: 1985
agrochemistry, soil science,
environmental science

Mészáros, János

(Nádudvar, 1927)

C.M.: 1976; F.M.: 1982
infectious diseases
of domestic animals

Nagy, Béla (Debrecen, 1941)
C.M.: 1998; F.M.: 2004
veterinary microbiology and epidemiology

Németh, Tamás
(Szombathely, 1952)
C.M.: 2001; F.M.: 2007
soil science, agrochemistry, environment protection

Sáringer, Gyula
(Magyarszerdahely, 1928)
C.M.: 1990; F.M.: 1995
plant protectional zoology, experimental insect ecology

Schmidt, János
(Feketeerdő, 1935)
C.M.: 2001; F.M.: 2007
fodder science

Solymos, Rezső
(Bejczygyertyános, 1929)
C.M.: 1998; F.M.: 2004

forestry, silviculture, yield production, forest management

Stefanovits, Pál (Kassa, 1920)
C.M.: 1970; F.M.: 1976
soil science, agricultural environment protection

Tomcsányi, Pál
(Budapest, 1924)
C.M.: 1990; F.M.: 1995
agricultural marketing, evaluation of plant varieties, methodology

Varga, János (Győr, 1941)
C.M.: 2001; F.M.: 2007
veterinary microbiology, epidemiology

Várallyay, György
(Debrecen, 1935)
C.M.: 1993; F.M.: 1998
soil science, agroecology, environment protection

Corresponding members

Barnabás, Beáta Mária
(Budapest, 1948)
C.M.: 2007
plant propagation biology, biotechnology

Bedő, Zoltán (Debrecen, 1951)
C.M.: 2004
breeding and seed production for arable crops

Kőmíves, Tamás

(Budapest, 1944)

C.M.: 2004

plant protection

Mátyás, Csaba

(Marosvásárhely, 1943)

C.M.: 2004

forestry genetics,

environmental science

Mesterházy, Ákos

(Deutsch Krone, 1945)

C.M.: 2007

resistant breeding, wheat
breeding, food safety

Solti, László (Budapest,
1946)

C.M.: 2004

veterinary science

External members

Belák, Sándor

(Mosonmagyaróvár, 1946)

E.M.: 2007

veterinary virology and
epidemiology

Bojkó, Miklós (Ruszke

Pole, 1928)

E.M.: 2004

forestry, ecology

Bornemisza, Elemér

(Arad, 1930)

E.M.: 1993

soil science, tropical soils

Čamprag, Dusan (Ada,
1925)

E.M.: 2004

plant protectional zoology

Kastori, Rudolf (Karlovac,
1935)

E.M.: 1998

physiology of agricultural
plants

Kosztarab, Mihály

(Bucharest, 1927)

E.M.: 1995

entomology, biology

Lelley, Jan Iván (Nyitra,
1938)

E.M.: 2007

micrology

Maliga, Pál (Budapest,
1946)

E.M.: 2001

molecular genetics of plants

Németh, Ferenc (Iván,
1933)

E.M.: 1998

veterinary medicine, clinical
zootherapy

Rédei, György P. (Vienna,
1921)

E.M.: 1990

classical and molecular
plant genetics

Salamon, István
(Marosvásárhely, 1918)
E.M.: 1993
reproduction biology of
domestic animals

Somogyi, Árpád (Környe,
1937)
E.M.: 2001
pharmacology, toxicology

Honorary members

Borlaug, Norman E.
(Crespo, Iowa, 1914)
H.M.: 1980
agriculture, corn and wheat
breeding

Boyazoglu, Jean
(Alexandria, 1937)
H.M.: 2001
animal husbandry,
genetics,
agroecology

Brem, Gottfried
(Rosenheim, 1953)
H.M.: 2004
biotechnology of animal
husbandry, molecular
genetics

Dakov, Mako Petrov
(Resseletz, 1920)
H.M.: 1986
forestry

**Ernst, Lev
Konstantinovich** (St.
Senikovo, 1929)
H.M.: 1998
animal husbandry

Flores Pedauye, Ricardo
(Almoradi, Alicante, 1947)
H.M.: 2007
plant virology, molecular
plant biology, cell biology

Johnson, Stanley R.
(USA, 1938)
H.M.: 1998
agricultural economics

Kudrna, Karel
(Sudomerice u Bechyne,
1924)
H.M.: 1988
agricultural systems

Mac Key, James (Varberg,
1919)
H.M.: 1986
agricultural science,
genetics

Müller, Georg (Budaörs,
1917)
H.M.: 1986
soil biology

Potrykus, Ingo
(Hirschberg, 1933)
H.M.: 2004

plant genetics, agricultural
science

Rübensam, Eric (Jaasde,
1922)

H.M.: 1983

agriculture, pasture
economy, paedology

Schönmuth, Georg

(Frankena, 1928)

H.M.: 1985

agricultural science

van Staden, Johannes

(Outshoom, Cape Province,
1939)

H.M.: 2004

entomological botanics,
agricultural science

Vasil, Indra K. (Basti,
1932)

H.M.: 1998

molecular and biotech-
nological plant breeding



V. Section of Medical Sciences

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6331

Fax: (36-1) 411-6239

Internet: <http://www.mta.hu/index.php?id=444>

E-mail: kurtine@office.mta.hu

Chairman: **Romics, László** F.M.

Vice-chairman: **Vécsei, László** F.M.

Secretary: **Tóth, Miklós** D.Sc.

Scientific committees of the Section

Committee on Clinical Medicine I

Committee on Clinical Medicine II

Committee on Clinical Neuroscience

Committee on Diagnostics

Committee of Hungarian Physicians Abroad Committee on
Preventive Medicine

Committee on Theoretical Medicine

Complex Committee on Pharmacology

Full members

Ádám, Veronika

(Nagykanizsa, 1949)

C.M.: 2001; F.M.: 2007

neuroscience,

neurochemistry

clinical dermatology,
immunology, pharmacology

Eckhardt, Sándor

(Budapest, 1927)

C.M.: 1985; F.M.: 1990

clinical oncology,
pharmaceutical research

Besznyák, István (Eger,
1931)

C.M.: 1998; F.M.: 2004

medical science

Halász, Béla (Kalaznó,
1927)

C.M.: 1979; F.M.: 1985

neuroendocrinology,
anatomy, histology

Dobozy, Attila (Szeged,
1939)

C.M.: 1998; F.M. 2004

Hollán, Zsuzsa (Budapest, 1920)

C.M.: 1973; F.M.: 1982

haematology,
immunology, blood
transfusion

Jobst, Kázmér (Pécs, 1924)

C.M.: 1982; F.M.: 1990

clinical chemistry

Knoll, József (Kassa, 1925)

C.M.: 1970; F.M.: 1979

pharmacology

Kosztolányi, György

(Szekszárd, 1942)

C.M.: 2001; F.M. 2007

medical genetics

Kovács, László

(Sátoraljaújhely, 1939)

C.M.: 1998; F.M. 2004

cell physiology

Lapis, Károly (Túrkeve, 1926)

C.M.: 1970; F.M.: 1979

pathology, oncology

Magyar, Kálmán

(Szentlőrinc-káta, 1933)

C.M.: 1987; F.M.: 1995

pharmaco-biochemistry
of the central nervous
system

Makara, B. Gábor

(Budapest, 1939)

C.M.: 1998; F.M.: 2004

neuroendocrinology

Muszbek, László

(Sárrétudvari, 1942)

C.M.: 1990; F.M.: 1995

blood coagulation

Nász, István (Túrkeve, 1927)

C.M.: 1979; F.M.: 1985

microbiology, virology

Palkovits, Miklós

(Budapest, 1933)

C.M.: 1990; F.M.: 1995

neuroanatomy,
neuroendocrinology

Papp, Gyula (Szigetvár, 1937)

C.M.: 1993; F.M.: 1998

experimental cardiology,
pharmacology of the heart
and the vascular system

Pásztor, Emil (Budapest, 1926)

C.M.: 1979; F.M.: 1987

neurosurgery

Petrányi, Győző (Szeged, 1933)

C.M.: 1990; F.M.: 1998

immunogenetics,
transplantation
immunology

Romics, László (Érd,
1936)
C.M.: 1995; F.M.: 2001
internal medicine

Sótonyi, Péter (Budapest,
1938)
C.M.: 2001; F.M. 2007
judicial pathology

Spät, András (Budapest,
1940)
C.M.: 1993; F.M.: 1998
physiology, molecular
endocrinology

Szegedi, Gyula (Újszász,
1936)
C.M.: 1995, F.M.: 2001
internal pathology,
clinical immunology

Szolcsányi, János
(Budapest, 1938)
C.M.: 1995; F.M.: 2001
medical science

Telegdy, Gyula
(Nagyszeben, 1935)
C.M.: 1990; F.M.: 1995
neuroendocrinology,
neurobiology,
pathological
physiology

Tulassay, Tivadar
(Galánta, 1949)
C.M.: 2001; F.M. 2007
paediatrics,
nephrology,
neonatology

Vécsei, László
(Kiskunfélegyháza, 1954)
C.M.: 2001; F.M. 2007
clinical and experimental
neurology

Vizi, E. Szilveszter
(Budapest, 1936)
C.M.: 1985; F.M.: 1990
pharmacology,
neuroscience

Corresponding members

Dóczi, Tamás Péter
(Szeged, 1949)
C.M.: 2007
neurosurgery

Kovács, L. Gábor (Pécs,
1948)
C.M.: 2004
endocrinology, laboratory
diagnostics

Ligeti, Erzsébet
(Budapest, 1950) C.M.:
2007
cell physiology,
immunology

Mandl, József (Budapest,
1947)
C.M.: 2004
biochemistry

Oláh, Edit (Káld, 1947)

C.M.: 2007

molecular oncology,

molecular

oncogenetics

Tulassay, Zsolt (Galánta, 1944)

C.M.: 2004

internal medicine,

gastroenterology

External members

Ambrus, Clara (Rome, 1924)

E.M.: 2001

paediatrics, haematology

Ambrus, Gyula (Budapest, 1924)

E.M.: 1993

internal medicine,

haematology, oncology,

pharmacology

Bauer, Győző (Érsekújvár, 1942)

E.M.: 1998

pharmacology

Berde, Botond

(Nagyenyed, 1919)

E.M.: 1993

pharmacology

Brassai, Zoltán

(Marosvásárhely, 1935)

E.M.: 1998

internal medicine

Diczfalusy, Egon (Miskolc, 1920)

E.M.: 1998

reproductional

endocrinology

Erdős, Ervin G. (Budapest, 1922)

E.M.: 1995

neurobiochemistry

Frühling, János

(Budapest, 1937)

E.M.: 2001

nuclear medicine, oncology

Gosztonyi, György

(Budapest, 1932)

E.M.: 2004

neuropathology,

neurovirology

Gyermek, László

(Budapest, 1926)

E.M.: 2004

anaesthesiology,

pharmacology

Hortobágyi, N. Gabriel

(Szarvas, 1946)

E.M.: 2004

clinicopathology and

therapy of breast cancer

Huszár, B. Gábor

(Budapest, 1938)

E.M.: 1998

andrology, sperm cell
biology and genetics,
physiology of womb and
cervix

Jakó, Géza (Budapest,
1930)

E.M.: 2001

ear, nose and throat
medicine, micro- and laser-
surgery

Jánossy, György

(Debrecen, 1940)

E.M.: 2007

clinical immunology,
immunology of virus
infections

Jolesz, A. Ferenc

(Budapest, 1946)

E.M.: 2004

radiology

Kovács, Kálmán (Szeged,
1926)

E.M.: 2004

pathology, endocrine
pathology, hypophysis
tumours

Kúnos, György (Budapest,
1942)

E.M.: 1995

pharmacology, molecular
biology,
neuroendocrinology

Lajtha, Ábel (Budapest,
1922)

E.M.: 1990

neurochemistry,
biochemistry

Lóránd, László (Győr,
1923)

E.M.: 1995

biochemistry of blood
coagulation, transgluta-
minases, gerontology

Makovitzky, József

(Nagykanizsa, 1942)

E.M.: 2007

pathology, histochemistry

Mody, István

(Marosvásárhely, 1957)

E.M.: 2001

neurology

Pasternák, Alfréd (Tallia,
1930)

E.M.: 2004

human reproduction,
gynaecological
endoscopy

Róbert, László (Budapest,
1924)

E.M.: 1995

biochemistry

Sinkovics, G. József

(Budapest, 1924)

E.M.: 1993

internal medicine,

microbiology,
immunology, oncology,
virology

Tassonyi, Edömér
(Debrecen, 1940)
E.M.: 2007

anaesthesiology,
neuroscience

Vermes, István (Szolnok,
1946)
E.M.: 2007
medical laboratory

Honorary members

Arber, Werner
(Gränichen, Switzerland,
1929)
H.M.: 2007
microbiology

Berkowitz, Ross Stuart
(Utica, N.Y. 1949)
H.M.: 1998
pregnancy trophoblast
diseases, ovarian cancer

Bernard, Jean Alfred
(Paris, 1907)
H.M.: 1979
haematology

Bowman, William C.
(1930)
H.M.: 1995
physiology,
pharmacology

Chazov, Yevgenii I.
(Gorkii, 1929)
H.M.: 1988
cardiology

Dausset, Jean (Toulouse,
1916)

H.M.: 1981
immunogenetics

Diehl, Volker (Berlin,
1938)
H.M.: 1998
haematology,
oncology

Gryglewski, Ryszard
Jerzy (Wilno, 1932)
H.M.: 1998
medical science

Hershko, Avram (Karcag,
1937)
H.M.: 2007
biochemistry

Hökfelt, Thomas
(Stockholm, 1940)
H.M.: 2004
neuroanatomy

Klein, György (Budapest,
1925)
H.M.: 1983
tumour biology

Lown, Bernard (Utena,
Lithuania, 1921)
H.M.: 1988
cardiology

Mehra, Narinden
(Amritsar, Punjab, 1949)
H.M.: 2004
immunogenetics

Müller, Mathias M.
(Vienna, 1942)
H.M.: 2001
laboratory medicine

Orlowski, Tadeusz
(Kazan, 1917)
H.M.: 1970
nephrology, organ
transplantation

Petersen, Ole
(Copenhagen, 1943)
H.M.: 2004
medical science

Riederer, Peter Franz
(Königsberg, 1942)
H.M.: 2007
experimental and clinical
neurochemistry and
molecular
neurobiology

Ruskoaho, Heikki (Kemi,
1952)
H.M.: 2001
pharmacology,
cardiovascular
endocrinology

Seitelberger, Franz
(Vienna, 1916)
H.M.: 1986
neurology, neuropathology

Thorgeirsson, Snorri S.
(Island, 1941)
H.M.: 2004
experimental hepatic and
pancreas carcinogenesis

Thurau, Klaus (Bautzen,
1928)
H.M.: 1986
physiology, nephrology

Weber, George (1922)
H.M.: 1986
tumour biochemistry,
chemotherapy

Wiesel, Torsten N.
(Uppsala, 1924)
H.M.: 2007
neurobiology

Winkler, Hans (Innsbruck,
1939)
H.M.: 1998
pharmacology

Wollheim, Claes B. (Lund,
1943)
H.M.: 2007
cell physiology,
biochemistry, endocrinology

Yrribar, Wilfredo Torres
(Guantánamo, 1933)
H.M.: 1983
medical science

VI. Section of Engineering Sciences

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6314

Fax: (36-1) 411-6301

Internet: <http://www.mta.hu/mta>

E-mail: muszaki@office.mta.hu

Chairman: **Gyulai, József** F.M.

Vice-chairman: **Stépán, Gábor** F.M.

Secretary: **Czeplédi, Gyula**

Scientific committees of the Section

Committee on Architecture

Committee on Automation and Computer Science

Committee on Electrical Engineering

Committee on Electronic Devices and Technologies

Committee on Energetics

Committee on Fibre Technology

Committee on the History and Theory of Architecture

Committee on Hydrodynamics and Thermal Energy
Engineering

Committee on Information Science

Committee on Materials Science and Technology

Committee on Mechanical Structures

Committee on Metallurgy

Committee on Solid Mechanics

Committee on Telecommunication Systems

Committee on Town Planning

Committee on Transport Engineering

Committee on Water Management

Complex Committee on Acoustics

Full members

Arató, Péter (Budapest,
1942)

C.M.: 2001; F.M.: 2007

digital technology, logical
synthesis

Bokor, József (Tiszadob, 1948)

C.M.: 1998; F.M.: 2001
system and control theory,
computer control systems

Csurgay, Árpád István
(Budapest, 1936)

C.M.: 1985; F.M.: 1993
nanoelectronics, theory of
circuits, information
technology

Czibere, Tibor (Tapolca, 1930)

C.M.: 1976; F.M.: 1985
hydromechanics,
hydrodynamic machines

Finta, József (Kolozsvár, 1935)

C.M.: 1985; F.M.: 1993
architecture, theory of
architecture, spatial
aesthetics

Gáspár, Zsolt (Budapest, 1944)

C.M.: 1993; F.M.: 1998
theory and mechanics of
structures

Ginsztler, János
(Budapest, 1943)

C.M.: 2001; F.M.: 2007
material technology

Györfi, László
(Hercegfalva, 1947)

C.M.: 1995; F.M.: 2001

mathematics (non-
parametric statistics)

Gyulai, József
(Hódmezővásárhely, 1933)

C.M.: 1990; F.M.: 1995
material science,
technology of
semiconductors

Haszpra, Ottó (Budapest, 1928)

C.M.: 1998; F.M.: 2004
hydraulics,
hyrotechnology

Kaliszky, Sándor
(Diósgyőr, 1927)

C.M.: 1990; F.M.: 1995
mechanics, plasticity theory

Keviczky, László
(Ráckeve, 1945)

C.M.: 1985; F.M.: 1993
control theory

Kollár, László Péter
(Budapest, 1958)

C.M.: 2001; F.M.: 2007
composite mechanical
structures

Kozák, Imre (Gór, 1930)

C.M.: 1995; F.M.: 2001
mechanics of continuum

Lukács, József (Budapest, 1925)

C.M.: 1973; F.M.: 1985
semiconductor

technology, molecular
reaction dynamics

Michelberger, Pál

(Vecsés, 1930)

C.M.: 1982; F.M.: 1990

engineering

Mosonyi, Emil (Budapest,
1910)

C.M.: 1951; F.M.: 1991

hydrotechnology, utilisation
of hydropower,
hydrology

Nagy, István (Budapest,
1931)

C.M.: 1993; F.M.: 1998

power electronics, motion
control, nonlinear dynamics

Páczelt, István

(Nyírparsznya, 1939)

C.M.: 1987; F.M.: 1995

mechanical engineering,
finite element method

Pap, László (Diósgyőr,
1943)

C.M.: 2001; F.M.: 2007

theory and technology of
communication systems

Prohászka, János

(Budapest, 1920)

C.M.: 1970; F.M.: 1982

material science and
technology

Reményi, Károly

(Pestszenterzsébet, 1934)

C.M.: 1987; F.M.: 1998

energetics, combustion
technology

Roska, Tamás (Budapest,
1940)

C.M.: 1993; F.M.: 1998

electronics, information
technology

Sitkei, György (Orosháza,
1931)

C.M.: 1998; F.M.: 2004

thermal power and
agricultural machines,
mechanics of soil
cultivating machines

Somlyódy, László

(Kecskemét, 1943)

C.M.: 1990; F.M.: 1998

water management,
water quality
management

Stépán, Gábor (Budapest,
1953)

C.M.: 2001; F.M.: 2007

analytical mechanics

Szabó, János (Budapest,
1920)

C.M.: 1970; F.M.: 1979

theoretical and applied
mechanics

Tarnai, Tibor (Hatvan, 1943)

C.M.: 1995, F.M.: 2001
mechanics of structures

Tuschák, Róbert
(Salgótarján, 1927)

C.M.: 1982; F.M.: 1990
control technology

Vajda, György (Budapest, 1927)

C.M.: 1976; F.M.: 1982

energetics,
electrotechnics

Vajna, Zoltán (Kolozsvar, 1928)

C.M.: 1993; F.M.: 1998
hydrodynamics

Vámos, Tibor (Budapest, 1926)

C.M.: 1973; F.M.: 1979
computer science

Corresponding members

Cságoly, Ferenc
(Nagykanizsa, 1948)

C.M.: 2007
architecture

Domokos, Gábor
(Budapest, 1961)

C.M.: 2004
nonlinear
mechanics

Kurutzné Kovács, Márta
(Budapest, 1940)

C.M.: 2004
mechanical engineering,
biomechanics

Palkovics László
(Zalaegerszeg, 1965)

C.M.: 2007
vehicle engineering

Péceli, Gábor (Budapest, 1950)

C.M.: 2007
embedded
informational
systems

Roósz, András
(Weissenstein, 1945)

C.M.: 2004
material science

Stefán, Mihály
(Bódvaszilas, 1932)

C.M.: 1976
material science

Székely, Vladimír
(Budapest, 1941)

C.M.: 2004
microelectronics

External members

Bélády, László Antal

(Budapest, 1928)

E.M.: 1990

computer science

Dusza, János (Sajógömör,
1952)

E.M.: 2007

material science, modern
ceramics

Gertler, János (Vienna,
1936)

E.M.: 1995

automation, technological
diagnostics

Gyenge, Csaba

(Székelykocsárd, 1940)

E.M.: 2004

machine engineering

Hottovy, Tibor (Budapest,
1923)

E.M.: 1990

town planning, informatics

Hulkó, Gábor (Ógyalla,
1947)

E.M.: 2007

theory of systems and
control

Karádi, Gábor (Budapest,
1924)

E.M.: 2001

fluid mechanics,
environmental studies

Maros, Dezső (Hátszeg,
1920)

E.M.: 1993

general theory of
connecting cogwheels

Őry, Huba (Arad, 1927)

E.M.: 1990

space flight, flight,
mechanics
of structures

Polónyi, István (Gyula,
1930)

E.M.: 2007

planning of
structures

Schey, János (Sopron,
1922)

E.M.: 1990

malleable shaping
of metals, tribology

Sebestyén, Gyula

(Debrecen, 1921)

E.M.: 1990

construction technology

Simonyi, Charles

(Budapest, 1948)

E.M.: 2004

technical science, computer
science

Springer, György

(Budapest, 1933)

E.M.: 1995

mechanics of structures,
composite materials

Szabó, Barna

(Martonvásár, 1935)

E.M.: 1995

applied mechanics, finite
element computations

Honorary members

Aström, Karl Johan

(Östersund, 1934)

H.M.: 2001

automatic and stochastic
direction, computer
processes

H.M.: 2001

non-linear mechanics,
dynamic systems

Beér, János Miklós

(Budapest, 1923)

H.M.: 1986

combustion technology and
theory

Kaczorek, Tadeusz

(Elzbiecin, 1932)

H.M.: 2004

system and control theory,
automatic control and
applied mathematics

Chua, Leon Ong (Tarlac,

Philippines, 1936)

H.M.: 2007

electronics, computing

Kálmán, Rudolf Emil

(Budapest, 1930)

H.M.: 1976

mathematics, systems
theory

Downs, Diarmuid

(Kilburn, 1922)

H.M.: 1988

internal-combustion
engines

Kerisel, Jean Lehuérog

(1908)

H.M.: 1973

engineering

Engelbrecht, Jüri (Tallinn,

1939)

H.M.: 1998

applied mechanics

Krasovskii, Nikolai N.

(Jekaterinburg, 1924)

H.M.: 1988

control theory

Holmes, Philip J.

(Lincolnshire, 1945)

Liebowitz, Harold (New
York, 1924)

H.M.: 1993

fractural mechanics

Lu, Yongxiang (Zhejiang, 1942)

H.M.: 2004
fluid mechanics

Maier, Giulio (Capodistria, 1931)

H.M.: 1998
theoretical and numerical mechanics

Mamalis, Athanasios G.

(Loutraki, 1941)

H.M.: 1998
deformation of metals,
static and dynamic powder
metallurgy processes,
fracture safety of thin-wall
metal polymer and glass
fibre materials

Mang, Herbert A. (Vienna, 1942)

H.M.: 2007
mechanical engineering

Massey, James Lee

(Wauseon, Ohio, 1934)

H.M.: 1993
information theory,
algebraic code theory,
cryptology

Mróz, Zenon (Suchowola, 1930)

H.M.: 2001

theoretical and applied
mechanics

Seindlin, Aleksandr J.

(1916)

H.M.: 1979
energetics

Thoma, Manfred

(Neumarkt, 1929)

H.M.: 1995
system theory

Velihov, Yevgenii P.

(Moscow, 1935)

H.M.: 1988
theoretical
magnetohydrodynamics

Wilamowski, Bogdan M.

(Krosno, Poland, 1944)

H.M.: 2007
semiconductors, integrated
circuits, artificial
intelligence

Záborszky, John

(Budapest, 1914)

H.M.: 1986
system theory

Zemanek, Heinz (Vienna, 1920)

H.M.: 2001
computer science,
information science

VII. Section of Chemistry

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6167

Fax: (36-1) 411-6306

Internet: www.kfki.hu/~cheminfo/osztaly/index.html

E-mail: pappe@office.mta.hu

Chairman: **Medzihradszky, Kálmán** F.M.

Vice-chairman: **Joó, Ferenc** F.M.

Secretary: **Zemplénné Papp, Éva** Ph.D.

Scientific committees of the Section

Committee on Analytical Chemistry

Committee on Environmental Chemistry

Committee on Organic and Biomolecular Chemistry

Committee on Physical Chemistry and Inorganic Chemistry

Committee on Radiochemistry

Complex Committee on Chemical and Processing
Engineering

Complex Committee on Food Science

Complex Committee on Material Science and Technology

Full members

Bartók, Mihály (Szeged,
1933)

C.M.: 1987; F.M.: 1995
organic chemistry,
heterogeneous catalysis

Beck, Mihály (Szőreg,
1929)

C.M.: 1973; F.M.: 1979
physical chemistry, reaction
kinetics, co-ordination
chemistry

Benedek, Pál (Budapest,
1921)

C.M.: 1973; F.M.: 1987
chemical engineering,
physical
chemistry

Blaskó, Gábor

(Szombathely, 1950)
C.M.: 2001; F.M.: 2007
organic chemistry,
pharmaceutical chemistry

Dékány, Imre (Szeged, 1946)

C.M.: 2001; F.M.: 2007
colloid chemistry, material science

Farkas, József (Budapest, 1933)

C.M.: 1990, F.M.: 2001
food science

Gál, Sándor (Farmos, 1933)

C.M.: 1993; F.M.: 2004
thermoanalysis, chemical technology

Görög, Sándor

(Szombathely, 1933)
C.M.: 1987; F.M.: 1995
analytical chemistry,
pharmaceutical analysis

Hargittai, István

(Budapest, 1941)
C.M.: 1987; F.M.: 1993
physical chemistry,
structural chemistry

Holló, János (Szentcsanak, 1919)

C.M.: 1967; F.M.: 1976
bioengineering

Hollósi, Miklós (Budapest, 1941)

C.M.: 1998; F.M.: 2004
organic chemistry,
spectroscopy

Inczédy, János

(Budapest, 1923)
C.M.: 1993, F.M.: 2001
analytical chemistry

Joó, Ferenc (Tótkomlós, 1949)

C.M.: 2001; F.M.: 2007
reaction kinetics,
homogeneous catalysis

Kálmán, Alajos

(Rákospalota, 1935)
C.M.: 1995, F.M.: 2001
chemical crystallography,
molecular structures

Lempert, Károly

(Budapest, 1924)
C.M.: 1970; F.M.: 1982
organic chemistry

Lipták, András (Székely, 1935)

C.M.: 1990; F.M.: 1998
chemistry of carbohydrates,
biochemistry

Markó, László (Debrecen, 1928)

C.M.: 1976; F.M.: 1987
organometallic chemistry,
homogeneous catalysis

Márta, Ferenc

(Kiskundorozsma, 1929)
C.M.: 1970; F.M.: 1976
reaction kinetics,
photochemistry

Medzihradszky, Kálmán
(Rákospalota, 1928)
C.M.: 1982; F.M.: 1990
organic chemistry

Nagy, Ferenc (Debrecen,
1927)
C.M.: 1965; F.M.: 1985
physical chemistry,
catalysis

Náray-Szabó, Gábor
(Budapest, 1943)
C.M.: 1990; F.M.: 1998
theoretical chemistry,
structural biology

Orbán, Miklós (Ászár,
1939)
C.M.: 1998; F.M.: 2004
reaction kinetics, oscillatory
and dissipative chemical
systems

Pálinkás, Gábor
(Budapest, 1941)
C.M.: 1995; F.M.: 2001
physical chemistry, solution
chemistry

Penke, Botond
(Beregszász, 1942)
C.M.: 2001; F.M.: 2007
amino acid and peptide
(bio)chemistry

Sohár, Pál (Budapest,
1936)

C.M.: 2001; F.M.: 2007
chemical structures, IR and
NMR spectroscopy

Solymosi, Frigyes
(Kistelek, 1931)
C.M.: 1982; F.M.: 1990
physical chemistry,
heterogeneous catalysis,
surface chemistry

Szántay, Csaba
(Salgótarján, 1928)
C.M.: 1970; F.M.: 1982
organic chemistry

Tétényi, Pál (Budapest,
1929)
C.M.: 1970; F.M.: 1979
physical chemistry, isotope
chemistry

Tóth, Klára (Nagykanizsa,
1939)
C.M.: 1995; F.M.: 2001
analytical chemistry,
electroanalytical chemistry

Tőke, László (Vönöck,
1933)
C.M.: 1993; F.M.: 1998
organic chemistry

Vértess, Attila (Türje,
1934)
C.M.: 1993; F.M.: 1998
nuclear chemistry

Corresponding members

Antus, Sándor (Szeged,
1944)
C.M.: 2004
organic chemistry,
chemistry of natural origin
compounds

Fülöp, Ferenc (Szank,
1952)
C.M.: 2007
chemistry of natural and
physiologically active
substances

Hargittai, Magdolna
(Pécs, 1945)
C.M.: 2004
physical chemistry,
structural chemistry

Horvai, György
(Budapest, 1949)
C.M.: 2007
analytical chemistry

Pukánszky, Béla
(Debrecen 1950)
C.M.: 2004
macromolecular chemistry,
structure of
heterogeneous polymer
systems

Zrínyi, Miklós (Jákó,
1949)
C.M.: 2007
physical chemistry,
material science

External members

Angyal, István János
(Budapest, 1914)
E.M.: 1990
organic chemistry

B. Nagy, János (Akasztó,
1941)
E.M.: 2001
physical chemistry

Bodor, Miklós
(Szatmárnémeti, 1939)
E.M.: 1995
pharmaceutical research
and development,
theoretical and practical

organic chemistry, chemical
metabolism

Csizmadia, Imre Gyula
(Budapest, 1932)
E.M.: 2004
theoretical organic
chemistry, structure of
natural compounds
(e.g. peptides)

Guttman, András (Pécs,
1954)
E.M.: 2004
capillar electrophoresis,
microfluidics, bioanalysis

Kennedy, P. József

(Budapest, 1928)

E.M.: 1993

macromolecular
chemistry

Kováts, Ervin (Budapest,
1927)

E.M.: 1993

analytical chemistry,
chromatography

Mezey, Pál (Budapest,
1943)

E.M.: 1998

mathematical
chemistry

Pauncz, Rezső (Szőreg,
1920)

E.M.: 1995

quantum chemistry

Pavláth, E. Attila

(Budapest, 1930)

E.M.: 2004

fluorochemistry,
agricultural chemistry

Pozsgay, Vince

(Boldogkőváralja, 1946)

E.M.: 1998

organic chemistry,

carbohydrate chemistry,
immunology

Pretsch, Ernő (Budapest,
1942)

E.M.: 2001

analytic chemistry,
electroanalysis, chemical
structures

Pulay, Péter (Veszprém,
1941)

E.M.: 1993

quantum chemistry

Rabó, Gyula (Budapest,
1924)

E.M.: 1993

chemical physics, inorganic
chemistry

Schügerl, Károly (Sopron,
1927)

E.M.: 1995

chemical engineering,
biotechnology, measu-
rement technology

Stang Péter (Nürnberg,
1941)

E.M.: 2007

supramolecular chemistry

Honorary members

Balaban, Alexandru T.

(Timisoara, 1931)

H.M.: 2001

organic chemistry

Bardos, Thomas J.

(Budapest, 1915)

H.M.: 1983

pharmaceutical chemistry

Caglioti, Luciano (Rome, 1933)

H.M.: 1995

organic chemistry

Che, Michel (Lyon, 1941)

H.M.: 1993

heterogeneous catalysis

Friedländer, Gerhart

(Munich, 1916)

H.M.: 1998

nuclear chemistry

Haiduc, Ionel (Kolozsvár, 1937)

H.M.: 2007

coordination and
supramolecular chemistry

Karger, Barry L. (Boston, 1939)

H.M.: 2007

instrumental analysis,
biochemical applications of
separation technology

Knözinger, Helmut

(Weilheim, 1935)

H.M.: 1995

heterogeneous catalysis,
surface chemistry

Laurent, Torvard

(Stockholm, 1930)

H.M.: 1998

medical and physiological
chemistry

Lee, Yuan-Tseh (Hsinchu, Taiwan, 1936)

H.M.: 2007

physical chemistry

Lehn, Jean-Marie

(Rosheim, 1939)

H.M.: 2001

supramolecular chemistry

Lichtenthaler, Frieder W.

(Heidelberg, 1932)

H.M.: 2004

organic chemistry,
chemistry of carbohydrates

Malissa, Hanns (Bruck an der Mur, 1920)

H.M.: 1988

analytical chemistry

Oláh, György (Budapest, 1927)

H.M.: 1990

organic chemistry

Oro Giral, Luis Antonio

(Zaragoza, 1945)

H.M.: 2007

inorganic and metal-
organic chemistry, catalysis

van der Plas, Henk C.

(Voorhout, 1929)

H.M.: 2004

organic chemistry

Polanyi, John C. (Berlin,
1929)

H.M.: 2001

physical chemistry,
dynamics of
elementary
reactions

Rebek, Julius

(Beregszász, 1944)

H.M.: 2001

organic and
supramolecular
chemistry

Simionescu, Cristofor I.

(Dumbrăveni /Suceava/,
1920)

H.M.: 1986

organic and molecular
chemistry

Somorjai, Gábor A.

(Budapest, 1935)

H.M.: 1990

physical chemistry

Thomas, John Meurig

(Swansea, 1932)

H.M.: 1998

heterogeneous catalysis,
solid-state chemistry

Wagner, Hildebert

(Laufen, 1929)

H.M.: 2007

chemistry, pharmacology

Wütrich, Kurt (Aarberg,
1938)

H.M.: 2004

structure of biologically
active molecules, NMR
spectroscopy



VIII. Section of Biological Sciences

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6323

Fax: (36-1) 411-6309

Internet: <http://www.mta.hu/index.php?id=448>

E-mail: bio@office.mta.hu

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Vice-chairman: **Bíró, Péter** F.M.

Secretary: **Szemes, Imre** C.Sc.

Scientific committees of the Section

Committee on Anthropology

Committee on Biochemistry and Molecular Biology

Committee on Biophysics

Committee on Botany

Committee on Cellular Biology and Phylogenesis

Committee on Ecology

Committee on Environment and Health

Committee on General Microbiology

Committee on Genetics

Committee on Hydrobiology

Committee on Immunology

Committee on Nature Conservation and Conservation
Biology

Committee on Neurobiology

Committee on Plant Physiology

Committee on Zoology

Full members

Ádám, György

(Nagyvárad, 1922)

C.M.: 1970; F.M.: 1979

human and animal

physiology,

psychophysiology

Alföldi, Lajos (Miskolc,
1927)

C.M.: 1982;

F.M.: 1990

microbial

genetics

Berczik, Árpád (Budapest, 1929)

C.M.: 1982; F.M.: 1990
hydrobiology, ecology,
zoology

Bíró, Péter (Újfehértó, 1943)

C.M.: 2001; F.M.: 2007
ichthyology, ecology

Borhidi, Attila (Budapest, 1932)

C.M.: 1993, F.M.: 2001
botany, ecology, nature
conservation

Csányi, Vilmos (Budapest, 1935)

C.M.: 1995, F.M.: 2001
biology, ethology

Damjanovich, Sándor
(Mátészalka, 1936)

C.M.: 1982; F.M.: 1990
cell biology,
biophysics,
immunology

Dénes, Géza (Orosháza, 1925)

C.M.: 1973; F.M.: 1985
biochemistry, molecular
biology

Falus, András (Budapest, 1947)

C.M.: 2001; F.M.: 2007
molecular genetics,
immunology

Fekete, Gábor (Budapest, 1930)

C.M.: 1987; F.M.: 1995
synbiology (ecology,
botany, vegetation
research)

Fésüs, László

(Hernádnémeti, 1947)

C.M.: 1998; F.M.: 2004
cellular and molecular
biology

Freund, Tamás (Zirc, 1959)

C.M.: 1998; F.M.: 2004
neurobiology

Friedrich, Péter

(Budapest, 1936)

C.M.: 1993; F.M.: 1998
biochemistry, neurobiology

Gergely, János (Karcag, 1925)

C.M.: 1982; F.M.: 1990
immunology

Gráf, László

(Zalaegerszeg, 1942)

C.M.: 1993, F.M.: 2001
biochemistry, molecular
biology

Hámori, József

(Fegyvernek, 1932)

C.M.: 1990; F.M.: 1998
neurobiology**Jermy, Tibor** (Lőcse,
1917)C.M.: 1976; F.M.: 1985
experimental insect ecology
and ethology, agricultural
entomology**Kondorosi, Ádám**

(Budapest, 1946)

C.M.: 1990; F.M.: 1998
molecular biology**Lénárd, László** (Pécs,
1944)C.M.: 2001; F.M.: 2007
neurobiology,
neurophysiology, behaviour
science**Mahunka, Sándor**

(Budapest, 1937)

C.M.: 1998; F.M.: 2004
taxonomy of Acari, fauna
genesis**Papp, László**

(Aranyosgadány, 1946)

C.M.: 1990; F.M.: 1998
zootaxonomy,
ecology**Patthy, László** (Sopron,
1943)C.M.: 1995; F.M.: 2001
molecular biology**Pócs, Tamás** (Budapest,
1933)C.M.: 1995; F.M.: 2001
bryology, tropical botany,
plant geography**Szabó, István Mihály**

(Baja, 1925)

C.M.: 1990; F.M.: 2001
microbiology, ecology,
environmental science**Székely, György**

(Püspökladány, 1926)

C.M.: 1985; F.M.: 1993
neurobiology**Teplán, István**

(Magyarkeszi, 1932)

C.M.: 1987; F.M.: 1995
chemistry and biology of
biologically active
materials**Tigyi, József** (Kaposvár,
1926)C.M.: 1967; F.M.: 1976
biophysics (muscle
and nervous systems,
radiation
biology)**Venetianer, Pál**

(Budapest, 1935)

C.M.: 1987; F.M.: 1995
molecular biology**Vida, Gábor** (Budapest,
1935)C.M.: 1985; F.M.: 1993
genetics, evolution

Závodszyk, Péter
(Debrecen, 1939)
C.M.: 2001;

F.M.: 2007
structural biochemistry,
enzymology

Corresponding members

Erdei, Anna (Budapest,
1951)
C.M.: 2004
immunobiology

gene mapping, genetic
recombinations

Gergely, Pál (Debrecen,
1947)
C.M.: 2004
biochemistry, molecular
biology

Sarkadi, Balázs
(Budapest, 1948)
C.M.: 2004
biochemistry, membrane
biology

Nagy, László (Debrecen,
1966)
C.M.: 2007
molecular biology,
genomics

Somogyi, Péter
(Szentendre, 1950)
C.M.: 2004
neurobiology

Nusser, Zoltán (Bonyhád,
1968)
C.M.: 2007
biology, neurobiology

Szathmáry, Eörs
(Budapest, 1959)
C.M.: 2007
theoretical biology of
evolution

Orosz, László (Kotlina-
Sepse, 1943)
C.M.: 2001

Vigh, László
(Magyarszerdahely, 1950)
C.M.: 2004
membrane biology, biology
of stress

External members

Ács, György
(Dunaszerdahely, 1923)
E.M.: 1990

biochemistry, molecular
biology

Aszalós, Adorján

(Szeged, 1929)

E.M.: 1995

cancer research, cell
biology, biophysics

Bodis-Wollner, Iván

(Szeged, 1937)

E.M.: 2001

neurosciences

Buzsáki, György

(Kaposvár, 1949)

E.M.: 2001

neurophysiology

Glant, Tibor (Debrecen,
1944)

E.M.: 2007

immunology, molecular
biology

Gulyás, Balázs (Budapest,
1956)

E.M.: 1995

neurobiology

Kárpáti, George

(Debrecen, 1934)

E.M.: 2004

neurology

Klein, Éva (Budapest,
1925)

E.M.: 1993

tumour biology,
immunology,
virology

Kozma, C. Sára (Liege,
Belgium, 1952)

E.M.: 2007

molecular cancer research

Krocskó, Gyula (Ungvár,
1934)

E.M.: 2004

zoology, ecology, animal
protection

Lányi, K. János

(Budapest, 1937)

E.M.: 1993

biochemistry, biophysics

Lengyel, Péter (Budapest,
1929)

E.M.: 1993

biochemistry, molecular
biology

Márkus, Gábor (Budapest,
1922)

E.M.: 2004

biochemistry

Müller, Miklós (Budapest,
1930)

E.M.: 2001

parasitology, cytology,
phylogenesis

Nagy-Tóth, Ferenc

(Monó, 1929)

E.M.: 1998

physiology and taxonomy
of microalgae

Orlóci, László
(Esztergomtábor, 1932)
E.M.: 1990
ecology

Oroszlán, István
(Nagytilaj, 1927)
E.M.: 1995
biochemistry, molecular
virology

Péter, Mihály H.
(Sóvárad, 1929)
E.M.: 1998
microbiology

Petrusz, Péter (Győr,
1939)
E.M.: 2004
neuroendocrinology,
reproduction
biology

Pongor, Sándor
(Budapest, 1949)
E.M.: 2007
bioinformatics

Szikura, József (Munkács,
1932)
E.M.: 2001

botanics, plant
taxonomy and geography

Takács, László Kristóf
(Budapest, 1955)
E.M.: 2007
histology, immunology,
genom-research,
biotechnology

Tigyi, Gábor (Pécs, 1958)
E.M.: 2004
biochemistry, molecular
biology, physiology

Ullmann, Ágnes (Szatmár,
1927)
E.M.: 1998
molecular biology

Uray, Zoltán (Kolozsvár,
1931)
E.M.: 1998
radiation biology

Záborszky, László
(Budapest, 1944)
E.M.: 2007
neuroanatomy,
neurobiology

Honorary members

Bartfai, Tamas (Budapest,
1948)
H.M.: 2001
biochemistry,
neuropharmacology

Changeux, Jean Pierre
(Domont, 1949)
H.M.: 2004
neurobiology

Cocking, Edward Ch. D.

(London, 1931)

H.M.: 1995

botany

Dallos, Peter (Budapest, 1934)

H.M.: 2004

audology, physiology of
sensory organs

Demain, Arnold L.

(Brooklyn, NY, 1927)

H.M.: 2001

microbial
biotechnology

Eigen, Manfred (Bochum, 1929)

H.M.: 1990

biophysics, chemistry

Gergely, John (Budapest, 1919)

H.M.: 2001

biology, biomedical
research

Hacker, Jörg H.

(Grevesmühlen,
Mecklenburg, 1952)

H.M.: 2007

molecular
microbiology

Halver, John Emil

(Woodinville, 1922)

H.M.: 1998

food biochemistry

Hopwood, David Alan

(Kinver, 1933)

H.M.: 1990

genetics, microbiology

Jacob, François (Nancy, 1920)

H.M.: 1986

physiology

Jovin, Thomas M.

(Buenos Aires, 1939)

H.M.: 2007

biophysics, molecular
biology

Kostiuk, Platon G. (Kiev, 1924)

H.M.: 1990

neurophysiology

Masao, Ito (Tokyo, 1928)

H.M.: 2001

neurology

Masice-Taylor, Nicholas

(Llandrindod Wels, 1949)

H.M.: 2004

biological anthropology

Miledi, Ricardo (Mexico, D.F., 1927)

H.M.: 1988

cell and molecular biology

Morgun, Vladimir V.

(Novoselitsa, 1938)

H.M.: 2001

plant genetics

Murata, Norio (Tokyo, 1940)

H.M.: 1998
plant physiology

Nathenson, Stanley G.
(Denver, Colorado, 1933)

H.M.: 2004
immunology

**Nikolaichuk, Vitalii
Ivanovich** (Veselovka, 1951)

H.M.: 2007
genetics, environmental studies

Norton, Roy A.
(Rochester, NY, 1947)

H.M.: 2001
morphology, systematics

Nurse, Paul (Norwich, 1949)

H.M.: 2004
microbiology, cell genetics

Oliver, G. Stephen
(Stratford, 1949)

H.M.: 1998
molecular genetics of micro-organisms

Oomura, Yutaka (Seoul, 1925)

H.M.: 2004
neurobiology

Pecht, Israel (Vienna, 1937)

H.M.: 2007
immunology, biophysics, immunochemistry

Raven, Peter H.
(Sacramento, 1930)

H.M.: 1998
botany, genetics

Riman, Jozef (Horni Sucha, 1925)

H.M.: 1986
virus biochemistry

Roberts, Derek Frank
(London, 1925)

H.M.: 1993
human genetics

Roizman, Bernard
(Kishinev, 1929)

H.M.: 1995
microbiology

Sakmann, Bert (Stuttgart, 1942)

H.M.: 2007
cell biology, cell physiology

Schally, Andrew Victor
(Vilnius, 1926)

H.M.: 1986
endocrine oncology

Schiller, Peter H. (Berlin, 1931)

H.M.: 2007
neurobiology

Smith, A. David

(Kunming, 1938)

H.M.: 1998

Alzheimer's
disease

Soran, Viorel (Moiseni-

Certeze, 1928)

H.M.: 1995

cell biology

Spener, Friedrich (Graz,

1939)

H.M.: 2004

biochemistry

Suzuki, Koichi (Tokyo,

1939)

H.M.: 2001

microbiology

Szent-Györgyi, Andrew

G. (Budapest, 1924)

H.M.: 1998

biology

Vágó, Szilárd (Debrecen,

1921)

H.M.: 1990

comparative cytopathology

Vánky, Kálmán

(Székelyudvarhely, 1930)

H.M.: 2001

mycology, microbiology

Waldmann, Thomas A.

(New York, 1930)

H.M.: 1998

cell biology, immunology,

molecular biology



IX. Section of Economics and Law

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6343

Fax: (36-1) 411-6122

Internet: <http://www.mta.hu/index.php?id=449>

E-mail: kisteleki@office.mta.hu

Chairman: **Török, Ádám** F.M.

Vice-chairmen: **Bayer, József** C.M.

Szabó, Miklós F.M.

Secretary: **Kisteleki, Károly**

Scientific committees of the Section

Committee on Demography

Committee on Economics

Committee on Finance

Committee on Future Research

Committee on Industrial Economics

Committee on International Studies

Committee on Labour Research

Committee on Legal and Political Sciences

Committee on Logistics

Committee on Management Science

Committee on Marketing Science

Committee on Military Science

Committee on Police Supervision

Committee on Political Science

Committee on Public Administration

Committee on Regional Studies

Committee on Sociology

Committee on Statistics

Committee on World Economics and Development Studies

Full members

Enyedi, György

(Budapest, 1930)

C.M.: 1982;

F.M.: 1990

social geography, regional studies

Erdős, Tibor (Budapest, 1928)

C.M.: 1987; F.M.: 1993
economics

Fergéné Kecskeméti, Zsuzsa (Budapest, 1931)

C.M.: 1998; F.M.: 2004
sociology, social policy

Harmathy, Attila (Budapest, 1937)

C.M.: 1993; F.M.: 1998
legal science, civil law

Herczegh, Géza Gábor (Nagykapos, 1928)

C.M.: 1985; F.M.: 1990
international law

Huszár, Tibor

(Veresegyháza, 1930)
C.M.: 1983; F.M.: 1987
historical sociology

Kádár, Béla (Pécs, 1934)

C.M.: 2001; F.M.: 2007
world economy, economic development

Király, Tibor (Málca, 1920)

C.M.: 1979; F.M.: 1987
criminology

Kornai, János (Budapest, 1928)

C.M.: 1976; F.M.: 1982
economics

Kulcsár, Kálmán

(Erdőtelek, 1928)

C.M.: 1973; F.M.: 1982
sociology of law, political sociology

Lőrincz, Lajos (Debrecen, 1935)

C.M.: 1990; F.M.: 1998
public law, public administration science

Mádl, Ferenc (Bánd, 1931)

C.M.: 1987; F.M.: 1993
trade law, civil law, international civil law

Mátyás, Antal (Budapest, 1923)

C.M.: 1990; F.M.: 1995
history of economic theories

Palánkai, Tibor

(Jakabszállás, 1938)

C.M.: 1995; F.M.: 2004
economics

Sajó, András (Budapest, 1949)

C.M.: 1995, F.M.: 2001
environmental law, constitutional law, sociology of law

Simai, Mihály (Budapest, 1930)

C.M.: 1976; F.M.: 1985
world economics

Szabó, András (Radnót, 1928)

C.M.: 1998; F.M.: 2004
criminology,
criminal law

Szabó, Miklós

(Tiszadorogma, 1942)

C.M.: 2001; F.M.: 2007
martial history

Szelényi, Iván (Budapest, 1938)

C.M.: 1990; F.M.: 1995
sociology

Szentes, Tamás

(Dunakeszi, 1933)

C.M.: 1993; F.M.: 1998
economics

Török, Ádám (Budapest, 1952)

C.M.: 2001; F.M.: 2007
corporate and international
economy,
competition and
technology policy

Vékás, Lajos (Kolozsvár, 1939)

C.M.: 1990; F.M.: 1995
international and
Hungarian
civil law

Zalai, Ernő (Budapest, 1943)

C.M.: 1998; F.M.: 2004
economics,
mathematical economics

Corresponding members

Bayer, József

(Piliszentiván, 1946)

C.M.: 2004
political science

Bélyácz, Iván (Battonya, 1949)

C.M.: 2004
financing and effectiveness
of investments

Csaba, László (Budapest, 1954)

C.M.: 2007
international economic
relations

Erdő, Péter (Budapest, 1952)

C.M.: 2007
canon law, medieval history
of the Church

Hamza, Gábor (Budapest, 1949)

C.M.: 2004
Roman law, history of civil
law

Korinek, László (Ács, 1946)

C.M.: 2007
criminal law

Lamm, Vanda (Budapest,
1945)
C.M.: 2007
international law

Sólyom, László (Pécs,
1942)
C.M.: 2001
civil law, constitutional law

External members

Demény, Pál Gy.
(Nyíregyháza, 1932)
E.M.: 2001
population
studies

Fellegi, Iván (Szeged,
1935)
E.M.: 2004
social and economic
statistics

Karády, Viktor (Budapest,
1936)
E.M.: 1993
historical sociology

Kende, Péter (Budapest,
1927)
E.M.: 1993
politology

Király, Béla (Kaposvár,
1912)
E.M.: 2004

martial science,
contemporary history

Lámfalussy, Sándor
(Kapuvár, 1929)
E.M.: 1998
monetary policy, economic
policy, economic growth,
international money market

Rezsőházy, Rudolf
(Szeged, 1924)
E.M.: 2004
social science,
contemporary history

Szabó, Dénes (Budapest,
1929)
E.M.: 1993
criminology

Vaskovics, A. László
(Csallóköznádasd, 1936)
E.M.: 1998
sociology

Honorary members

Aganbegian, Abel G.
(Tbilisi, 1932)
H.M.: 1988

theoretical and applied
economics

Bailly, Antoine S. (Bern,
1944)
H.M.: 2004
regional studies

Basedow, Jürgen
(Hamburg, 1949)
H.M.: 2007
civil law, comparative law,
international civil law

Beale, Hugh (Birmingham,
1948)
H.M.: 2001
civil law

Broms, Bengt Henry G.A.
(1929)
H.M.: 1989
international law,
constitutional law

Eser, Albin (Leidersbach,
1935)
H.M.: 1993
comparative criminal law,
medical law

Kudriavtsev, Vladimir
(Moscow, 1923)
H.M.: 1979
criminal law

Lesage, Michel (Aire-sur-
la-dys, 1933)
H.M.: 1990
constitutional law,
public administrative
law

PolanyiLewitt, Kari
(Vienna, 1923)
H.M.: 2004
interdisciplinary social
studies

Streissler, Erich W.
(Vienna, 1933)
H.M.: 1988
history of economy

Weidenfeld, Werner
(Cochem, 1947)
H.M.: 2007
political science



X. Section of Earth Sciences

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6202

Fax: (36-1) 411-6311

Internet: <http://www.mta.hu/index.php?id=450>

E-mail: nagyb@office.

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Vice-chairman: **Vörös, Attila** C.M.

Secretary: **Nagy, Béla** D.Sc.

Scientific committees of the Section

Committee on Geochemistry, Mineralogy and Petrology

Committee on Geodesy

Committee on Geography I (Social Geography)

Committee on Geography II (Physical Geography)

Committee on Geology

Committee on Geonomy

Committee on Geophysics

Committee on Hydrology

Committee on Meteorology

Committee on Mining

Committee on Mining Ergonomics and Health

Committee on Palaeontology

Complex Committee on Geosciences

Full members

Ádám, Antal (Szekszárd,
1929)

C.M.: 1990; F.M.: 1993
geophysics

Ádám, József (Kocsér,
1950)

C.M.: 1998; F.M.: 2004
geodesy

Árkai, Péter (Budapest,
1944)

C.M.: 1998; F.M.: 2004
petrology, geochemistry,
mineralogy

Bárdossy, György

(Szombathely, 1925)
C.M.: 1993; F.M.: 1998

geology, geochemistry,
geomathematics

Biró, Péter (Budapest,
1930)
C.M.: 1985; F.M.: 1990
physical geodesy

Czelnai, Rudolf (Miskolc,
1932)
C.M.: 1976; F.M.: 1987
meteorology

Detrekői, Ákos (Budapest,
1939)
C.M.: 1990; F.M.: 1995
geodesy, geoinformatics

Géczy, Barnabás (Doboz,
1925)
C.M.: 1993; F.M.: 1998
palaeontology

Hetényi, Magdolna
(Szentlőrincváta, 1944)
C.M.: 2001; F.M.: 2007
geochemistry of fossils,
organic geochemistry

Kapolyi, László (Újpest,
1932)
C.M.: 1979; F.M.: 1985
raw material and energy
management, systems
theory of economic
policy

Kovács, Ferenc (Győr,
1938)

C.M.: 1987; F.M.: 1993
mine-exploitation theory

Major, György
(Beregszász, 1941)
C.M.: 1993; F.M.: 1998
meteorological
radiation theory,
satellite
meteorology

Marosi, Sándor
(Soltvadkert, 1929)
C.M.: 1995; F.M.: 2001
physical geography,
geomorphology, regional
geography

Márton, Péter (Budapest,
1934)
C.M.: 2001; F.M.: 2007
earth magnetism,
geophysics

Meskó, Attila (Budapest,
1940)
C.M.: 1990; F.M.: 1995
environmental physics,
geophysics

Mészáros, Ernő
(Budapest, 1935)
C.M.: 1985; F.M.: 1990
air chemistry

Mészáros, Rezső (Makó,
1942)
C.M.: 2001; F.M.: 2007
social geography

Nemecz, Ernő (Losonc,
1920)

C.M.: 1973; F.M.: 1980

mineralogy,
geochemistry

Pantó, György (Budapest,
1936)

C.M.: 1990; F.M.: 1995

geochemistry, mineralogy,
petrology

Pápay, József (Fűr, 1939)

C.M.: 1998; F.M.: 2004

exploitation of oil and
natural gas reserves,
underground gas storage

Verő, József (Sopron,
1933)

C.M.: 1995, F.M.: 2001

geophysics, solar-
terrestrial physics

Corresponding members

Bozó, László (Budapest,
1962)

C.M.: 2007

meteorology

Lakatos, István

(Diósgyőr, 1943)

C.M.: 2004

mine chemistry

Klinghammer, István

(Budapest, 1941)

C.M.: 2004

thematic cartography

Vörös, Attila (Budapest,
1944)

C.M.: 2004

palaeontology

External members

Bognár, András (Zdenica,
1937)

E.M.: 1998

general geomorphology,
geoecology, quaternary
research

Halasi-Kun, György

(Zagreb, 1916)

E.M.: 1993

environment
protection, water
management

Hajnal, Zoltán (Cegléd,
1933)

E.M.: 2001

geophysics, seismology,
palaeomagnetic studies

Huszár, Rudolf (Martonos,
1941)

E.M.: 1998

atmospheric aerosol
research

Kónya, Kálmán
(Cleveland, 1943)
E.M.: 1995
blasting technology
in mining and industry

Lázár, Árpád (Gyula,
1935)
E.M.: 1998
raw material and energy
policy

Oplatka, Gábor
(Budapest, 1935)
E.M.: 2001
transport studies

Rybach, László (Sopron,
1935)
E.M.: 1990
earth science, geophysics

Salamon, Miklós
(Balkány, 1933)
E.M.: 1998
rock mechanics, mining
technology,
mine safety

Váli, Gábor (Budapest,
1936)
E.M.: 1993
atmospheric research

Honorary members

Burkhard, Frenzel
(Duisburg, 1928)
H.M.: 1990
geoecology,
palaeoclimatology

Dercourt, Jean-Michel A.
(Boulogne-Billancourt,
1935)
H.M.: 1995
geology

**Dimitrakopoulos,
Roussos** (Athen, 1958)
H.M.: 2007
mineral research, mine
geology, mine planning,
geomathematics

Durand-Delga, Michel
(Gaillac, 1923)
H.M.: 1998
structural geology,
stratology, ancient geology
and history of science

Fettweis, Günter B. L.
(Düsseldorf, 1924)
H.M.: 1990
mining

Hjelt, Sven-Erik Oskar
(Helsinki, 1939)
H.M.: 1998
electromagnetic
induction in the earth,
geophysical inversion

Hoppe, Gunnar (Skallvik, 1924)

H.M.: 1988

physical geography

Jankowski, Jerzy Adam (Włocławek, 1933)

H.M.: 2007

geophysics, geomagnetism

Jünemann, Reinhardt

(Thaldorf, 1936)

H.M.: 1995

rheology, mining

informatics

Kautzleben, Heinz

(Kelbra, 1934)

H.M.: 1986

geophysics, geodynamics

Lühr, Hermann

(Walmsburg, 1946)

H.M.: 2004

geophysics, space research

Maksimović, Zoran

(Belgrade, 1923)

H.M.: 2001

geochemistry, mineralogy

Mensching, Horst

(Möllbergen-Porta, 1921)

H.M.: 1986

geography, geoecology

Moritz, Helmut (Graz, 1933)

H.M.: 1983

geodesy

Müller, Iván (Budapest, 1930)

H.M.: 1988

geodesy

Paepe, Roland (Uitkerke, 1934)

H.M.: 1990

applied quaternary geology, geomorphology

Rummel, Reiner

(Landshut, 1945)

H.M.: 2001

upper geodesic studies

Torge, Wolfgang

(Laubusch, 1931)

H.M.: 1990

mathematical and physical geodesy, gravimetry

Wagner, Horst (Salzburg, 1939)

H.M.: 2004

mine rock mechanics, safety and stability of underground holes

Wilke, Friedrich Ludwig

(Essen, 1931)

H.M.: 1998

mining design and expert systems

Zemann, Josef (Vienna, 1923)

H.M.: 1982

mineralogy

XI. Section of Physical Sciences

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6313

Fax: (36-1) 411-6122

Internet: www.kfki.hu/fizoszt/indexhu

E-mail: nemenyim@office.mta.hu

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Vice-chairman: **Faigel, Gyula** F.M.

Secretary: **Neményi, Márta**

Scientific committees of the Section

Committee on Atomic and Molecular Physics

Committee on Particle Physics

Committee on Nuclear Physics

Committee on Laser Physics and Spectroscopy

Committee on Solid-state Physics

Committee on Statistical Physics

Committee on Astronomy and Space Physics

Committee on Radiation Protection and Environmental
Physics

Full members

Berényi, Dénes

(Debrecen, 1928)

C.M.: 1973; F.M.: 1985

atomic physics

Bor, Zsolt (Orosháza,
1949)

C.M.: 1990; F.M.: 1995

laser physics, optics,

experimental physics

Csikai, Gyula

(Tiszaladány, 1930)

C.M.: 1973; F.M.: 1985

nuclear physics, neutron
physics, nuclear methods

Faigel, Gyula

(Ormosbánya, 1954)

C.M.: 2001; F.M.: 2007

experimental solid state
physics

Horváth, Zalán

(Debrecen, 1943)

C.M.: 1998; F.M.: 2004

theoretical particle
physics

Jánossy, András

(Manchester, 1944)

C.M.: 1993; F.M.: 1998

solid-state physics

Janszky, József (Csorna, 1943)

C.M.: 2001; F.M.: 2007

quantum optics, quantum informatics, crystal physics

Kertész, János (Budapest, 1950)

C.M.: 2001; F.M.: 2007

statistical physics, computers

Keszthelyi, Lajos

(Kaposvár, 1927)

C.M.: 1982; F.M.: 1987

biophysics

Kroó, Norbert (Budapest, 1934)

C.M.: 1985; F.M.: 1990

solid-state physics, optics, neutron physics

Lovas, István

(Gyöngyöshalász, 1931)

C.M.: 1979; F.M.: 1987

nuclear physics

Mezei, Ferenc (Budapest, 1942)

C.M.: 1982; F.M.: 1987

physics

Mihály, György

(Kaposvár, 1951)

C.M.: 1995; F.M.: 2001

solid-state physics

Nagy, Károly (Ete, 1926)

C.M.: 1965; F.M.: 1982

theoretical physics

Németh, Judit (Budapest, 1932)

C.M.: 1998; F.M.: 2004

nuclear physics, astrophysics

Ormos, Pál (Szeged, 1951)

C.M.: 1998; F.M.: 2004

biological physics

Pál, Lénárd (Gyoma, 1925)

C.M.: 1961; F.M.: 1973

solid-state physics, physical applications of probability theory, reactor physics

Pálinkás, József (Galvács, 1952)

C.M.: 1995; F.M.: 2004

physics, experimental atomic and molecular physics

Patkós, András

(Budapest, 1947)

C.M.: 2001; F.M.: 2007

theoretical particle physics, statistical physics, cosmology

Sólyom, Jenő (Kolozsvár, 1940)

C.M.: 1987; F.M.: 1993
theoretical
solid-state
physics

Szépfalusy, Péter
(Szeged, 1931)
C.M.: 1982; F.M.: 1987
theoretical physics,
statistical
physics

Vicsek, Tamás (Budapest,
1948)
C.M.: 1995, F.M.: 2001
statistical physics,
biological physics

Zawadowski, Alfréd
(Budapest, 1936)
C.M.: 1985; F.M.: 1990
theoretical solid-state
physics

Corresponding members

Lovas, Rezső György
(Debrecen, 1946)
C.M.: 2004
theoretical nuclear physics

Rácz, Zoltán
(Dunaharaszti, 1946)
C.M.: 2004
statistical physics

Szabó, Gábor
(Nagykanizsa, 1954)
C.M.: 2004
optics, quantum
electronics, spectroscopy

Szalay, A. Sándor
(Debrecen, 1949)
C.M.: 1990
astrophysics,
cosmology

Trócsányi, Zoltán
(Miskolc, 1961)
C.M.: 2007
particle physics

Vincze, Imre (Budapest,
1944)
C.M.: 2004
Solid-state physics

External members

Barabási, Albert-László
(Csíkszereda, 1967)
E.M.: 2004
statistical physics

Csernai, László Pál
(Újpest, 1949)
E.M.: 2004
nuclear physics

Domokos, Gábor

(Budapest, 1933)

E.M.: 1995

theoretical physics

Fenyves, Ervin (Budapest, 1924)

E.M.: 1998

cosmic radiation, high-energy particle physics

Forró, László (Péterrève, 1955)

E.M.: 2007

solid state physics

Gábos, Zoltán

(Bánffyhungad, 1924)

E.M.: 1995

theoretical physics

Grenács, László

(Nógrádsáp, 1933)

E.M.: 2007

nuclear physics, atomic physics

Grüner, György

(Mosonmagyaróvár, 1943)

E.M.: 1990

experimental solid-state physics

Györfy, Balázs (Eger, 1938)

E.M.: 1995

theoretical solid-state physics

Gyulassy, Miklós

(Szolnok, 1949)

E.M.: 1998

theoretical high-energy nuclear physics

Hajdu, János (Budapest, 1934)

E.M.: 1934

Solid-state physics, statistical physics

Hasenfratz, Péter

(Budapest, 1946)

E.M.: 2001

theoretical particle physics

Jenkovszky, László

(Ungvár, 1942)

E.M.: 1998

particle and nuclear physics

Krausz, Ferenc (Mór, 1962)

E.M.: 2007

laser physics, high intensity light-matter interaction

Kuti, Gyula (Budapest, 1940)

E.M.: 1990

theoretical particle physics

Ladik, János (Budapest, 1929)

E.M.: 1993

quantum chemistry, theoretical biophysics

Nagy, F. András

(Budapest, 1932)

E.M.: 1993

space physics

Néda, Zoltán (Kolozsvár,
1964)

E.M.: 2007

statistical physics

Polónyi, János (Budapest,
1953)

E.M.: 2001

quantum field theory

Spénik, Ottó (Munkács,
1938)

E.M.: 1998

atomic physics

Toró, Tibor (Énlaka, 1931)

E.M.: 1993

theoretical physics

Honorary members

Abrikosov, Aleksei

Alekseievich (Moscow,
1928)

H.M.: 2007

theory of condensed matter

Kagan, Jurin M. (Moscow,
1928)

H.M.: 1998

theoretical solid-state
physics

Konuma, Mishiji (Tokyo,
1930)

H.M.: 1998

theoretical physics

Mössbauer, Rudolf L.

(Munich, 1929)

H.M.: 1986

physics, neutrino physics

Nilsson, Jan S. (Göteborg,
1932)

H.M.: 2001

particle physics

Nozieres, Philippe (Paris,
1932)

H.M.: 1990

theoretical solid-state
physics

Pines, David (Kansas City,
Missouri, 1924)

H.M.: 1995

physics

Pitaievskii, Lev P.

(Saratov, 1933)

H.M.: 1998

statistical physics

Rubbia, Carlo (Gorizia,
1934)

H.M.: 1993

experimental particle
physics

Schopper, Herwig Franz

(Landskron, 1924)

H.M.: 1995

experimental particle
physics

H.M.: 1987

plasma physics

Ting, Samuel C. C. (Ann

Arbor, Michigan, 1936)

H.M.: 1993

physics

Saddeiev, Roald Z.

(Kazan, 1932)

4. REPRESENTATIVES OF DOCTORS OF THE HUNGARIAN ACADEMY OF SCIENCES

Section of Linguistics and Literary Scholarship



Section of Philosophy and History



4. REPRESENTATIVES OF DOCTORS OF THE HUNGARIAN ACADEMY OF SCIENCES

Section of Linguistics and Literary Scholarship

Angyalosi, Gergely
Bodó, Sándor
Debreczeni, Attila
Fodor, Pál
Jankovics, József
Juhász, Dezső
Kaán, Miklósné (Keszler,
Borbála)
Kemény, Gábor

Kenesei, István
Klaudy, Kinga
Komlós, Katalin
Müller, Péter
Selmeczi Kovács, Attila
Szajbély, Mihály
Tar, Ibolya
Varga, Pál

Section of Philosophy and History

Alpárné Szála, Erzsébet
Bacsó, Béla
Bagdy, Emőke
Benedek, András
Bolberitz, Pál
Boros, Gábor
Dezső, Tamás
Gabler, Dénes

Gergely, András
Izsák, Lajos
Kozma, Tamás
Lővei, Pál
Ludassy, Mária
Oláh, Attila
Pritz, Pál
Pukánszky, Béla

Rainer, M. János
Szarka, László

Zsoldos, Attila

Section of Mathematics

Benczúr, András
Böröczky, Károly Jr.
Csendes, Tibor
Fülöp, Zoltán
Garay, Barnabás
Győri, Ervin
Horváth, Zoltán

Komjáth, Péter
Krisztin, Tibor
Páles, Zsolt
Petz, Dénes
Recski, András
Szeidl, László
Szendrei, Mária B.

Section of Agricultural Sciences

Barna, Balázs
Beke, János
Birkás, Márta
Blaskó, Lajos
Csapó, János
Csóka, György
Fenyvesi, László
Fodor, László
Hrotkó, Károly
Mézes, Miklós
Nábrádi, András

Nagy, Géza
Pauk, János
Pepó, Péter
Rajkai, Kálmán
Sótonyi, Péter
Szabó, Gábor
Székely, Csaba
Tóth Magdolna
Szócs, Gábor
Winkler, András

Section of Medical Sciences

Acsády, György
Ádány, Róza
Balla, György
Bodó, Miklós
Boros, Mihály
Csanády, Miklós
Dési, Illés
Ésik, Olga

Falkay, György
Horváth, Örs Péter
Hunyady, László
Karádi, István
Kerpel-Fronius, Sándor
Kiss, János
Komoly, Sámuel
Magyar, Pál

Mózsa, Szabolcs Tamás
Nyáry, István
Palkó, András
Préda, István
Romics, Imre

Rosivall, László
Szendrői, Miklós
Udvardy, Miklós
Varró, András

Section of Engineering Sciences

Balázs, György László
Bársony, István
Czigány, Tibor
Dibuz, Sarolta
Halász, Gábor
Iványi, Miklós
Józsa, János
Koppány, Attila
Koren, Csaba

Kulcsár, Béla
Monostori, László
Penninger, Antal
Réti, Tamás
Sallai, Gyula
Szirányi, Tamás
Tisza, Miklós
Vajda, István
Verő, Balázs

Section of Chemistry

Bartha, László
Belina, Károly
Gelencsér, Éva
Halász, Anna
Hannus, István
Homonnay, Zoltán
Horváth, Géza
Hudecz, Ferenc
Huszthy, Péter
Idei, Miklós

Keglevich, György
Keszei, Ernő
Klebovich, Imre
Lendvay, György
Marosi, György
Nyulászi, László
Perczel, András
Pokol, György
Takácsné Novák, Krisztina
Turányi, Tamás

Section of Biological Sciences

Antal, Miklós
Bakonyi, Gábor
Báldi, András
Buday, László
Czirják, László

Csontos, Péter
Dombrádi, Viktor Béla
Erdei, László
Erdélyi, Miklós
Halasy, Katalin

Márialigeti, Károly
Mátyus, László
Oertel, Nándor
Sass, Miklós

Susa, Éva
Vértessy, Beáta
(Grolmuszné)
Zimányi, László

Section of Economics and Law

Ács, Tibor
Balaton, Károly
Balázs, István
Bauer, Tamás
Bihari, Mihály
Blahó, András
Dinya, László
Hrubos, Ildikó
Katona, Tamás
Kerekes, Sándor
Király, Júlia

Klinger, András
Lábady, Tamás
Martonyi, János
Mezey, Barna
Nemes Nagy, József
Nováky, Erzsébet
Ruszoly, József
Somlai, Péter
Stipta, István
Szenes, Zoltán
Várhegyi, Éva

Section of Earth Sciences

Bányai, László
Bartholy, Judit
Bóhm, József
Brezsnyánszky, Károly
Földessy, János
Gábris, Gyula
Gyulai, Ákos

Hably, Lilla
Haszpra, László
Kocsis, Károly
Kovács, Zoltán
Mindszenty, Andrea
Pósfai, Mihály
Tihanyi, László

Section of Physical Sciences

Balásházy, Imre
Buka, Ágnes
Domokos, Péter
Hebling, János
Horváth, Dezső
Kemény, Tamás
Krasznahorkay, Attila

Kriza, György
Lendvai, János
Oláh, Katalin Ilona
Palla, László
Sasvári, László
Szőkefalvi-Nagy, Zoltán
Wolf, György



5. THE ACADEMY'S NETWORK OF RESEARCH INSTITUTES

In order to perform its tasks as defined by Act XL of 1994, the Academy maintains research institutes (centres, groups, laboratories) engaged in basic and/or applied research, and in some cases in experimental research and development as well. It also supports special research groups affiliated with higher educational institutions (mainly universities). The number of research institutes is 48, and that of the university-affiliated research groups is 139.

Institutes for natural sciences

Agricultural Research Institute

Address: H-2462 Martonvásár, Brunszvik u. 2

Postal address: H-2462 Martonvásár,

P.O. Box 19

Telephone: (36) 22-569-500

Fax: (36) 22-460 -213

E-mail: bedoz@mail.mgki.hu

Homepage: <http://www.mgki.hu>

Director: **Bedő, Zoltán** C.M.

The profile of the Agricultural Research Institute of the Hungarian Academy of Sciences covers an integrated spectrum of complex research ranging from basic and methodological problems to applied research, including practical applications. The fundamental goal is to develop

new generic plant genotypes to satisfy the needs of the future, based on the internationally acknowledged plant gene pool accumulated over the last half a century in Martonvásár and using up-to-date genetic, physiological, cell and reproduction biological, functional genomic, biotechnological, plant breeding and crop production methods. A new scientific department was set up in 2005 to support, expand and intensify the genomic research already underway at the institute. It is responsible for carrying out genomic research required for the improvement of plant breeding methods, for providing the genomic background for molecular breeding, and for the development of new genomic products. Investigations carried out at the institute also cover production technologies and crop environments, the maintenance of the agroecological equilibrium, the preservation and improvement of genetic variability, the production of raw materials for healthy nutrition, durable plant stress resistance, and an improvement in seed safety, all aimed at satisfying the criteria of sustainable development. This state-run institute contributes to research on the genotype–environment–society interaction and to the stability of this interaction. In addition to this complex research programme, the institute staff play an active part in undergraduate and postgraduate education, in scientific co-operation with Hungarian and foreign institutions and in the practical introduction of scientific results and technical knowledge. A new stage in the development of the Martonvásár innovation chain came in 2004, when the Hungarian Academy of Sciences became the majority owner of the Martonseed Company.

Alfréd Rényi Institute of Mathematics

Address: H-1053 Budapest, Reáltanoda u.
13-15

Postal address: H-1364 Budapest, P.O. Box 127

Telephone: (36-1) 483-8300

Fax: (36-1) 483-8333

Internet: <http://www.renyi.hu>

E-mail: ppp@renyi.hu

Director: **Pálffy, Péter Pál** C.M.

The principal aim of the institute is to perform high level research in mathematics and its applications, concentrating on theoretical studies inspired partly by the internal development of mathematics and partly by applications of mathematics in other sciences. The scientific output of the researchers at the institute is well certified by the papers published in leading international mathematical journals. The institute also participates in applied research by co-operating with industrial enterprises.

Balaton Limnological Research Institute

Address: H-8237 Tihany, Klebelsberg K. u. 3

Postal address: H-8237 Tihany, P.O. Box 35

Telephone: (36) 87-448-244

Fax: (36) 87-448-006

Internet: <http://tres.blki.hu>

E-mail: biro@tres.blki.hu

Director: **Bíró, Péter** F.M.

The institute was established in 1927 and since 1951 it has belonged to the Hungarian Academy of Sciences. It has two departments. The Department of Hydrobiology is involved in the ecological research of Lake Balaton, the largest lake in Central Europe. Due to the activities of the institute, Balaton has become one of the most intensively studied lake of the world and has had an ecologically sound water quality protection programme. The Department of Experimental Zoology concentrates on the cellular bases of neuronal regulation in invertebrates, combining neuroanatomical, neurochemical and electrophysiological techniques, but it also deals with the physiological effects of organic pollutants and their effect on neuronal regulation.

Biological Research Center (BRC)

Address: H-6726 Szeged, Temesvári krt. 62

Postal address: H-6701 Szeged, P.O. Box 521

Telephone: (36) 62-599-769 or 62-599-600

Fax: (36) 62-432-576 and 62-433-188

Internet: <http://www.szbk.u-szeged.hu>

E-mail: Dudits@nucleus.szbk.u-szeged.hu

General director: **Dudits, Dénes** F.M.

The main activity is basic research in molecular, cellular and developmental biology in the field of genetics, biochemistry, enzymology, plant biology and biophysics. The interdisciplinary research activities are supported by central laboratories with facilities in DNA chip technology, protein analysis (MALDI-TOF) bioinformatics, DNA sequencing and synthesis. In addition to generation of novel knowledge, researchers are also engaged in the production of intellectual properties that can be used through a technology transfer company, namely, the Szeged Biopolis Innovation and Service Ltd. Employees also participate in organised scientific postgradual training, higher education and work of the International Training Course. Further activities: publication of the scientific results; close co-operation with related institutes of the Hungarian Academy of Sciences, universities, and other Hungarian and foreign research institutions; methodological training of young scientists.

The Biological Research Center of the Hungarian Academy of Sciences gained a "Centre of Excellence" title from the EU in 2000.

BRC Institute of Biochemistry

Address: H-6726 Szeged, Temesvári krt. 62

Postal address: H-6701 Szeged, P.O. Box 521

Telephone: (36) 62-599-654

Fax: (36) 62-433-506

Internet: <http://www.szbk.u-szeged.hu>

E-mail: bktitk@brc.hu

Director: **Pósfai, György** D.Sc.

Main activities: basic research using various modern methods applicable in natural sciences, studies of nucleic acids, proteins and lipids and their complexes on different organisational levels. The studies are aimed at better understanding of the chemical and physicochemical nature of living matter, its changes, regulation of processes taking place in living matter and laws governing life phenomena. Emphasis is placed on projects with potential practical applications in medicine and biotechnology.

BRC Institute of Biophysics

Address: H-6726 Szeged, Temesvári krt. 62

Postal address: H-6701 Szeged, P.O. Box 521

Telephone: (36) 62-433-465

Fax: (36) 62-433-133

Internet: <http://www.szbk.u-szeged.hu>

E-mail: pali@nucleus.szbk.u-szeged.hu

Director: **Ormos, Pál** F.M.

The main activities of the institute are as follows: basic research aiming at elucidating the operation of biological systems on physical grounds; studies focusing on the processes of biological energy conversion, membrane biophysics and neurobiology using modern physical, chemical and biological methods; research on the self-organisation ability of matter and studies on the regulation processes in living matter primarily by physical methods.

BRC Institute of Enzymology

Address: H-1113 Budapest, Karolina út 29

Postal address: H-1518 Budapest, P.O. Box 7

Telephone: (36-1) 279-3100

Fax: (36-1) 466-5465

Internet: <http://www.enzim.hu>

E-mail: zxp@enzim.hu

Director: **Závodszy, Péter** F.M.

The main activities are: basic research aimed at elucidating the role of enzymes and other proteins in biological processes, the regulation of these processes at molecular level, the structure-function relationship of proteins, the improvement of experimental methods and the development of their theoretical basis.

BRC Institute of Genetics

Address: H-6726 Szeged, Temesvári krt. 62

Postal address: H-6701 Szeged, P.O. Box 521

Telephone: (36) 62-599-681

Fax: (36) 62-433-503

Internet: <http://www.szbk.u-szeged.hu>

E-mail: rasko@nucleus.szbk.u-szeged.hu

Director: **Raskó, István** D.Sc.

The main activities of the institute are: basic research on the mechanisms of heredity and on the processes regulating and influencing the manifestation of hereditary traits on molecular and various other organisational levels by the means of the methods of functional genomics. Researchers at the institute teach and disseminate the scientific results of genetics at a high standard.

BRC Institute of Plant Biology

Address: H-6726 Szeged, Temesvári krt. 62

Postal address: H-6701 Szeged, P.O. Box 521

Telephone: (36) 62-599-714

Fax: (36) 62-433-434

Internet: <http://www.szbk.u-szeged.hu>

E-mail: nbititk@nucleus.szbk.u-szeged.hu

Director: **Vass, Imre** D.Sc.

Main activities: basic research for the identification of genes and molecular mechanisms which determine the development, light perception and utilisation, as well as the environmental stress responses of plants; exploration of biotechnical approaches to produce plants with enhanced agronomical value; teaching the results and

methods of plant molecular biology in the framework of graduate and postgraduate programmes.

Chemical Research Center (CRC)

Address: H-1025 Budapest, Pusztaszeri út 59-67

Postal address: H-1525 Budapest, P.O. Box 17

Telephone: (36-1) 438-4141

Fax: (36-1) 325-7554

Home page: <http://www.chemres.hu>

E-mail: palg@chemres.hu

Director General: **Pálincás, Gábor** F.M.

The research teams of the Chemical Research Center have carried out pioneering work in several fields of science in Hungary. These topics include the preparation of organic compounds labelled with radioactive isotopes and their application in the interpretation of reaction mechanisms; theoretical studies in gas chromatography; investigation of the isomerisation and cracking reactions of hydrocarbons; study of liquid phase catalytic reactions; study of molecular and crystal structure: application of infrared, Raman and NMR spectroscopy, mass spectrometry, X-ray diffraction; investigation of liquid phase polymerisation processes and degradation of polymers; research in bioorganic chemistry.

Following a reorganisation process aimed at modernising the thematic and institutional structure of research, five research institutes have been formed within the Centre in 2004, as follows:

- Institute of Biomolecular Chemistry,
- Institute of Materials and Environmental Chemistry,
- Institute of Structural Chemistry,
- Institute of Surface Chemistry and Catalysis,

The essential mission of the Research Centre is to conduct highly innovative, interdisciplinary research in the fields of chemistry and related areas, focusing on chemical structure and reactivity relationships.

CRC Institute of Biomolecular Chemistry

Address: H-1025 Budapest, Pusztaszeri út 59-67

Postal address: H-1525 Budapest, P.O. Box 17

Telephone: (36-1) 438-4141

Fax: (36-1) 325-7554

Home page: <http://www.chemres.hu>

Director: **Hajós, György** D.Sc.

One of the main goals of the research activity of the institute is the elaboration of new preparative methods to allow the synthesis of new types of organic compounds and, thereby, to recognise the essential physiological functions of some known and unknown target molecules.

CRC Institute of Material and Environmental Chemistry

Address: H-1025 Budapest, Pusztaszeri út 59-67

Postal address: H-1525 Budapest, P.O. Box 17

Telephone: (36-1) 325-7896, 438-4141/346

Fax: (36-1) 325-7892

E-mail: szepvol@chemres.hu

Home page: <http://www.chemres.hu/aki>

Director: **Szépvolgyi, János** D.Sc.

The main research areas of the institute are as follows: materials chemistry, environmental chemistry. Materials chemistry: research in materials chemistry in IMEC is aimed at revealing chemical aspects of materials science and technology, a typical scientific field of interdisciplinary nature. In this context, special attention is devoted to correlations among composition, micro- and macrostructure, properties and synthesis/production of functional and structural materials. Models include self-organising surface layers, surface coatings of special properties, functional micro-gels, different polymers and copolymers, micro- and nanostructured monolithic and composite materials, metallic structural materials, and also micro- and nanosized ceramic powders and ceramics produced from them.

Environmental chemistry: research in this field is aimed at generating chemical knowledge and developing new methods of environmental protection to decrease environmental impacts emanating from human activities. The research topics cover new analytical methods and devices to be used in complex environmental systems, studies on decreasing the environmental effects of energy production both from traditional and renewable sources, processing of wastes and hazardous materials, and the development of new materials, processes and technologies having minimum environmental impacts.

CRC Institute of Structural Chemistry

Address: H-1025 Budapest, Pusztaszeri út 59-67

Postal address: H-1525 Budapest, P.O. Box 17

Telephone: (36-1) 325-7760

Fax: (36-1) 325-7554

Home page: <http://www.chemres.hu>

Director: **Kubinyi, Miklós** D.Sc.

The main goals of activity of the institute are as follows: to conduct fundamental research in different fields of structural and theoretical chemistry, and to lend support to structural research within and outside the Research Centre in the framework of scientific co-operation.

CRC Institute of Surface Chemistry and Catalysis

Address: H-1025 Budapest, Pusztaszeri út 59-67

Postal address: H-1525 Budapest, P.O. Box 17

Telephone: (36-1) 438-4141

Fax: (36-1) 325-5990

Home page: <http://www.chemres.hu>

Director: **Kálmán, Erika**, D.Sc.

The main research fields of the institute are as follows: nanostructured materials, self-assembled nanolayers, surface characterisation and modification, heterogeneous catalytic reactions.

Computer and Automation Research Institute (SZTAKI)

Address: H-1111 Budapest, Kende u. 13-17

Postal address: H-1518 Budapest, P.O. Box 63

Telephone: (36-1) 279-6000

Fax: (36-1) 466-5703

Internet: <http://www.sztaki.hu>

E-mail: sztaki@sztaki.hu

Director: **Inzelt, Péter** Ph.D.

SZTAKI is a base of informatics, in the broad sense, a national research centre of information technology, computer science and their related fields. Primarily, the technical-scientific and mathematical issues of informatics are investigated, with consideration of and attention to fields related to the above fundamental issues. Besides pursuing comprehensive basic- and applied research, the transmission of the results to R&D, system design and system integration, as well as consulting and software development also belong among the activities of the institute.

Geodetic and Geophysical Research Institute

Address: H-9400 Sopron, Csatkai E. u. 6-8

Postal address: H-9401 Sopron, P.O. Box 5

Telephone: (36) 99-508-340

Fax: (36) 99-508-355

Internet: <http://www.ggki.hu>

E-mail: zavoti@ggki.hu

Director: **Závoti, József** D.Sc.

The main activities of the institute are: basic research in geodesy and geophysics, establishment and operation of geophysical observatories in the fields of seismology, geodynamics, geomagnetism, ionosphere and atmospheric electricity, support for institutions to solve problems in geodesy and geophysics, participation in international organisations and projects.

Geographical Research Institute

Address: H-1112 Budapest, Budaörsi út 45

Postal address: H-1388 Budapest, P.O.

Box 64

Telephone: (36-1) 309-2628

Fax: (36-1) 309-2690

Internet: <http://www.miwo.hu/partner/mtafki/>

E-mail: schweidf@helka.iif.hu

Director: **Schweitzer, Ferenc** D.Sc.

The institute focuses its activities on developing the theoretical bases and methodology of physical, human and regional geography; studying spatial processes and interrelationships; carrying out temporal and spatial surveys relating to the interactions between man and environment; assessing the factors of the geographical environment with special reference to natural and socio-economic resources and to the emerging socio-economic problems in Hungary and within its distinct territorial units (natural macro-, meso- and microregions, districts and administrative units); taking part in international co-operation; documenting and propagating the research achievements (by publishing books and periodicals in both Hungarian and foreign languages).

Institute of Ecology and Botany

Address: H-2163 Vácraátót, Alkotmány u. 2-4

Telephone: (36) 28-360-122, 28-360-147

Fax: (36) 28-360-110

Internet: <http://www.botanika.hu>

E-mail: igazgato@botanika.hu

Director: **Török, Katalin** Ph.D.

Activities of the institute are focused on basic and applied research in the field of ecology, botany and hydrobiology. Research is carried out in the following topics:

- organisation and dynamics of biocoenoses;
- biodiversity patterns at various scales;

- hydrobiology of running and standing waters and wetlands;
- ecological effects of climate- and land use changes;
- conservation biology and restoration ecology;
- exploring and utilising new plant resources;
- investigation and analysis of natural vegetation in Hungary;
- as a special task, the maintenance and development of the collections of the Botanical Garden.

Institute of Experimental Medicine

Address: H-1083 Budapest, Szigony u. 43

Postal address: H-1450 Budapest, P.O. Box 67

Telephone: (36-1) 210-9400

Fax: (36-1) 210-9423

Internet: <http://www.koki.hu>

E-mail: freund@koki.hu

Director: **Freund, Tamás** F.M.

The institute was established in 1952 as a member of the research institute network of the Hungarian Academy of Sciences and it is currently the only institution in Hungary dedicated exclusively to basic medical research. Over the last decade the institute has evolved into a premier neuroscience centre with a focus on understanding neurotransmission, learning and memory, anxiety and depression, epilepsy, and neural control of the endocrine and immune systems. Scientists at the institute have adopted a farsighted basic strategy of using multidisciplinary approaches that combine the best of traditional methods with cutting-edge technologies. They are now especially well known for developing and applying state-of-the-art cellular and molecular neuroanatomical-neurophysiological and neuropharmacological methods of analysis.

Research at the institute is focused on a range of topics relating to the gene, molecular and cellular systems, and behavioural levels with a focus on pharmacology,

endocrinology, cellular and network neurobiology, development, and behavioural neurobiology.

Institute for Geochemical Research

Address: H-1112 Budapest, Budaörsi út 45

Telephone/fax: (36-1) 319-3137

E-mail: demeny@geochem.hu

Web-site: <http://www.geochem.hu>

Director: **Demény, Attila** D.Sc.

The main activities of the institute are as follows: basic research in the fields of mineral- and petrogenesis, formation of mineral deposits, isotope, organic and environmental geochemistry. Research of magmatic, sedimentary and metamorphic rock-forming processes aim at better understanding the lithosphere and the geological evolution of the Earth's crust in Hungary and in its wider environment. The geochemical processes of the formation and accumulation of certain raw materials (hydrocarbons, subsurface waters as well as ore and other mineral deposits) are also investigated. In the field of environmental science, geochemical processes in certain geospheres and at their boundaries are studied in order to constrain geochemical cycles of certain bioessential and toxic elements, with special emphasis on the protection of soils, subsurface water resources and cultural heritage.

Institute of Isotopes

Address: H-1121 Budapest, Konkoly-T. M. út 29-33

Postal address: H-1525 Budapest, P.O. Box 77

Telephone: (36-1) 392-2531

Fax: (36-1) 392-2533

E-mail: wojn@alpha0.iki.kfki.hu

Home page: <http://www.iki.kfki.hu>

Director: **Wojnárovits, László** D.Sc.

The institute contributes to the following main research fields: surface chemistry and catalysis, nuclear and isotope

chemistry. Research activity of the institute is focused on the field of surface science and catalysis, and nuclear chemistry, with special emphasis on the multilateral co-operation of the two fields: application of nuclear techniques in surface chemistry and the utilisation of the knowledge gained by nuclear chemistry in surface chemistry and catalysis.

Institute of Nuclear Research

Address: H-4026 Debrecen, Bem tér 18/c

Postal address: H-4001 Debrecen, P.O. Box 51

Telephone: (36) 52-509-260

Fax: (36) 52-416-181

Internet: [http:// www.atomki.hu](http://www.atomki.hu)

E-mail: fulop@atomki.hu

Director: **Fülöp, Zsolt** D.Sc.

The institute is devoted to basic and applied research in atomic, nuclear and particle physics, the applications of physical methods and knowledge in other fields of science (materials research, environmental and earth sciences, biological and medical research etc.) and to solving practical problems (for industry, agriculture, medicine, etc.), developing techniques and instruments for basic and applied research, also taking part in higher education.

KFKI Atomic Energy Research Institute

Address: H-1121 Budapest, Konkoly-Thege u. 29-33

Postal address: H-1525 Budapest, P.O. Box 49

Telephone: (36-1) 395-9159

Fax: (36-1) 395-9293

Internet: <http://www.kfki.hu/~aekihp/>

E-mail: gado@sunserv.kfki.hu

Director: **Gadó, János** D.Sc.

The main activities of the institute are research and development in reactor physics, fuel behaviour, thermo-hydraulics, health physics, real time information and

operator aid systems, reactor simulation, deterministic and probabilistic analyses of reactor safety, safety aspects of the transport and storage of nuclear material, severe accident analysis, radiation damage of materials, fracture mechanics, risk assessment, analytical chemistry, reactor diagnostics and leak detection. Further important research and development activities are carried out in the fields of deterministic and probabilistic analysis of dangerous industrial systems, environment protection, physical chemistry, acoustic emission methods, in reactor-electronics and in space electronics. The operation of the Budapest Research Reactor and that of the cold neutron source, as well as research and development in the field of neutron radiography, neutron reflectometry, neutron activation analysis and also the study of the biological effects of radiation belong to the activities of the institute.

KFKI Research Institute for Particle and Nuclear Physics

Address: H-1121 Budapest, Konkoly-Thege u. 29-33

Postal address: H-1525 Budapest, P.O. Box 49

Telephone: (36-1) 392-2512

Fax: (36-1) 392-2598

Internet: <http://www.rmki.kfki.hu>

E-mail: sznagy@rmki.kfki.hu

Director: **Szökefalvi-Nagy, Zoltán** D.Sc.

The main activities of the institute are as follows: fundamental experimental and theoretical research in high energy nuclear and particle physics, heavy ion physics, plasma physics, physics of cooled atoms, space physics, nuclear solid state physics, materials sciences, computational neuroscience, application of physics in biology, applied research and development in the field of laser techniques, ion beam microanalysis, space electronics, fast data processing, optical and X-ray spectroscopy. Most of the institute's work is connected with the so-called "big sciences", realised within the framework of international co-operation. The institute

hosts the Hungarian Association EURATOM – Hungarian Academy of Sciences which participates in the European programme for the development of useful fusion energy. The Computer Networking Centre is working as a department of the institute. The institute is entitled to issue certificates for the Hungarian community of grid research.

Konkoly-Thege Miklós Astronomical Institute

Address: H-1121 Budapest, Konkoly-Thege út 15-17

Postal address: H-1525 Budapest, P.O. Box 67

Telephone: (36-1) 391-9322, (36-1) 391-9360

Fax: (36-1) 275-4668

E-mail: balazs@konkoly.hu

Homepage: <http://www.konkoly.hu>

Director: **Balázs, Lajos G.** D.Sc.

The institute carries out observational astronomical studies, mainly related to the physics of variable stars, galactic structure, solar activity and the terrestrial upper atmosphere. These tasks imply operation of the internationally recognised observational network developed during the last three decades. A very important task is the development of the national astronomical information system, including the observatory's library.

Research aims and topics: studies concerning the behaviour of variable stars: investigation of multiple periodicity and period changes of pulsating variables, as well as research on stellar activity of various time-scales. Studies related to the galactic structure and physics of interstellar matter with an emphasis on the star-forming processes. Studies of the upper atmosphere of the Earth and Mars with space-borne equipment. Studies on solar activity, investigation of the problems of sunspots and prominences.

Plant Protection Institute

Address: H-1022 Budapest, Herman Ottó út 15

Postal address: H-1525 Budapest, P.O. Box 102

Telephone: (36-01) 487-7500

Fax: (36-1) 487-7555

Internet: <http://www.nki.hu>

E-mail: bbar@nki.hu

Deputy director: **Barna, Balázs** D.Sc.

The institute is the Hungarian research centre for plant protection and is mainly involved in basic research in the fields of plant pathology, entomology, ecotoxicology, pesticide chemistry, herbology and disease resistance of crop plants. In addition to basic research, most of the scientists are involved in postgraduate training, applied research as well as in innovation.

Research Institute for Soil Sciences and Agricultural Chemistry

Address: H-1022 Budapest, Herman Ott út 15

Postal address: H-1525 Budapest, P.O. Box 35

Telephone: (36-1) 356-4682

Fax: (36-1) 356-4682

Internet: <http://www.taki.iif.hu>

E-mail: nemeth@rissac.hu

Director: **Németh, Tamás** F.M.

Established in 1949, the institute is the scientific centre in Hungary for soil science, agrochemistry and soil biology. It is responsible primarily for basic research in these fields, but it also carries out significant applied research, education, advisory and information activities, as well as extensive national and international co-operation. It co-ordinates several national and international programmes.

Research Institute for Solid State Physics and Optics

Address: H-1121 Budapest, Konkoly-Thege u. 29-33

Postal address: H-1525 Budapest, P.O. Box 49

Telephone: (36-1) 392-2212

Fax: (36-1) 392-2215

Internet: <http://www.szfki.hu>

E-Mail: szfki@szfki.hu

Director: **Kollár, János** D.Sc.

The institute hosts the KFKI Condensed Matter Research Centre (KFKI-CMRC), an organisation founded by four academic research institutes to co-ordinate research activity in the field of condensed matter physics and application at the KFKI campus. In 2000, the KFKI-CMRC has been awarded the title of "Centre of Excellence" by the European Commission within the 5th Framework Programme. Its main fields of activity are: basic research in the field of theoretical and experimental solid state physics, including the physics of condensed materials, nanostructures, thin films and surfaces, and also in the field of theoretical and experimental optics, including the physics of optical crystals, non-linear and quantum optics as well as laser physics. It also carries out applied research, including the development, study and applications of specific new materials, new test methods, new optical crystals, thin film devices and lasers. It works on the development of unique research methods concerning basic research activities.

Research Institute for Technical Physics and Materials Science

Address: H-1121 Budapest, Konkoly-Thege u. 29-33

Postal address: H-1525 Budapest, P.O. Box 49

Telephone: (36-1) 392-2224

Fax: (36-1) 392-2226

Internet: <http://www.mfa.kfki.hu>

E-mail: barsony@mfa.kfki.hu

Director: **Bársony, István** D.Sc.

The institute in its present form was organised in 1998 at the KFKI Campus by a merger of the Research Institute for Technical Physics and the KFKI Research Institute for Materials Science, with a mission to perform basic, targeted and applied research in modern materials science

focusing on complex functional materials, integrated micro- and nano-devices and systems for basic physical, chemical and applied research and also on the development of experimental techniques for the preparation, modification, and structural analysis of materials. Intense participation in undergraduate and graduate education at major Hungarian universities, scientific contacts with SME-s and with other industries are of high priority.

Veterinary Medical Research Institute

Address: H-1143 Budapest, Hungária krt. 21

Postal address: H-1581 Budapest, P.O. Box 18

Telephone: (36-1) 252-2455

Fax: (36-1) 467-4076

Internet: <http://www.vmri.hu>

E-mail: harrach@vmri.hu

Director: **Harrach, Balázs** D.Sc.

The mandate of the institute is to investigate viral, bacterial and parasitic diseases of farm animals and fishes by using both classical and state-of-art molecular biological approaches. The overwhelming part of the work is basic research. In particular, molecular and genetic aspects are emphasised. However, the duties of the institute also include the improvement of diagnostic and vaccination methods, and participation in different forms of graduate and postgraduate training, promotion of international collaborations, informing the public about scientific achievements, and assisting in the technological transfer of research results for application purposes. At present, the institute, as an internationally acknowledged site of basic research, continues to consolidate its position as a national resource of new knowledge applicable in the prevention of infectious animal diseases.

Institutes for social sciences and the humanities

Center for Social Studies

Address: H-1014 Budapest, Országház u. 30

Postal address: H-1014 Budapest, Országház u. 30

Telephone: (36-1) 224-6700

Fax: (36-1) 224-6792

E-mail: bal8686@helka.iif.hu

Director: **Balogh, Margit** C.Sc.

The purpose of the Research Centre for Social Studies, established on January 1st 2001, is to organise and co-ordinate the accentuated scientific tasks, to vivify and aid multi- and interdisciplinary projects and to provide them with the conditions necessary for execution. Another important goal of the centre is to organise conferences and joint scientific projects with the participation of nine academic institutes of social sciences (Sociology, History, Archaeology, Minority Studies, Art History, World Economics, Ethnology, Legal Studies, Political Sciences) working in the Buda Castle area, to cope with all the controlling and managing tasks and to run the Academy buildings in the Buda Castle quarter. Moreover, some of the projects also include researchers and institutes from other scientific areas, namely from the natural sciences. There are four research teams within the Research Centre for Social Studies.

Centre for Regional Studies (CRS)

Address: H-7621 Pécs, Papnövelde u. 22

Postal address: H-7601 Pécs, P.O. Box 199

Telephone: (36) 72-523-801

Telephone/Fax: (36) 72-523-803

Internet: <http://www.rkk.hu>

E-mail: horvath@rkk.hu

General director: **Horváth, Gyula** D.Sc.

Research units

Central and North Hungarian Research Institute

Address: H-1014 Budapest, Úri u. 49

Postal address: H-1538 Budapest 114, P.O.Box 527

Telephone: (36-1) 212-9525

Fax: (36-1) 212-9526

E-mail: barta@rkk.mta.hu

Director: **Barta, Györgyi** D.Sc.

Great Plain Research Institute

Address: H-6000 Kecskemét, Rákóczi út 3

Postal address: H-6001 Kecskemét, P.O. Box 261

Telephone: (36) 76-502-840

Fax: (36) 76-502-849

E-mail: csatbal@rkk.hu

Director: **Csatári, Bálint** C.Sc.

Transdanubian Research Institute

Address: H-7621 Pécs, Papnövelde u. 22

Postal address: H-7601 Pécs, P.O. Box 199

Telephone: (36) 72-523-823

Fax: (36) 72-523-822

E-mail: palne@rkk.hu

Director: **Pál-Kovács, Ilona** D.Sc.

West Hungarian Research Institute

Address: H-9022 Győr, Liszt Ferenc u. 10

Postal address: H-9002 Győr, P.O. Box 420

Telephone: (36) 96-516-570

Fax: (36) 96-516-579

E-mail: rechnj@rkk.hu

Director: **Rechnitzer, János** D.Sc.

The Centre for Regional Studies, which is an institute of complex social science research, was founded in 1983 and operates in the form of a network. It is a base of Hungarian regional development research and its training. It has played a dominant role in the creation and carrying out of regional studies in Hungary, in co-operation with the European system of science.

The main fields of study are as follows: research of the long-term Hungarian and international processes of regional and urban development; the globalising (European, Euro-regional, East-Central European, Hungarian) spatial structures, their division of labour, their system of institutions and tools; establishment of decisions concerning regional development in Hungary and the country's accession to the European integration; training and further training of the experts of regional and urban development.

Ethnics and National Minorities Studies Institute

Address: H-1014 Budapest, Országház u. 30

Postal address: H-1250 Budapest, P.O. Box 5

Telephone: (36-1) 224-6790

Fax: (36-1) 224-6793

Internet: <http://www.mtaki.hu>

E-mail: sisak@mtaki.hu

Director: **Szarka, László** C.Sc.

The Institute was originally set up in 1998 as the Minority Studies Programme of the Hungarian Academy of Sciences and became an independent research centre as of January 1, 2001. The primary objective of the Institute is to carry out complex and interdisciplinary studies on the situation of the Hungarian and Roma minorities in the Central and Eastern European region, as well as the non-Hungarian minorities in Hungary, involving the fields of contemporary history, sociology, anthropology, sociolinguistics, law and political science. The Institute pursues basic research in the topics of bilingualism, identities and identity construction, models of minority

self-government, minority institutions, interethnic relations and conflicts, as well as migration processes. The Institute also carries out applied research in support of the educational, cultural, linguistic, regional and local programmes of development concerning minority community building.

Institute for Legal Studies

Address: H-1014 Budapest, Országház u. 30

Postal address: H-1250 Budapest, P.O. Box 25

Telephone: (36-1) 355-7384

Fax: (36-1) 375-7858

E-mail: lamm@jog.mta.hu

Director: **Lamm, Vanda** C.M.

The predecessor of the Institute for Legal Studies was founded in 1941 by an Order of the Prime Minister; since 1955 it has belonged to the Hungarian Academy of Sciences. The institute's research activity covers a wide range of legal topics, i.e., administrative law, civil law, comparative law, constitutional law, European law, international public and private law, legal philosophy, criminal law, etc. The current research work of the institute is based on a three-year research programme approved by the Hungarian Academy of Sciences. The main aim of the institute is to promote legal sciences in Hungary; but it also assists in various forms the legislation, legal practice and legal education.

Institute for Literary Studies

Address: H-1118 Budapest, Ménesi út 11-13

Telephone: (36-1) 279-2760

Fax: (36-1) 385-3876

Internet: <http://www.iti.mta.hu>

E-mail: iti@iti.mta.hu

Director: **Szörényi, László** D.Sc.

The main activities of the institute are: research on the history of Hungarian literature from its beginnings to the

present; literary theory; the history of literary criticism; Central and East European literature; critical editions and source studies in Hungarian and Neo-Latin literature; editing of reference books and bibliographies.

Institute for Musicology

Address: H-1014 Budapest, Táncsics Mihály u. 7

Postal address: H-1250 Budapest, P.O. Box 28

Telephone: (36-1) 214-6770

Fax: (36-1) 375-9282

Internet: <http://www.zti.hu>

E-mail: director@zti.hu

Director: **Tallián, Tibor** C.Sc.

Activities include maintaining and enriching the primary collections hosted by the institute: the Hungarian Folk Music and Folk Dance Archives, the Bartók Archives, the Ernő Dohnányi Archives, and the Museum of Music History, all of which are unique for Hungary, and are also of outstanding importance in their field internationally. The institute also conducts comprehensive research into the music history of Hungary, and into various fields of general music history; it carries out research in the domains of ethnomusicology and ethnochoreology, especially in Hungarian and European folk music and folk dance; participates in graduate and postgraduate education in musicology in co-operation with the Ferenc Liszt Academy of Music, Budapest.

Institute for Psychology

Address: H-1132 Budapest, Victor Hugo u. 18-22

Postal address: H-1394 Budapest, P.O. Box 398

Telephone: (36-1) 239-6726, 353-3244

Fax: (36-1) 239-6727

Internet: <http://www.mtapi.hu>

E-mail: czigler@cogpsyphy.hu, farkase@mtapi-hu

Director: **Czigler, István** D.Sc.

The main fields of activity of the institute are: basic research in psychology that contributes to scientific progress and may be applied directly or indirectly; complex, interdisciplinary psychological studies; applying and developing research methods; contribution to institutional – gradual and postgradual forms – of professional and scientific training; scientific co-operation with Hungarian and international research sites; promotion of psychological research; comprehensive participation in scientific public life and in the activities of the psychological community.

Institute for World Economics

Address: H-1014 Budapest, Országház u. 30

Postal address: H-1535 Budapest, P.O. Box 936

Telephone: (36-1) 226-6760

Fax: (36-1) 226-6765

Internet: <http://www.vki.hu>

E-mail: vki@vki.hu

Director: **Inotai, András** D.Sc.

The Institute for World Economics of the Hungarian Academy of Sciences (IWE) has operated in its present form since 1973. Its predecessor was the Afro-Asian Research Centre, founded in 1965. The institute pursues policy-oriented research activity independent of political influences. Its purpose is to draw conclusions and make recommendations for Hungarian policy-makers, based on its research findings. These concern economic policy and the main lines of economic development, especially in relation to occurrences in Europe – in the European Union and the Central and Eastern European region – and to the challenges of the global economic system.

Institute of Archeology

Address: H-1014 Budapest, Úri u. 49

Postal address: H-1250 Budapest, P.O. Box 14

Telephone: (36-1) 356-4567

Fax: (36-1) 224-6719

Internet: <http://www.archeo.mta.hu>

E-mail: balint@archeo.mta.hu

Director: **Bálint, Csanád** C.M.

The activity of the institute targets the archaeology of the Carpathian Basin and its historically related areas, as well as historical Hungary. The institute aspires to cover with its research activity the entire period from the Neolithic to the Late Middle Ages. In an international aspect this means, first of all, research in Central Europe (in all periods), South-eastern Europe (in the Neolithic and the Middle Ages) and Eastern Europe (in the Migration and the Conquest periods). The study of the Roman Period is logically extended to the entire territory of the Roman Empire. Our colleagues also take part in research into the history of prehistoric religions and the Roman period, and also mediaeval numismatics.

Institute of Economics

Address: H-1112 Budapest Budaörsi út 45

Postal address: H-1502 Budapest P.O. Box 262

Telephone: (36-1) 309-2651

Fax: (36-1) 319-3136

Internet: <http://www.econ.core.hu>

E-mail: secretary@econ.core.hu

Director: **Fazekas, Károly** C.Sc.

The Institute of Economics of the Hungarian Academy of Sciences is committed to international standards of basic and applied research in economics. It has focused increasingly on the analysis of the modern market economy and the transformation of the Hungarian economy. Research results are made available for, and are regularly used by, policy-making bodies and universities.

Institute of Ethnology

Address: H-1014 Budapest, Országház u. 30

Postal address: H-1250 Budapest, P.O. Box 29

Telephone: (36-1) 356-6167

Fax: (36-1) 375-9764

E-mail: etnologia@etnologia.mta.hu

Home page: www.etnologia.mta.hu

Director: **Hoppál, Mihály, D. Sc.**

The institute of Ethnology was founded in 1967 at the Hungarian Academy of Sciences as a Research Group of Ethnography for the advancement of ethnographic, folklore and general ethnological studies in Hungary. It obtained the status of an institute in 1991 when its name also changed. The institute has 30–32 researchers in its four departments (Historical Ethnography, Folklore, Social Anthropology, General Ethnology).

Institute of History

Address: H-1014 Budapest, Úri u. 53

Postal address: H-1250 Budapest, P.O. Box 9

Telephone: (36-1) 224-6755

Fax: (36-1) 224-6756

Internet: <http://www.tti.hu>

E-mail: apok@tti.hu

Director: **Glatz, Ferenc F.M.**

The Institute of History of the Hungarian Academy of Sciences is a research institute within the framework and under the supervision of the Hungarian Academy of Sciences. It is an independent legal entity, the budget of which conforms to the statutes of the Academy. It is the chief workshop of Hungarian historical research, the main Hungarian partner of international historical scholarship. The institute was founded in 1949 and has been functioning ever since. Its predecessor was the historical section of the Teleki Pál Institute (founded in 1941). Its main task is basic research on Hungarian history in a regional, European and global context.

Institute of Political Sciences

Address: H-1014 Budapest, Országház u. 30

Postal address: H-1250 Budapest, P.O. Box 5

Telephone: (36-1) 224-6724
Fax: (36-1) 224-6727
Internet: <http://www.mtapti.hu>
E-mail: ipshas@mtapti.hu
Director: **Bayer, József** C.M.

The institute conducts theoretical, empirical and comparative research primarily in the field of political science, but also, to a considerable extent, in the field of related social sciences. Its activity is characterised by a marked inter- and multidisciplinary approach. It belongs among its task to continuously study Hungarian political life, to describe and interpret the decisive trends and to enrich the academic means required for that work.

Institute of Sociology

Address: H-1014 Budapest, Úri u. 49
Postal address: H-1250 Budapest, P.O. Box 20
Telephone: (36-1) 224-6740
Fax: (36-1) 224-6741
Internet: <http://www.socio.mta.hu/>
E-mail: h8756tam@ella.hu
Director: **Tamás, Pál** C.Sc.

The main research topics of the institute are: social and welfare policies; sociology of labour; study of the social production and distribution of knowledge, and of the development of information society; the study of social structure, of poverty and minorities; study of social movements; lifestyle, life strategies; the study of culture; European integration; the organisation of civil society; changes in social consciousness and values; study of the spatial structure and the systems of settlements; research into environmental sociology, eco-politics and health care. The institute, with more than 50 associates, is currently the biggest research establishment of Hungarian sociology. It has participated in several EU and OECD projects, in NATO conferences. The regular scholarly and research

network of the Institute covers more than 20 countries. There are 2 periodicals edited at the institute.

Research Institute for Art History

Address: H-1014 Budapest, Úri u. 49

Postal address: H-1250 Budapest 1, P.O. Box 27

Telephone: (36-1) 375-0493 or 224-6700/210

Fax: (36-1) 375-0493 or 456-1849

Internet: <http://www.arthist.mta.hu>

E-mail: lbeke@arthist.mta.hu,

arthist@arthist.mta.hu,

Director: **Beke, László** C.Sc.

The institute is a national research centre, its principal task being research into the history, monuments and documents of Hungarian art, and art in Hungary from the earliest times to the present day, and also the publication of research materials in this field. In time and space the institute's activities partly overlap the scope of the collections of Hungarian museums and the objects under the protection of Hungarian building conservation, but partly also exceed it by focusing on the whole of historical Hungary and the activities of Hungarian artists. In fulfilling its tasks concerning the exploration of national heritage, the institute closely co-operates with the public collections. It participates in multidisciplinary and international research projects, and maintains professional relations with other countries' research institutes. As a member of the Research Institutes of the History of Art (RIHA), it takes part in research into international, European and Central European art with regard to Hungarian art.

Research Institute for Linguistics

Address: H-1068 Budapest, Benczúr u. 33

Postal address: H-1399 Budapest, P.O. Box 701/518

Telephone: (36-1) 321-4830

Fax: (36-1) 322-9297

Internet: <http://www.nytud.hu/eng/index.html>

E-mail: linginst@nytud.hu
Director: **Kenesei, István** D.Sc.

Studies in the grammar of Hungarian, research into its history and related languages, investigation of the human language capacity, explorations in the theory of grammar, enquiry into the properties of linguistic communication, construction of comprehensive linguistic data banks, development of language technology, participation in the education of future generations of linguists, and running an information service for other research places of linguistics in Hungary and for the general public.

Research Institute of Philosophy

Address: H-1054 Budapest, Szemere u. 10
Postal address: H-1398 Budapest, P.O. Box 594
Telephone/fax: (36-1) 312-0243
Internet: <http://www.phil-inst.hu>
E-mail: borbely@webmail.phil-inst.hu
Director: **Borbély, Gábor** C.Sc.

The institute's central research project is to study philosophical questions of the information society. This project is based on broad philosophical foundations and applies traditional philosophical analyses, exploiting the classical philosophical background which has been accumulated at the institute.





6. RESEARCH GROUPS ATTACHED TO UNIVERSITIES AND OTHER INSTITUTIONS SUPPORTED BY THE ACADEMY

Office for Academy-supported Research Groups Attached to Universities and Other Institutions

Address: H-1051 Budapest, Nádor u. 7

Postal address: H-1245 Budapest, P.O. Box 1000

Telephone: (36-1) 413-3220

Fax: (36-1) 413-7890

Internet: <http://www.mta.hu/index.php?id=705>

E-mail: titkarsag@tki.office.mta.hu

Director: **Idei, Miklós D.Sc.**

Council of the Research Group's Representatives

President: **Halász, Béla F.M.**

Vice presidents: **Hunyady, György F.M.**

Medzihradszky, Kálmán F.M.

Research Groups according to Universities and Institutions

HAS-BME Cognitive Science Research Group

Head: **Kovács, Ilona**

HAS-BME Condensed Matter Research Group

Head: **Jánossy, András**

HAS-BME Control Engineering Research Group

Head: **Keviczky, László**

HAS-BME Materials Structure and Modeling Research Group

Head: **Hargittai, István**

HAS-BME Research Group for Alkaloid Chemistry

Head: **Huszthy, Péter**

HAS-BME Research Group for Metals Technology

Head: **Ginsztler, János**

HAS-BME Research Group for Organic Chemical Technology

Head: **Faigl, Ferenc**

HAS-BME Research Group for Physical Geodesy and Geodynamics

Head: **Ádám, József**

HAS-BME Research Group for Technical Analytical Chemistry

Head: **Horvai, György**

HAS-BME Research Group on Dynamics of Machines and Vehicles

Head: **Stépán, Gábor**

HAS-BME Stochastics Research Group

Head: **Csiszár, Imre**

HAS-BME Water Resources Research Group

Head: **Somlyódy, László**

HAS-CUB Adaptation to Climate Change Research Group

Head: **Harnos, Zsolt**

HAS-CUB Demographic Research Group

Head: **Moksony, Ferenc**

HAS-ELTE Philosophy of Language Research Group

Head: **Kelemen, János**

HAS-ELTE Atelier, European Historiography and Social Sciences Research Group

Head: **Gergely, András**

HAS-ELTE Communication Research Group

Head: **Hunyady György**

HAS-ELTE Egerváry Research Group on Combinatorial Optimization

Head: **Frank, András**

HAS-ELTE Geolinguistics Research Group

Head: **Kiss, Jenő**

HAS-ELTE Geological, Geophysical and Space Science Research Group

Head: **Haas, János**

HAS-ELTE History of Law Research Group

Head: **Izsák, Lajos**

HAS-ELTE Immunology Research Group

Head: **Erdei, Anna**

HAS-ELTE Literary Theory Research Group

Head: **Kulcsár Szabó, Ernő**

HAS-ELTE Online Critical Editions Project

Head: **Szegedy-Maszák, Mihály**

*HAS-ELTE Parties, Party-systems and Parliamentarism
Research Group*

Head: **Gergely, Jenő**

HAS-ELTE Protein Modelling Research Group

Head: **Perczel, András**

HAS-ELTE Research Group for Historical Russian Studies

Head: **Szvák, Gyula**

*HAS-ELTE Research Group for Interdisciplinary
Archaeological Studies*

Head: **Szabó, Miklós**

*HAS-ELTE Research Group for Theoretical Biology and
Ecology*

Head: **Szathmáry, Eörs**

HAS-ELTE Research Group of Central Asian Studies

Head: **Vásáry, István**

HAS-ELTE Research Group of Peptide Chemistry

Head: **Hudecz, Ferenc**

*HAS-ELTE Statistical and Biological Physics Research
Group*

Head: **Vicsek, Tamás**

HAS-ELTE Systematic Zoology Research Group

Head: **Abaffyné Dózsa-Farkas, Klára**

HAS-ELTE Theoretical Physics Research Group

Head: **Horváth, Zsolt**

HAS-HNHM Animal Ecology Research Group

Head: **Papp, László**

HAS-HNHM Research Group for Paleontology

Head: **Vörös, Attila**

HAS-HNSzL Res libraria Hungariae Research Group

Head: **Madas, Edit**

HAS-KU Research Group of Animal Breeding and Hygiene

Head: **Horn, Péter**

HAS-NMC Membrane Biology Research Group

Head: **Sarkadi, Balázs**

HAS-ORZSE Research Center for Jewish Cultural Studies

Head: **Kiss, Endre**

*HAS-PPCU Infobionic and Neurobiological Plasticity
Research Group*

Head: **Roska, Tamás**

HAS-PPCU Research Center for Ancient Studies

Head: **Maróth, Miklós**

*HAS-PU Hungary, Europe and Ibero-America Research
Group*

Head: **Fischer, Ferenc**

HAS-PU Neurophysiology Research Group

Head: **Lénárd, László**

*HAS-SU Inflammation Biology and Immunogenomics
Research Group*

Head: **Falus, András**

*HAS-SU Laboratory for Neurobiochemistry and Molecular
Physiology*

Head: **Spät, András**

HAS-SU Molecular Medicine Research Group

Head: **Tulassay, Zsolt**

HAS-SU Neuromorphological and Neuroendocrine Research Laboratory

Head: **Gerendai, Ida**

HAS-SU Pathobiochemistry Research Group

Head: **Mandl, József**

HAS-SU Research Group for Pediatrics and Nephrology

Head: **Tulassay, Tivadar**

HAS-SZIU Mycology Group of the Hungarian Academy of Sciences

Head: **Hornok, László**

HAS-SZIU Plant Ecology Research Group

Head: **Tuba, Zoltán**

HAS-UD Apoptosis and Genomics Research Group

Head: **Fésüs, László**

HAS-UD Carbohydrate Research Group

Head: **Antus, Sándor**

HAS-UD Cell Biology and Signaling Research Group

Head: **Gergely, Pál**

HAS-UD Critical Editions of 18th and 19th Century Hungarian Literature

Head: **Bitskey, István**

HAS-UD Ethnographic Research Group

Head: **Bartha, Elek**

HAS-UD Haemostasis, Thrombosis and Vascular Biology Research Group

Head: **Muszbek, László**

HAS-UD Homogeneous Catalysis Research Group
Head: **Joó, Ferenc**

HAS-UD Neuroscience Research Group
Head: **Kisvárdy, Zoltán**

HAS-UD Number Theory Research Group
Head: **Győry, Kálmán**

HAS-UD Public Health Research Group
Head: **Ádány, Róza**

HAS-UD-UP-USZ Research Group for Theoretical Linguistics
Head: **Kertész, András**

HAS-UM Earth Engineering Research Group
Head: **Lakatos, István**

HAS-UM Materials Science Research Group
Head: **Roósz, András**

HAS-UP Air Chemistry Research Group
Head: **Gelencsér, András**

HAS-UP Networked Research Group on Regional Innovation and Development Studies
Head: **Török, Ádám**

HAS-USZ Analysis and Stochastics Research Group
Head: **Totik, Vilmos**

HAS-USZ Chromatin Structure and Gene Expression Research Group
Head: **Boros, Imre Miklós**

HAS-USZ Cortical Microcircuits Research Group
Head: **Tamás, Gábor**

HAS-USZ Dermatological Research Group

Head: **Kemény, Lajos**

*HAS-USZ Division of Cardiovascular Pharmacology
Research Group*

Head: **Varró, András**

HAS-USZ Research Group on Artificial Intelligence

Head: **Csirik, János**

HAS-USZ Research Group on Laser Physics

Head: **Bor, Zsolt**

*HAS-USZ Research Group on the Development of
Competencies*

Head: **Csapó, Benő**

HAS-USZ Stereochemistry Research Group

Head: **Fülöp, Ferenc**

*HAS-USZ Supramolecular and Nanostructured Materials
Research Group*

Head: **Penke, Botond**

HAS-USZ Turkological Research Group

Head: **Berta, Árpád**

*HAS-USZ-NAH Hungarian Medieval Studies Research
Group*

Head: **Makk, Ferenc**





7. OTHER INSTITUTIONS OF THE HUNGARIAN ACADEMY OF SCIENCES

These institutions perform special tasks and render special scientific, technical, administrative, information and other services. They are:

- The Library of the Hungarian Academy of Sciences
- Institute for Research Organisation
- The Art Collection of the Academy
- The Office for International Co-operation
- The Academy's Club Association
- The Scientists' Club

The Library of the Hungarian Academy of Sciences

Address: H-1051 Budapest, Arany János u. 1

Postal address: H-1245 Budapest, P.O. Box 1002

Telephone: (36-1) 309-2652

Fax: (36-1) 309-2650

Internet: <http://www.mtak.hu>

E-mail: mtak@vax.mtak.hu

Director general: **Náray-Szabó, Gábor** F.M.

One of the country's largest information centres, founded in 1826, the Library of the Hungarian Academy of Sciences holds over one million volumes of books, almost

290,000 volumes of Hungarian and foreign periodicals, some 600,000 manuscripts, 22,000 microfilms. The Oriental Collection of international renown and the Department of Manuscripts and Old Books deserve special mention. In addition to the main library, the Academy's research institutes and centres also maintain special libraries, some of which are of national importance in their particular fields of learning.

Institute for Research Organisation

Address: H-1051 Budapest, Nádor u. 18

Postal address: H-1245 Budapest, P.O. Box 994

Telephone: (36-1) 331-3161

Fax: (36-1) 269-5195

Internet: <http://www.mtak.szi.iif.hu>

E-mail: h338tol@ella.hu

Director: **Tolnai, Márton** C.Sc.

The institute's responsibilities include scientific and administrative services to the Academy's high officials and leading bodies; research in science and technology policies in international comparison, with special view to the East-Central-European countries; scientometric research. It provides expert advice to national R&D policy bodies and agencies; and maintains databases of the Academy's information system.

Current research projects include the analysis and comparative study of science and technology policies; assessment and comparison of the scientific activities of research institutions and nations; science policy monitoring of the Hungarian climate change research project (KLIMAKKT, previously VAHAVA); analysis of public participation in science and technology policy making.

The institute hosts the database of the public body members of the Hungarian Academy of Sciences, which contains the essential personal and professional data of about 12,000 scientists in Hungary and the neighbouring countries (Hungarian scientists abroad). As a new initiative, a publication database of the above-mentioned public body members has been set up at the institute.

The Art Collection of the Academy

Address: H-1051 Budapest, Roosevelt tér 9

Telephone: (36-1) 411-6489

Contact persons: **András, Edit** and
Papp, Gábor György

The Art Collection, located in the exhibition rooms of the former Esterházy Gallery on the third floor of the Academy, contains portraits, landscapes, historical genre paintings, archaeological drawings, as well as the noted 19th-century gynaecologist Gyula Elischer's Goethe Collection, and the fine art objects of the Széchenyi Museum. The richest donation to this collection was made by Count István Széchenyi. (Some pieces of the Collection now adorn the palace rooms.) The Art Collection is managed by the Institute of Art History of the Academy.

Office for International Co-operation

Address: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6130

Fax: (36-1) 411-6121

E-mail: jpusztai@office.mta.hu

Director: **Pusztai, János** C.Sc.

The main responsibilities of the Office are:

- to participate in the organisation, preparation and execution of the Academy's bilateral agreements on scientific co-operation;
- to create the conditions for participation in non-governmental scientific organisations (NGOs); to keep records on such memberships and membership fees;
- to organise conferences and other meetings of international character in Hungary;
- to make the operative arrangements necessary for provisional scientific missions abroad, as well as for participation in conferences abroad.
- to organise the reception of foreign researchers.

The Academy's Club Association

Address: H-1051 Budapest, Roosevelt tér 9

Telephone: (36-1) 338-2344

The Academy's Club is an independent legal entity within the organisation of the Academy, working on the principle of self-government. Its objective is to provide high-quality services for the most important actors of Hungarian scientific and economic life. The Club offers a nice environment for arranging meetings to promote the dialogue between the leading representatives of the Hungarian scientific community and social-economic life. It is also a convenient place for holding workshop meetings, discussions, and the scene of outstanding cultural programmes, including concerts. Its membership includes members of the Hungarian Academy of Sciences, members of the Széchenyi Academy of Arts, outstanding Hungarian scientists and scholars living abroad, as well as those members of the Academy's Public Chamber who hold a degree.

Leading officials of the Club's governing body:

Chair: **Vizi, E. Szilveszter** President of HAS

Founding chair: **Glatz, Ferenc** Past President of HAS

Co-chairmen: **Demjén, Sándor**

Huszt, Péter

The Scientists' Club

(of the Hungarian Academy of Sciences)

Address: H-1051 Budapest, Roosevelt tér 9

Telephone: (36-1) 411-6100

On the first floor of the Academy's Palace, the beautifully furnished and finely decorated premises of the Scientists' Club serve several purposes. In addition to functioning as a normal club, workshop meetings and discussions, even small conferences, and, occasionally, chamber-concerts are also held there.



8. OFFICIAL PUBLICATIONS OF THE HUNGARIAN ACADEMY OF SCIENCES

Aside from scientific books and journals published or sponsored by the Academy and its research network, there are two so-called "official" periodicals as well, namely:

Magyar Tudomány (Hungarian Science)

Editorial Office: H-1051 Budapest, Nádor u. 7

Tel/fax: (36-1) 317-9524

E-mail: matud@helka.iif.hu

Editor-in-chief: **Csányi, Vilmos** F.M.

Managing editor: **Elek, László** C.Sc.

A monthly journal which keeps track of and reports on international advancement, and particularly Hungarian achievements, in science and scholarship. It reports on the science policy and corporate activities of the Hungarian Academy of Sciences as the Public Body of the Hungarian scientific community, and serves as a forum for Hungarian scientists and scholars for expressing their views on scientific and science policy matters.

Akadémiai Értesítő

(Official Gazette of the Academy)

Editorial office: H-1051 Budapest, Nádor u. 7

Telephone: (36-1) 411-6195

E-mail: lhorvath@office.mta.hu

Editor: **Horváth, László**

It is the Academy's monthly gazette, edited by the Secretariat of the Hungarian Academy of Sciences. It publishes science and technology related and other relevant legislation by Parliament, government decrees and other legal rules. Its duties include the publication of the official texts of decisions and other rulings by the Academy's leaders and leading bodies. It also contains other official communication concerning the research network of the Academy, the awarding of degrees and announcements of grant competitions.





9. ACT XL OF 1994 ON THE HUNGARIAN ACADEMY OF SCIENCES

(Adopted by Parliament on 28 March 1994)

The Hungarian Academy of Sciences was established by the Nation in order to cultivate the Hungarian language and to serve science and scholarship.

It is a just demand by society that the freedom of this time-honoured national institution of Hungarian science and scholarship be endorsed and enlarged, its internal democracy be strengthened by legislation without, however, interfering with the autonomy of other institutions cultivating and representing science and scholarship.

**To achieve these ends, Parliament
passed
the following Act
On the Legal Status of the
Hungarian Academy of Sciences**

Section 1

(1) The Hungarian Academy of Sciences (hereinafter: the Academy) shall be an independent public-law association based on the principle of self-government and function as a legal entity. As such it shall perform public

obligations related to the cultivation, support, and representation of science and scholarship.

(2) This independent public-law association shall be constituted by the members of the Academy as defined by Section 9, as well as by other representatives of science who have a degree and contribute by their activities to solving the tasks of Hungarian science and scholarship.

Its members, other than academicians, shall exercise their rights through representation in the manner determined by this Act and the Statutes of the Academy.

Section 2

(1) The views of the Academy shall be obtained on any draft legislation directly affecting its activity as an independent public-law association, the professional work of its research centres, and original research.

(2) At the request of Parliament or the Government, the Academy shall give its opinion on issues relating to science, society, and the economy.

On the Responsibilities of the Academy

Section 3

(1) It shall be the right and duty of the Academy

(a) to support the cultivation of sciences, research, and the publication of scientific books and journals;

(b) to safeguard a high standard of public morale in the world of science and the freedom of scientific research and opinion;

(c) to regularly evaluate research results as well as to encourage and assist publication, dissemination, and utilisation thereof;

(d) to represent, within its sphere of responsibilities, Hungarian science and scholarship in Hungarian public life and at international forums.

(2) The Academy

(a) establishes and maintains research institutes for the cultivation of sciences and other institutions (library, archives, information system, etc.) for the performance of

its tasks; supports other organisations and organises scientific programmes as part of this activity;

(b) sets up, in the manner specified by its Statutes, scientific sections and committees with a view to greater efficiency in meeting professional standards;

(c) maintains contact with scientific societies and organises congresses and sessions;

(d) announces competitions and awards prizes in the interest of developing the individual branches of learning;

(e) maintains relations and concludes agreements with scientific institutions and organisations of other countries;

(f) may award the title of Doctor of the Hungarian Academy of Sciences, with the conditions for such award to be specified by special rules of the Academy;

(g) may participate, on the basis of agreements with higher educational institutions, in education and in doctoral (Ph.D.) training.

(3) The President of the Academy shall report to Parliament on the Academy's activities and the general situation of science in Hungary biennially.

(4) The President of the Academy shall inform the Government of the Academy's activities annually.

Section 4

(1) In carrying out its tasks, the Academy shall co-operate with higher educational institutions and other establishments of scientific research, ministries, and authorities with nation-wide competence. It shall be represented in the Council of Higher Education and Science.

(2) The Academy shall obtain the information necessary for the performance of its tasks as defined by law through the collection of voluntarily submitted data and through the transfer of data from other organs. Transfer of personal data shall be subject to the prior consent of the persons concerned.

On the Property and Finances of the Academy

Section 5

(1) Concurrently with the entry into force of this Act, the Academy shall acquire the ownership of the state-owned immoveables listed in the Annex hereto, as well as of the physical facilities and other assets required for the operation of the institutions located on those premises (original stock).

Section 6

The Academy shall constitute a separate chapter in the national budget, with allocations for the Academy's research institutes to form separate appropriation lines by branch of science as defined in Section 21 (1).

During the fiscal year such allocations shall not be rechannelled without Parliament's approval.

Section 7

The Academy's other sources of funds shall be constituted by

(1) receipts from the Academy's activity and profitable use of its assets;

(2) foundations, donations, and allocations for the promotion of the Academy's activity and development.

Section 8

(1) The Academy shall manage its property and other resources independently in the interest of performing its tasks. It shall decide on its own budget within the limits of the resources stated in Sections 6 and 7.

(2) Subject to the laws and regulations in force, the Academy shall hold the discretionary right to determine the forms of financial management of its organisations as well as the ways and means of supporting research, with due regard to the requirements of its responsibilities. Organisations other than economic associations (companies) shall be governed by the laws and regulations

applicable to national budget-dependent (publicly financed) organs.

(3) In accordance with the regulations on public finances, the Academy shall supply all information necessary to drawing up the national budget and preparing the account to be rendered of its implementation.

(4) The financial management of the Academy shall be subject to control by the State Audit Office.

Academics

Section 9

(1) The group of academicians shall consist of full and corresponding as well as external and honorary members of the Academy.

(2) Academicians shall be elected by full and corresponding members.

(3) The number of full and corresponding members under 70 years of age shall not exceed 200.

General Assembly

Section 10

(1) The Academy shall convene a General Assembly at least once a year to discuss major issues concerning science and scholarship and its own internal organisation and work.

(2) The General Assembly shall be constituted by full and corresponding members and other representatives of science with a degree. The latter shall be elected to the General Assembly by direct and secret ballot in the manner determined by the Statutes, their number shall be 200.

(3) All members of the General Assembly shall have equal rights in its work.

Section 11

(1) The General Assembly shall be convened by the President of the Academy, who shall also indicate the agenda thereof.

(2) The General Assembly shall likewise be convened when one-fifth of those entitled to vote at the Assembly so request in writing with an indication of its agenda.

Section 12

The General Assembly shall have a quorum if more than one-half of those entitled to vote at the Assembly are present.

Section 13

(1) The General Assembly shall adopt its resolutions by a majority of votes cast by those present and entitled to vote.

(2) A two-thirds majority of votes cast by those present and entitled to vote at the General Assembly, provided it has a quorum, shall be required for the adoption and modification of the Academy's Statutes.

Section 14

(1) The General Assembly of the Academy shall

(a) give its opinion on major issues of science and scholarship in Hungary;

(b) discuss and approve the account to be given to Parliament and the annual report to be presented to the Government;

(c) determine the science policy principles and programmes affecting the entire work of the Academy;

(d) adopt organisational and operational statutes (hereinafter: the Statutes) of the Academy;

(e) elect the Academy's President, Secretary-General and other officers as defined by the Statutes, the members of the Council of Doctors of the Hungarian Academy of Sciences and its representatives in CARU;

(f) adopt the Academy's budget within the framework of the State Finances Act and the Annual Budget Act, and

approve the annual account to be given of the budget on the basis of the report by the Supervisory Committee (para 1(h) hereof);

(g) decide, on the basis of the proposal of CARU on the establishment, reorganisation, or dissolution of the Academy's research institutes, units within the framework of the State Finances Act and the Annual Budget Act and, in this connection, approve the deed of foundation of the given institute to be countersigned by the President of the Academy;

(h) set up a Board of Trustees, other committees, including the Committee on the Ethics of Science and the Supervisory Committee to oversee the property administration and financial management of the Academy.

(2) . The principles governing alienation and encumbrance of immoveables owned by the Academy, their contribution as non-financial capital to foundations or economic associations, companies, or transfer of their use shall be determined by the General Assembly subject to the provisions of the Statutes.

(3) The powers of the General Assembly covered by paras (1) and (2) hereof, except for those stated in para 1 (a), shall not be delegated by the General Assembly to another organ or officer of the Academy.

On the President and the Secretary-General of the Academy

Section 15

(1) The President of the Academy shall be elected, on the proposal of Hungarian academicians, by the General Assembly from among full and corresponding members for a term of not more than 5 years and shall be confirmed in his/her post by the President of the Republic.

(2) The President shall be responsible to the General Assembly.

(3) The President shall be entitled to remuneration equal to that of ministers as well as to a basic leave of 25

working days and a supplementary leave of 15 working days per year.

(4) Matters not covered by this Act shall be governed, *mutatis mutandis*, by the provisions of Act XXIII of 1992 on the Legal Status of Public Servants (hereinafter: the Public Servants Act), with the exception of Sections 1 to 4, 8, 15, 23, to 36, 50 to 56 and Chapters VII and VIII.

Section 16

The Academy's activity shall be directed by the President in accordance with the resolutions and guidelines of the General Assembly. The President shall represent the Academy and exercise the rights conferred on him by the Statutes.

Section 17

(1) The Presidium is elected and functions in accordance with the relevant provisions of the Statutes and shall act as the advisory body of the President.

(2) The Presidium shall also perform such other functions as may be assigned to it by the General Assembly.

Section 18

(1) The Secretary-General shall be elected by the General Assembly from among full and corresponding members for a term of not more than 5 years. No person objected to by CARU shall be elected as Secretary-General.

(2) The Secretary-General shall be responsible to the General Assembly.

(3) The Secretary-General shall be entitled to a remuneration equal to the basic salary unit for public servants multiplied by 25,8, while the Deputy Secretary-General shall be entitled to ones equal to those multiplied by 19,35, both calculated without extra pay for foreign language knowledge. The President of the Academy has right to increase the remuneration of the Secretary-

General and the Deputy Secretary-General by at most 30 per cent, and he is entitled to settle their other benefits.

(4) Matters not covered by this Act in respect of the Secretary-General and the Deputy Secretary-General shall be governed, *mutatis mutandis*, by the provisions of the Public Servants Act, with the exception of Sections 1 to 4, 8, 15, 23 to 26, 50 to 56, 58, and Chapters VII and VIII.

Section 19

(1) The owner's rights of the Academy shall be exercised by the Secretary-General with the concurrence of the General Assembly in respect of the property of the Academy, subject in both cases to the restrictive provision of Section 14 (2). In this regard the Secretary-General shall represent the Academy and ensure the implementation of General Assembly decisions.

(2) Pursuant to General Assembly resolutions and the President's guidelines, the Secretary-General shall administer, in the manner defined by the Statutes, the secretarial organisation (Secretariat) assisting the Academy's collegiate bodies and CARU in their work. The Secretary-General shall act as the director of the secretarial organisation and exercise employer's rights in respect of the public servants thereof.

(3) The Secretary-General shall perform the duties of director of the organ supervising the utilisation of allocations in the chapter of the Academy in the national budget.

On the Research Institutes of the Academy

Section 20

(1) CARU shall be a body directing the operation of the Academy's research units.

(2) CARU shall have not more than 30 members, half of whom shall be elected by the General Assembly and the other half by the Academy's research institutes and units. The manner of electing delegates and the functioning and procedure of CARU shall be determined by the Statutes.

Proportionate representation of the individual branches of science shall be secured in the composition of CARU.

(3) The duties of chairman of CARU shall be performed by the Secretary-General of the Academy, who shall ensure the implementation of CARU decisions.

(4) In addition to its other responsibilities, CARU shall

(a) make proposals, on the initiative of the Boards of Trustees, for the establishment, reorganisation or dissolution of Academy's research institutes;

(b) present the annual estimates of budgetary support and investment allocations for each research institute and centre by branch of science on the basis of relevant proposals by the Boards of Trustees;

(c) discuss the report to be submitted to the General Assembly on the activities of research units.

Section 21

(1) CARU shall have three Boards of Trustees, each responsible for a major field of science (mathematics and inanimate natural sciences, life sciences, and social sciences, including humanities).

(2) The members of the Boards of Trustees shall be invited by CARU to serve on the Boards. The Statutes of CARU shall lay down rules of incompatibility concerning membership.

(3) The mandate of members of the Boards of Trustees shall be for a term of not more than 4 years.

The mandate may be extended once, with the conditions for extension to be specified by the Statutes of CARU.

(4) The Boards of Trustees shall determine the amounts of budgetary support and investment allocation for research institutes and units in their respective branches of science.

(5) The Boards of Trustees shall evaluate the activities of research units and shall communicate their findings to CARU.

Section 22

The Academy's research institutes shall be independent legal entities. They shall be independent in respect of both research and, within the limits defined by this Act, economic management. Their organisational and operational statutes shall be approved by CARU.

Section 23

(1) The activity of a research institute shall be administered by a Scientific Council or, in co-operation with another collegiate body of the institute, a Director.

(2) The Director shall be appointed on a competitive basis by the President of the Academy on the proposal of CARU for a term of not more than 5 years.

(3) The views of the institute's research community, to be expressed by secret ballot as regulated by the institute's statutes, shall be obtained for the appointment of the Director.

Section 24

The resources for the maintenance, operation and development of the Academy's research institutes shall be constituted by

(a) allocations set apart for research institutes in the chapter of the Academy of the national budget;

(b) funds made available by CARU from other resources of the Academy;

(c) receipts from different sources and projects commissioned under contract.

Section 25

(1) Research institutes may engage in entrepreneurial activities without jeopardising their basic lines of work as specified in their respective deeds of foundation and in accordance with their respective bylaws. Such activities shall be financially separated from budget-financed research.

(2) Subject to para 1 (g) of Section 14, the Academy's research institutes may merge with each other or with

higher educational institutions and establish associated status with universities and university centres, while retaining their independence, for the purpose of doing research, carrying out educational tasks and making better use of their resources.

(3) Merger or associated status for purposes of research and education may also be proposed by research institutes.

Section 26

(1) Except for employees of economic associations (companies), staff members of the Academy's research institutes, research units, and institutions shall be subject to the provisions of Act XXXIII of 1992 on Civil Servants.

(2) Researchers at the Academy's research institutes shall work in accordance with their convictions. They shall not be compelled to engage in any activity contrary to such convictions, and they may freely publish their results without prejudice to the legal rights of others.

Transitory, Miscellaneous, and Closing Provisions

Section 27

(1) The Council of Doctors of the Hungarian Academy of Sciences (hereinafter: Council of Doctors) may award the title of "Doctor of the Hungarian Academy of Sciences" (hereinafter: Doctor of the Academy) to persons with an outstanding record of academic achievements and degree, who satisfy the conditions for obtaining this title.

(2) The title referred to in para (1) may be awarded following a doctoral procedure to be started on the candidate's application. The procedure shall be started and the title awarded by the Council of Doctors.

(3) The conditions for obtaining the title of Doctor of the Academy and the detailed rules of the doctoral procedure shall be laid down in special regulations by the Academy.

(4) Persons awarded the title of Doctor of the Academy may be granted a fee, with the amount of the fee and the conditions and duration of its payment to be determined by government decree.

Section 28

In its basic regulations the Council of Doctors may declare that the Doctor of Science degrees awarded prior to this Act, as well as accepted foreign degrees, are equivalent to the title of the Doctor of the Academy.

Section 29

(1) The Council of Doctors shall, on the day of its establishment, decide on the termination of the mandate given to the Academic Qualification Committee by Government Decree No. 1036/1991. (VII.31.) as amended by Government Decree No 1041/1992. (VIII.3.).

(2) On its establishment the Council of Doctors shall take over from the Academic Qualification Committee any pending matters of academic qualification and shall ensure conclusion of their consideration by adopting decisions on their merits.

(3) No new applications may be submitted to the Council of Doctors for either the Doctor of Science or the Candidate of Science degrees. Such applications shall be rejected by the Council of Doctors for lack of competence.

(4) ...

(5) The Council of Doctors shall decide on the acceptance of foreign degrees in cases where such degrees may be recognised as equivalent to the title of Doctor of the Hungarian Academy of Sciences. From the day of its establishment the Council of Doctors shall proceed in pending matters accordingly.

Section 30

(1) The scientific and scholarly achievements of Hungarian academicians in their respective fields of learning may be rewarded by the Academy by a payment of monthly fees as well. Such fees shall be due to



