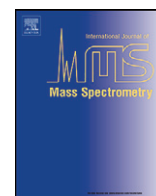




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Curriculum Vitae Zdenek Herman

Personal data

Born 24 March, 1934 (Libušín, Czech Republic).

Married since 1960, wife Bozena Hermanová-Urbancová (1936), 2 daughters: Jana (1963) and Eva (1967).

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Title:

RNDr., DrSc., University Professor

Current position and address:

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Education:

1944-52 Gymnasium, Kladno

1952-57 Faculty of Mathematics and Physics, Charles University, Prague

Qualifications:

1957 Diploma: Charles University, Prague (physical chemistry and radiochemistry)

1963 CSc., Czechoslovak Academy of Sciences (kinetics of reactions of metal ions)

1963 RNDr.(Doctor of Natural Sciences), Charles University, Prague

1984 DrSc., Czechoslovak Academy of Sciences (dynamics of reactions of ions)

1992 Habilitation, Charles University, Prague

1996 Professor of Physical Chemistry, Institute of Chemical Technology, Prague

Positions held:

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences (since 1972 J. Heyrovský Institute of Physical Chemistry and Electrochemistry, since 1993 J. Heyrovský Institute of Physical Chemistry, Academy of Sciences of the Czech Republic)
 - 1957 - 63 Research Assistant
 - 1963 - 68 Junior Scientist
 - 1968 - 84 Scientist
 - 1984 - Senior Research Fellow
 - 1984 - Department Head, Research Team Head
 - 1989 - 91 Deputy Director of the Institute
 - 1989 - 01 Member, Scientific Council of the Institute
 - 1995 - 97 Head, Department of Chemical Physics
 - 1997 - 99 Head, Scientific Council of the Institute
 - 2000-2005 Head, Department of Chemical Physics, J. Heyrovský Institute
2. 1992: Associate Professor (Docent) of Physical Chemistry, Charles University, Prague
3. 1993: Honorary Professor of Ion Physics, Leopold-Franzens Universität, Innsbruck, Austria
4. 1996: Professor of Physical Chemistry, Institute of Chemical Technology, Prague

Research Interests:

- 1954–57 Radiochemistry (analytical applications)
- 1957–60 Mass spectrometry and its applications
- 1960–65 Kinetics of ion-molecule reactions; charge transfer processes; Penning ionization
- 1965 - Molecular reaction dynamics, elementary collision processes and their mechanisms; scattering of ions; cluster ions; ion-surface interactions

Temporary positions abroad:

- 1964–65 Post-Doctoral Fellow, Yale University, New Haven, CT, U.S.A.
- 1966 Research Associate, Yale University, New Haven, CT, U.S.A.
- 1968–69 Visiting Professor, University of Colorado, Boulder, CO, U.S.A.
- 1980 JILA Fellow and Visiting Professor, University of Colorado, Boulder, CO, U.S.A.
- 1984 Visiting Scientist, Institute for Molecular Science, Okazaki, Japan
- 1985 SFB Gast Wissenschaftler, MPI Strömungsforschung, Göttingen, Germany
- 1986 Royal Society Exchange Scientist, Royal Society Research Unit, University College of Swansea, Swansea, U.K.
- 1987 Professeur Associé, L.C.A.M., Université de Paris-Sud, Orsay, France
- 1989 Gast Professor, Leopold-Franzens Universität Innsbruck, Innsbruck, Austria (also 1992, 1994)
- 1989 SFB Gast Wissenschaftler, MPI Strömungsforschung, Göttingen, Germany
- 1990 SFB Gast Wissenschaftler, Universität Kaiserslautern, Kaiserslautern, Germany
- 1993–97 Visiting Professor, The University of Chicago, Chicago, IL, U.S.A.
- 1992–97 Alexander-von-Humboldt Research Award Fellow, MPI Strömungsforschung, Göttingen, Germany
- 2001 JILA Visiting Fellow, University of Colorado, Boulder, CO, U.S.A.

Other activities:

- 1975–80 Czechoslovak Representative on EPSEAC (European Physical Society, Section on Electronic and Atomic Collisions)
- 1979 - Chairman, Section of Chemical Physics, Czech Chemical Society
- 1985–90 Member, Governing Board, Czechoslovak Spectroscopic Society
- 1985 - Member, Committee for Doctoral (DrSc) Dissertations in Chemical Physics
- 1986–88 Participation in the Intercosmos Space Project PHOBOS
- 1988- Collaboration with the International Atomic Energy Agency, Vienna (IAEA Panels on Atomic and Molecular Data)
- 1990–02 Chairman, Committee for CSc Dissertations in Chemical Physics
- 1990–92 Chairman, Scientific Collegium of Chemistry, Czechoslovak Academy of Sciences
- 1990–92 Vice-President, Grant Agency of the Czechoslovak Academy of Sciences
- 1990–01 Member, National Committee for Chemistry of the Czech Republic
- 1990 - Member, International Steering Committee of the European Conference on Dynamics of Molecular Collisions MOLEC
- 1991 - Member, Working Group for Chemistry of the Accreditation Committee of the Government of the Czech Republic
- 1993–99 Member, Committee for Chemistry, Grant Agency of the Czech Republic
- 1997–01 Member, Scientific Council of the Academy of Sciences of the Czech Republic
- 1999 Deputy Chairman, Committee for Doctoral (DrSc) Dissertations in Physical Chemistry and Chemical Physics
- 2003–06 Vice-President (Conference) of the International Mass Spectrometry Society, Chairman of the 17th International Mass Spectrometry Conference, Prague, 2006
- 2007- Member, Committee for awarding the Czech Prize “České hlavičky” for high school students

Editorial Board of Journals:

- 1982–97 *International Journal of Mass Spectrometry and Ion Processes*
- 1983–97 *Chemical Physics Letters*
- 1983–95 *Chemical Physics*
- 1987–94 *Rapid Communications in Mass Spectrometry*
- 1990–93 *Molecular Physics*
- 1990 - *Vesmír* (Czech popular science journal)
- 1991–94 *Accounts of Chemical Research*
- 1996–02 *Chemical Society Reviews*

Awards and Distinctions:

- 1972,1975,
- 1977,1982 Research Award, Czechoslovak Academy of Sciences
- 1980 Joint Prize of the Czechoslovak Academy of Sciences and the Academy of Sciences of German Democratic Republic for research in reaction dynamics
- 1980 JILA Visiting Fellow (Joint Institute for Laboratory Astrophysics), University of Colorado, Boulder, CO
- 1987 Special Award of the Czechoslovak Academy of Sciences
- 1989 Marcus Marci Medal of the Czechoslovak Spectroscopic Society
- 1992 Alexander von Humboldt Research Award (Germany)
- 1994 E. Schrödinger Award of the Symposium on Atomic and Surface Physics
- 1995 Special Honorary Issue of the *Journal of Physical Chemistry* for 60th birthday (*J.Phys.Chem.* 99, No.42, 1995).
- 2001 JILA Visiting Fellow, University of Colorado, Boulder, CO
- 2003 National Prize “Czech Head 2003” (Main Prize for Life Achievements)