

Gerry G. Meisels

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EDUCATION

Gymnasium, Vienna (Austria) 1941-49

University of Vienna, Chemistry, 1949-51; 1952-53

University of Notre Dame, Physical Chemistry, M.S. 1952, Ph.D. 1956

EMPLOYMENT HISTORY

Gulf Oil Corporation, Pittsburgh, PA, 1956-59, Chemist, 1956-59

Union Carbide Corporation, Tuxedo, NY, 1959-65

Chemist, 1959-63, Assistant Group Leader, 1963-65

University of Houston, Houston, TX, 1965-75

Associate Professor, 1965-70, Professor, 1970-75, Chairman 1972-75

University of Nebraska, Lincoln, NE, 1975-88

Professor and Chair, Department of Chemistry, 1975-82

Dean, College of Arts and Sciences, 1982-88

University of South Florida, Tampa, FL, 1988 to present

Professor of Chemistry, 1988 to present

Provost and Vice President for Academic Affairs, 1988-94

Director, Coalition for Science Literacy, 1994 to present

HONORS

Fulbright Fellow

Smith-Mundt Fellow

Science Research Fellow (UK)

Danforth Foundation Fellow

Gordon Conference Chair

Phi Beta Kappa

American Chemical Society National Science Policy Award 2001

BIOGRAPHICAL LISTINGS:

Who's Who in America

Who's Who in the South and Southwest

Who's Who in Science

American Men and Women of Science

PROFESSIONAL

Florida Coalition for Improving Mathematics and Science Education (CIMS)

1998-present; Chairman, 1998-present; Interim Executive Director 1999-

Florida Higher Education Consortium for Mathematics and Science (HEC)

1994-present; Chairman, 1998-2000; Board member 1995-98, 2001-

National Alliance of State Science and Mathematics Coalitions (NASSMC)

Board of Directors, 2000-present

Council of Scientific Society Presidents (CSSP), 1984-1995

Council Chair, 1991, Executive Board, 1988-92

Chair, Committee on Government Affairs, 1986-90, 1992

Chair, Task Force on Priorities in the Sciences, 1992-93

American Society for Mass Spectrometry (ASMS), 1969-

President, 1986-88; Vice President, 1984-1986, Director 1988-1990

Council for Chemical Research (CCR), 1979-1988

Board of Directors, 1982-84

American Chemical Society (ACS), 1952-

Chair, Committee on Economic Status, 1980-1983

Chair, Southeast Texas Section, 1975

Society of the Sigma Xi, 1955 to present

President, University of Houston Chapter, 1974-1975

PUBLICATIONS

104 papers in reviewed journals

Relevant Education Publications

"Science Literacy and Science Education", G. G. Meisels, Newsline of the National Association of State Universities and Land-Grant Colleges, Washington, D.C., October 1994, Vol. 3, No. 9

"Science Teaching Leads Education Reform", G. G. Meisels, INSIDE USF, (1995)

"Developing a Regional Approach to Non-Majors Science Courses", G. G. Meisels, H. R. Mushinsky and M. T. Stewart, Seventh National Conference On College Teaching And Learning, Jacksonville, FL, March 20, 1996

Science That Matters Volume I. R. L. Potter and G. G. Meisels, Editors, White Oaks Press, Thonotosassa FL (2001)

"Science That Matters – An Overview". R. L. Potter and G. G. Meisels, in *Science That Matters Volume I*. R. L. Potter and G. G. Meisels, Editors, White Oaks Press, Thonotosassa FL (2001); page STM1

Science That Matters Volume II. R. L. Potter and G. G. Meisels, Editors, Kendall/Hunt (2003)

"Enhancing Teacher Preparation and Improving Faculty Teaching Skills: Outcomes and Lessons Learned from Implementing "Science That Matters" a Standards Based Interdisciplinary Science Course Sequence" Robert Potter and Gerry Meisels, *Journal of Science Education and Technology* ISSN: 1059-0145 (paper) 1573-1839 (Online) Volume 14, Number 2' June 2005; Pages: 191-204

"Why Teachers Leave: Factors that Influence Retention or Resignation", G. Kersaint, J. Lewis, R. Potter and G. G. Meisels, *Teaching and Teacher Education* (2006) in press

Other Publications (Representative of 98 additional publications in Chemistry)

"The Unimolecular Decomposition Rates of Energy Selected Methyl Nitrite and Deuterated Methyl Nitrite Ions," J.P. Gilman, T. Hsieh and G.G. Meisels, *J. CHEM. PHYS.* 78, 3767 (1983) invited paper

"Lifetime of Energy-Selected Molecular Ions Above Fragmentation Onset," T. Nishimura and G.G. Meisels, *Advances In Mass Spectrometry*, 1985, Part B. 1189-90

"Unimolecular Dissociation of Energy-Selected Methyl Formate Ion," T. Nishimura, Q. Zha, and G.G. Meisels, *J. CHEM. PHYS.* 87, 4589-4597 (1987)

"Reactions of Ions with Selected Internal Energies," G.G. Meisels, *Proceedings Of The Second Japan-China Joint Symposium On Mass Spectrometry*, H. Matsuda and X. Liang, Editors, (1987) p. 97, invited paper

"Unimolecular Dissociation of Energy-Selected Ethyl Formate Ions" Q. Zha, T. Nishimura and G.G. Meisels, *International Journal of Mass Spectrometry and Ion Processes* 120, 85-101, (1992)

FUNDED RESEARCH

Science subjects:

- Analytical and Fundamental Mass Spectrometry
- Radiation Chemistry
- Chemistry of Gas Phase Ions

Supported by NSF, Department of Energy, others from 1963 to 1986

Total funding approximately \$1,500,000

Education subjects:

- Teacher characteristics, reasons for teacher turnover and strategies to reduce it: *Understanding Resignations: Science, Mathematics, and Reading Teachers (UR SMART)*, funded by the U.S. Dept. of Education, Multi-University Reading, Mathematics, and Science Initiative (MURMSI)
- Science college courses for elementary school teachers: *Science That Matters (STM)*, supported by NSF and Southwest Florida Water Management District
- Career change teachers' recruitment and support: *Mathematics and Science Teachers Recruitment, Alternative Certification, and Induction (MASTRACI)*, U.S. Dept. of Education; *Mathematics and Science Teachers Recruitment and Support (MASTERS)*, Florida Dept. of Education; and *Marketing of Science Teachers and Induction (MOSTI)*, U.S. DOE Fund for Improvement of Postsecondary Education)

Total funding: \$5,659,257 from 1995-present