

## Gerry G. Meisels

Professor of Chemistry and Director, Coalition for Science Literacy, University of South Florida  
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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

### RESEARCH

110 papers in reviewed journals  
Science research included Analytical and Fundamental Mass Spectrometry, Radiation Chemistry and Chemistry of Gas Phase Ions;  
Education research subjects include teacher characteristics, reasons for teacher turnover and science college courses for elementary school Teachers.

### EDUCATION

Education improvement projects on professional development, induction, teacher recruitment, science college courses, statewide planning and initiatives

### HONORS

Fulbright Fellow  
Science Research Fellow (UK)  
Gordon Conference Chair  
American Chemical Society National Science Policy Award 2001  
Smith-Mundt Fellow  
Danforth Foundation Fellow  
Phi Beta Kappa

### BIOGRAPHICAL LISTINGS:

Who's Who in America  
Who's Who in Science  
Who's Who in the South and Southwest  
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-, Vice President 2006-08, President 2008-2010  
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), 1969-1999  
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** 95 publications in Chemistry and 15 on Education; list of selected publication follows

**Relevant Publications** (Representative of 15 on Education)

- "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 I (2nd ed.)". R. L. Potter and G. G. Meisels, Editors, Kendall/Hunt (2003)
- "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 23, 775-998, August 2007
- "Florida's Science Standards – How Do They Measure Up" (Editorial) G. G. Meisels and R. L. Potter, Tampa Tribune, March 17, 2006
- "Science Education in Florida" G. G. Meisels, R. L. Potter, and T. Baird, The Florida Humanist Journal 1, 4 (2007)

**Other Publications** (Representative of 95 in Chemistry)

- "The Unimolecular Decomposition Rates of Energy Selected Methylnitrite and Deuterated Methylnitrite 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, Int. J. Mass Spec. and Ion Processes 120, 85-101, (1992)

Recent Grants and Contracts: (related to education)

- 2008 FDOE Mathematics and Science Partnership "Partnership to Rejuvenate and Optimize Mathematics and Science Education (PROMISE)." Gladis Kersaint, PI, Bruce Jones and Gerry Meisels, Co-PIs, University of South Florida, 1/1/08-12/31/08. \$8,000,000.
- 2007 Florida Center for Research in Science, Technology, Engineering and Mathematics at Florida State University. "External Evaluation of Florida's 10 Science Partnership Projects". Gerry Meisels, PI, Robert Potter, Co-PI, University of South Florida. 7/1/2007-8/30/2008, \$471,280.
- 2006 USDOE Fund for Improvement of Postsecondary Education (FIPSE). "Marketing of Science Teachers and Induction (MOSTI). Robert Potter, PI, Gerry Meisels, co-PI, University of South Florida; Andi Ringer, co-PI, School District of Hillsborough County; and Judith Lombana, co-PI, Museum of Science and Industry. 10/1/06-9/30/2009, \$568,799

- 2005 Florida Department of Education National Title IIB Mathematics and Science partnerships  
 “Mathematics and Science Teacher Recruitment and Support (MASTERS): Recruitment Preparation Support and Retention of Alternative Entrant Teachers. Gerry G. Meisels, PI, Robert L. Potter and Gladis Kersaint, co-PIs, University of South Florida; Barbara Anderson, co-PI School District of Hillsborough County, and Judith Lombana, co-PI, Museum of Science and Industry. 4/30/05-6/30/06 \$1,042,994
- 2004 USDOE-Florida MULTI-University Reading, Mathematics And Science Initiative (MURMSI) For Phase II Pilot Study Understanding Resignations of Science Mathematics And Reading Teachers (UR-SMART P2). Gerry G. Meisels, PI, Jennifer Lewis, and Robert Potter co-Principal Investigators; University of South Florida, Roger O’Brian Polk Co. Schools; 10/11/04-12/15/05, \$149,178
- 2004 National Science Foundation “Florida Summit on Science and Mathematics Education” Gerry G. Meisels, PI, Robert Potter, co-PI University of South Florida and Florida Coalition for Improving Mathematics and Science Literacy, Marsha Winegarner, co-PI, Florida Department of Education, Penny Haskins, Radiation Technologies, Inc. and Florida Coalition for Improving Mathematics and Science Literacy, 10/1/04-9/30/06, \$157,798
- 2003 USDOE-Florida MULTI-University Reading, Mathematics And Science Initiative (MURMSI) Pilot Study Understanding Resignations of Science Mathematics And Reading Teachers (UR-SMART). Gerry G. Meisels, PI, Jennifer Lewis and Robert Potter co-PIs; University of South Florida, Marian Lauria-Davis and Barbara Anderson, co-PIs School District of Hillsborough County, Kim Swartzel co-PI Pinellas County Schools; 11/1/2003-4/30/2005, \$154,116
- 2002 NSF (DUE 0231179) “Science That Matters”: A Standards Based Interdisciplinary Science Course for Non-Science Majors and Future Elementary School Teachers-Instructional Material Upgrade and Multi-site Implementation. R. Potter PI, B. Cochrane, D. Zeidler and G Meisels co-PIs 2/1/03-1/31/06 \$104,269
- 2002 US Dept. Education “Mathematics and Science Teacher Recruitment, Alternative Certification, and Induction (MASTRACI)”, Hillsborough County Schools, The Tampa Museum of Science and Industry and the University of South Florida, G. Meisels PI, R. Potter, J. Lombana and N. Marsh co-PI’s; 10/01/02 – 9/31/06 \$1,265,520