

## **MARGARET A. TOLBERT**

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### **EDUCATION:**

June 13, 1986	Ph.D. in Chemistry California Institute of Technology Pasadena, CA 91125
Dec. 17, 1985	M.S. in Chemistry University of California Berkeley, CA 94720
May 22, 1979	A.B. with Honors in Chemistry Grinnell College Grinnell, IA 50112

### **RESEARCH EXPERIENCE:**

2020 - present	Associate Director, CIRES
2010 – present	Distinguished Professor, Dept. of Chemistry
1998 - present	Professor, Dept. of Chemistry, Univ. Colorado
1991 - 1998	Associate Professor, Dept. of Chemistry and Biochemistry, CU
1990 - 1991	Leader, Atmospheric Chemistry Group, SRI International
1986 - 1991	Staff Scientist in the Chemistry Laboratory, SRI International
1983 - 1986	Research Assistant with Prof. J.L. Beauchamp at Caltech
1979 - 1983	Research Assistant with Prof. J.H. Clark at the University of California, Berkeley.

### **TEACHING EXPERIENCE:**

2015-present	Air Chemistry and Pollution, ATOC 3500 / CHEM 3151
1992-present	Atmospheric Chemistry, graduate level CHEM 5151
1992-present	Env Chem I and II, for non-science majors, CHEM 1011/1031
2005	Atmospheric Aerosol Discussions
June 1991, 93, 99	Lecturer, Summer Colloquia for students in the atmospheric sciences, ACD/Advanced Study Program, NCAR.
1988 - present	Presented 144 lectures at universities and conferences.
1986 - 1987	Consulting Assistant Professor, Stanford University

## ***STUDENT MENTORING:***

In the past 30 years, research in the Tolbert group at CU has focused on laboratory studies of water, clouds and aerosols relevant to Earth, Mars, Titan and Venus. A focus of this work has been to characterize the chemical and physical properties of particles in a wide range of environmental conditions to learn more about the atmosphere, climate, and habitability of our planet and distant worlds. Thirty-nine students have earned PhDs with Prof. Tolbert performing research on these topics. These early-career scientists are now doing postdocs, working in industry, government laboratories including NASA, EPA, and DOE and in their own independent faculty careers at universities and colleges.

## ***SELECTED HONORS AND AWARDS:***

College Scholar Award, University of Colorado (2020)  
Keynote Lecture, IGAC (2018)  
NASA Group Achievement Award, MSL Extended Mission Science Team (2017)  
Astrobiology High Impact Article (2016)  
ACS Editor's Choice Award (2014)  
Harold S Johnston Lecturer, UC Berkeley (2011)  
Distinguished Professor, University of Colorado (2010)  
Carnegie Capital Science Evening Lecturer (2009)  
ACS National Award for Creative Advances in Environmental Science (2009)  
Frontiers in Science Lecturer, University of Iowa (2008)  
Winter Commencement Speaker, University of Colorado (2007)  
Doctor of Science *honoris causa*, Grinnell College (2007)  
Hazel Barnes Prize, University of Colorado (2007)  
Guggenheim Fellowship (2005)  
Elected to the National Academy of Sciences (2004)  
NASA Group Achievement Award, Crystal-Face Science Team (2003)  
NASA Group Achievement Award, SOLVE Experiment (2001)  
BFA Award for Excellence in Research, Scholarly and Creative Work (2001)  
Camille Dreyfus Teacher-Scholar (1994)  
James B. Macelwane Medal, American Geophysical Union (1993)  
Fellow, American Geophysical Union (1993)  
National Science Foundation Young Investigator (1992)  
NSF Panelist, "Middle Atmosphere Science Initiative" (1992)  
GRL Editor's Citation for Excellence in Refereeing (1991)  
Fellow, Cooperative Institute for Research in Environmental Sciences (1991)  
AAAS Newcomb Cleveland Award (1987 - 1988)  
NSF Panelist, "Chemistry and the Environment" (1988)  
Graduate Teaching Award, Caltech (1985)  
Shell Companies Foundation Fellowship (1983)  
Chancellor's Patent Fund Award, U.C. Berkeley (1979 - 1980)  
Award to Outstanding Chemistry Graduate, Grinnell College (1979)  
Phi Beta Kappa, Grinnell College (1978)  
National Science Foundation Summer Fellowship, Ohio State University (1978)