

Gail H. Marshall, Ed.D.

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### **Academic Degrees**

B.S. Biol., FL State Univ., 1962; M.S.T. Zoology, Univ. of FL 1964; Ed.D. Curric./Instruction, Univ. of FL, 1970.

### **Professional Experiences**

Lecturer, Department of Early Learning and Childhood Education, UWG, August 2010-present

Assistant Professor, Department of Curriculum and Instruction UWG, 2003-May 2010

Consultant, Self-employed; Professional Development for Math and Science, 2003-present

Georgia Virtual School, Georgia Department of Education, Online Instructor, 2003-2008

Science Dept Chair/Sci. Teacher/ Sci Resource Teacher, Douglas Co. Schools, Georgia 1979-2003

Science Coordinator, Douglas County Schools, Douglasville, Georgia, 2000-2002

Adjunct Instructor, Department of Curriculum and Instruction, UWG, 1986-2000

Co-owner/Administrator, Montessori School, Douglasville, Georgia, 1976-1980

Science Teacher, Carteret County Schools, Morehead City, North Carolina, 1972-73.

Research Assoc., School of Public Health, Dept of Env. Sciences, Univ of NC, 1969-1971

Sci. Dept. Chair/Teacher, Carteret County Schools, Morehead City, North Carolina, 1966-67/1967-1969.

Science Teacher, Manatee County Schools, Bradenton, Florida, 1962-1963

### **Selected Professional Association Memberships**

National Science Teachers Association

Georgia Science Teachers Association, President 2004-05, Director 2005-06; Univ/Coll Rep 2008-2010, Legislative Chair 2004-2010

American Association of University Professors

Georgia Environmental Education Association

Phi Delta Kappa, President West Georgia Chapter 2008-present

### **Selected Publications and Creative Works**

Contributed Chapter Six ("Student Centered, Active Learning Pedagogies in Chemistry Education") in: Basu-Dutt, S. (2010). *Making Chemistry Relevant: Strategies for Including All Students in a Learner-Sensitive Environment*. New Jersey: John Wiley & Sons, Inc:

"Getting To Know Your Watershed," *The Georgia Science Teacher*, Spring 2004.

"Your Link to Science Across the Nation," *The Georgia Science Teacher*, Fall 2003.

"Recommendations for Environmental Education in Georgia" for the Georgia Conservancy, April 1998.

*Environmental Resource Guide*. (co-author Elaine Wood), GA Dept. of Education, 1994.

*Gifted Education Resource Guide*. (co-author Peggy Baugh) GA Dept. of Education, 1994.

*Science, Technology, and Society*. Resource Manual. GA Dept. of Education, 1988.

### **Other Professional Activities**

Advisory Board, REACH, Early College Program of Carroll Co. Schools & Univ. of West Georgia, 2008-2010

Legislative Chair, Georgia Science Teachers Association, 2008-2010

Past College Representative and District III Director, Georgia Science Teachers Association

Past Boards: Friends Sweetwater Creek St Park; Upper Chattahoochee Riverkeeper; The GA Conservancy,

State Boards: GA Youth Science and Technology Centers and GA Environmental Education Alliance

Past Co-Editor, *The Georgia Science Teacher*.

Past Co-Chair, Science Advisory Board, Georgia Dept. of Education

### **Selected Grants and Awards**

Communicating & Analysis of Student Experiences in the Phys. Sci. – Improving Teacher Quality Grant, 2010-2012.

Environmental Education: A Model Problem-Based (PBL-S3) Investigation, 2010-2012.

Incorporating Inquiry/ Nature of Science in Elementary Classrooms – Improving Teacher Quality Grant, 2009-2011.

Integration of Technology in Middle/Secondary Math/Science – Improving Teacher Quality Grant, 2009-2011.

IMPACT (Improving Motivation, Performance and Attitudes of Children and Teachers) Grant. 2008-2011.

High School Chemistry: A Contextual & Inquiry Based Approach – Improving Teacher Quality Grant, 2008-2010

Invitations to Inquiry for Elementary School Teachers – Improving Teacher Quality Grant, 2007-08, 2008-09

Excursions in Inquiry for Elementary and Middle school Teachers – Improving Teacher Quality Grant, 2006-07

SC2001 Supercomputing Conference. 18 month program (2001-2002) on computer simulation and modeling.

Higher Education Eisenhower Grant, Georgia Institute of Technology, 1992-1995, 2000-2002..

"Eco-Bridge" U.S.-Russian Environmental Exchange Program, Educ and Env studies; 1996 and 1997.

Tandy Technology Scholar, National Recipient, 1992; McGraw Hill/Newsweek Nat' Science Teaching Award, 1992.