

Claudia T. Melear
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Education

Doctor of Philosophy, 1989 Science Education, The Ohio State University, Columbus, Ohio
Master of Education, 1984 Science & Gifted Education, Georgia State Univ., Atlanta, Georgia
Bachelor of Science, 1977 with Honors in Biology, Georgia State University, Atlanta, Georgia
Senior Research Project: Isolation of osmophilic fungi and inoculation of an osmophilic
Penicillium sp. on three mascaras. Research Advisor: Dr. Donald G. Ahearn
Associate of Arts, 1975 First Honors Day Program, Clayton Junior College, Morrow, Georgia

Professional Experience

The University of Tennessee, Knoxville

Theory and Practice in Teacher Education, Associate Professor August 1999-Present

Ed. in Science, Math, Research, & Technology, Associate Professor Aug 1996-1999

Since 1999, Dr. Melear took over 100 preservice and inservice teachers to Ossabaw Island for coursework or workshops. Viewed at <http://web.utk.edu/~ctmelear/ossabaw>

East Carolina University, Greenville, NC 1989 – 1996

Department of Science Education, Assistant Professor

The Ohio State University 1985 - 1989

General Biology, College of Education, Instruction & Research Computer Center

Graduate and Research Assistant,

M. D. Collins High School, Fulton County, Georgia 1978 - 1985

Teacher of Biology: 1978-1982 Teacher of Gifted in Science: 1982-1985

While a teacher in high school, Claudia Melear took students and faculty on thirteen field trips to ocean locations in Georgia, Florida, and the Cayman Islands.

Selected Publications

Melear, C. T., Goodlaxson, J. D., Hickok, L.G., & Warne, T. W. (2000). Teaching preservice teachers how to do science: The research experience. *Journal of Science Teacher Education* 11 (1):77-90.

Melear, C. T. (1999). Middle and secondary science teacher opinions about working in scientists' laboratories during preservice preparation. *Electronic Journal of Science Education*. December. [<http://unr.edu/homepage/crowther/ejse/melear.html>.]

- Melear, C. T. & Alcock, M. W. (1999). Learning styles and personality types of African American children: Implications for science education. *Journal of Psychological Type*, 48: 22-33.
- Hickok, L., Warne, T., Baxter, S., & Melear, C. (1998). Sex and the C-Fern: Not just another life cycle. *Bioscience*, 48 (12):1031-1037..
- Melear, C. T., Hickok, L. G., Warne, T. R., & Goodlaxson, J. D. (1998). Responses of preservice secondary science teachers to learning science in an apprenticeship: The research experience (RE). In J. B. Robinson and R. E. Yager (Eds.), *Translating and using research for improving teacher education in science and mathematics* (pp. 26-35). The Final Report from the OERI-funded Chautauqua ISTEP Research Project. The University of Iowa.
- Melear, C. T. (1995). Learning styles of African American children and problems faced by African American females. In D. Baker & K. Scantlebury (Eds.), *Science "Coeducation": Viewpoints from Gender, Race and Ethnic Perspectives* (Pp. 66-79. Art White Secretary, The Ohio State University. Columbus, OH: National Association for Research in Science Teaching.
- Melear, C. T. (1995). Marine education: A graduate course for teachers. *School Science and Mathematics*, 95, 178-181.
- Melear, Claudia T. (1995). Multiculturalism in science education. *The American Biology Teacher*, 57, 21-26.
- Melear, C. T. (1994). Creativity and inventiveness in science: A course for teachers. *Journal of Science Teacher Education*, 4(4), 137-143.
- Lennon, A., and Melear, C.T. (1994). Matching and mismatching preservice teachers' learning styles: Keys to educating for individual differences. *Journal of Elementary Science Teacher Education*, 6(2), 31-51.
- Melear, C. T. and Bostick, L. (1985). Mucking about. *The Science Teacher*, 52(7),32-34.
- Melear, C. T. (1984). Science teaching insights: A laboratory aide training program. *The American Biology Teacher*, 46(2), 81-6.

Recent Grants

- Melear, Claudia T. 2001. *Patterns of Nature Studies on an Ocean Beach*. Tennessee Higher Education Commission. \$39, 355.