

BIOSKETCH
Carol D. Hanley, Ed. D
University of Kentucky
Environmental and Natural Resources Initiative
College of Agriculture
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EDUCATION AND TRAINING

- Ed.D., Curriculum and Instruction, 1997
University of Kentucky, Lexington, KY
Dissertation: *The effects of the learning cycle on the ecological knowledge of general biology students as measured by two assessment techniques.*
- Rank I, (Teacher Certification – 30 hours beyond Master’s Degree) Biology, 1986
Eastern Kentucky University, Richmond, KY
- M.S., Environmental Studies, 1980
State University of New York at Buffalo, Buffalo, NY
Thesis: *The use of silica-geothermometers to determine geothermal gradients in Central and Western New York.*
- B.A., Biology, 1978
State University of New York at Buffalo, Buffalo, NY

RESEARCH AND PROFESSIONAL EXPERIENCE

- **Associate Director, Environmental and Natural Resources Initiative, College of Agriculture**, University of Kentucky, Lex, KY, 2009 – present
Responsible for developing, implementing and coordinating outreach and engagement programs, professional development events for teachers and science education events for students
- **Associate Director, Tracy Farmer Institute for Sustainability and the Environment (TFISE)** (formerly Director of Education and Communications, Tracy Farmer Center for the Environment (TFCE)), University of Kentucky, Lex., KY, 2001 – 2012
Responsible for management and oversight of all TFISE programs
Responsible for developing, implementing and coordinating outreach and engagement programs, professional development events for teachers and science education events for students, Responsible for overseeing Scientific Advisory Board
- **4-H Cooperative Curriculum System, Curriculum Developer**, 2007 - 2008
Development of 4-H curriculum including forestry, GIS/GPS and food and culture

- **4- H Youth Development Extension Specialist and Associate Director of P-12 Environmental Education**, Tracy Farmer Center for the Environment, University of Kentucky, Lex., KY, 2001 – 2005
Responsible for statewide science and environmental education and evaluation programs, programming for 4-H, and statewide professional development for educators
- **Sciences Branch Manager, Kentucky Department of Education**, 1997 - 2001
Project manager for revision of Kentucky's *Program of Studies*, development of the *Implementation Manual for the Program of Studies*, and numerous curriculum projects including the development of units of study
- **Science Teacher, Biology**, Bryan Station High School, Lexington, KY, 1984 – 1997
Taught biology, chemistry, applied biology and chemistry
- **Environmental Consultant, Ecology and Environment Inc.**, Buffalo, NY, 1980 - 1983

PUBLICATION

Hanley, C., Davis H., & Davey, B. (2012). The impact of professional development in natural resource investigations using geospatial technologies. *Journal of Natural Resources and Life Science Education*, 41, 68–78.

SYNERGISTIC ACTIVITIES

- 1) Project partner of Partnership Institute for Mathematics and Science Education at UK
- 2) 4-H Cooperative Curriculum System, Curriculum Developer, 2007-08
- 3) Development of education curriculum framework for NASA
- 4) National Girls Collaborative Project/Kentucky Girls STEM Collaborative
- 5) Bluegrass Tomorrow Board Member
- 6) NAPE STEM Pipeline State Team Member

HONORS AND AWARDS

- Bluegrass Tomorrow, Robert Clay President's Award, 2012
- Distinguished Educator of the Year, Kentucky Science Teachers Association, 2012
- United Way of the Bluegrass, Excellence in Education, 2011
- Lexington-Fayette Environmental Commission, Environmental Award, 2007
- Kentucky Environmental Quality Commission, Earth Day Award 2004
- Outstanding Graduate Student, College of Education, University of Kentucky, 1997
- Ashland Inc., Golden Apple Award, 1997
- Outstanding Educator Award, Governor's Scholars Program, 1996
- Who's who among America's Teachers, 1994, 1996, 1997
- Fayette County Merit of Excellence Awards, 1993, 1995, 1997
- Tandy Technology Scholar, 1993