

Natalie Carroll

Bio-sketch

Natalie Carroll directs and supports informal youth studies, primarily through 4-H, in natural resources and the environment. 4-H projects and activities include: aquatic science, beekeeping, entomology, forestry, geology, soil & water conservation, shooting sports, sport fishing, weather, and wildlife. She coordinates the state entomology, forestry, and wildlife habitat evaluation judging.

She has authored or co-authored a variety of classroom enrichment materials including: Teaching Genomics with computer simulations, Traveling the Lakes with the EPA Lake Guardian (CD-ROM), Biocontrol of Purple Loosestrife, and Why Leaves Change Color. Dr. Carroll has provided training at 231 conferences, seminars, or workshops for 4,985 adults, and 4,985 teens.

Carroll has authored, co-authored a book, *Living on Acreages, What You Need to Know*, and collaborated the book *Putting Models into Practice, Book: Conserving Biodiversity in Agricultural Landscapes Model-Based Planning Tools*. She has published five refereed journal articles and 48 Extension publications. She teaches, or has taught, in the departments of Agricultural Engineering, Engineering Education, Agricultural Systems Management, Natural Resource and Environmental Science, Youth Development and Natural Resources, and Horticulture, including graduate-level courses provided through video and Internet formats. Carroll guides graduate student research in the Department of Youth Development & Agricultural Education and is a graduate student committee member in Agricultural & Biological Engineering and Agronomy (20 students, total).

Natalie is currently working on education and outreach on an NSF funded project, *Response of aquatic and terrestrial microorganisms to carbon-based manufactured nanoparticles*, and on the technology transfer methodology of a Bill & Melinda Gates Foundation funded project, *Encouraging Regional Trade with Hermetic Storage for Cowpea in West and Central Africa*.

Natalie taught middle and high school math and adult education in the 1970's before receiving her M.S. (1983) and Ph.D.(1993) degrees in Agricultural Engineering.

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