

Biosketch for Shea Tuberty, Ph.D.

Dr. Tuberty is Associate Professor of Biology at Appalachian State University in Boone, NC where he heads an Aquatic Ecophysiology and Toxicology lab. He received his B.A. at Vanderbilt University and PhD in Ecology, Evolution and Organismal Biology from Tulane University. He was supported by an EPA STAR postdoctoral fellowship at the EPA Gulf Ecology Division at Gulf Breeze, FL from 1998-02 where his research focused on effects of insecticides on non-target crustacean larvae as well as coal ash and heavy metal effects on crustacean reproduction and endocrinology. His lab works on a diverse number of conservation and toxicology issues including measuring accumulation of trace metals in water and soil from chicken litter application in S. Appalachia. In 2008-11 his lab was involved in assessing fish health and metal bioaccumulation from waters around the TVA Kingston, TN coal ash spill into the Emory, Clinch and Tennessee Rivers – the largest ash spill in US history. He has been a member of the North American Society of Environmental Toxicology and Chemistry (SETAC) for 16 years and is past president and Board of Directors member of the Carolinas Regional SETAC. He recently served on an EPA Science Advisory Panel for Tier 2 tests for endocrine disruption effects in wildlife and review panels for the US EPA STAR/GRO fellowships, NOAA Sea Grants, and Water Resources Research Institute of the University of North Carolina programs. He has reviewed manuscripts for many toxicology journals including Aquatic Toxicology, Archives of Environmental Contamination and Toxicology, Chemosphere, General and Comparative Endocrinology, Invertebrate Reproduction and Development, Ecotoxicology and Environmental Safety, Science, Endocrinology, and Environmental Toxicology and Chemistry.