

G. Allen Burton
Resume

Education

Ouachita Baptist University	B.S.	1976	Biology & Chemistry
Auburn University	M.S.	1978	Microbiology
University of Texas @ Dallas	M.S.	1981	Environmental Sciences
University of Texas @ Dallas	Ph.D.	1984	Env. Sci. (Aquatic Toxicology)

Professional Positions:

1980-1984. Life Scientist. U.S. Environmental Protection Agency, Dallas, Texas
1984-1985. Visiting Fellow. Cooperative Institute for Research in Environmental Sciences, University of Colorado @ Boulder
1985-1990. Assistant Professor, Dept. of Biological Sciences, Wright St. Univ.
1990-1996. Associate Professor, Dept. of Biological Sciences, Wright St. Univ.
1985-present. Coordinator, Environmental Health Sciences Program, WSU.
1994-2006, Director, Institute for Environmental Quality, WSU.
1996-present. Professor. Dept. of Biological Sciences, Wright St. Univ.
2000-2003. Brage Golding Distinguished Professor of Research, WSU.
2002-2003. Director, Environmental Sciences Ph.D. Program, WSU.
2003-2005. Associate Director, Environmental Sci. Ph.D. Program, WSU.
2005. Interim Chair, Geological Sciences Department, WSU.
2006-present. Chair, Department of Earth & Environmental Sciences, WSU.

Awards and Other Professional Activities (Select):

1992-1999. U.S. EPA National Freshwater Sediment Toxicity Methods Committee
1994, 2001. Visiting Senior Scientist, Italian Institute for Hydrobiology.
1994, 1995, 1998, 1999. External Review Panel. Environmental Biology Research Program. Exploratory Research. Office of Research and Development, U.S. EPA.
1996. Visiting Senior Scientist, New Zealand Inst. of Water and Atmospheric Research.
1994-1997. NATO Senior Research Fellow, University of Coimbra, Portugal.
1993-1996. Board of Directors, Soc. of Environmental Toxicology and Chemistry
2002. Meeting Chair. 5th International Symposium on Sediment Quality Assessment.
1999-2001. U.S. EPA Scientific Advisory Panel, Office of Pesticide Programs
2001-2004, Editorial Board, Aquatic Ecosystem Health & Management and Chemosphere.
2000-2003. Brage Golding Distinguished Professor of Research.
2003-2006. World Council, Society of Environmental Toxicology & Chemistry (SETAC)
2006. Vice President, World Council, SETAC
2007. President, Society of Environmental Toxicology & Chemistry
2005-2009. U.S. EPA Science Advisory Board Panel and Committees.
2006. National Research Council Committee on Sediment Dredging at Superfund Megsites.

Recent Projects Ongoing or Completed During the Last 3 Years (Select since 2004):

American Chemical Council. A Diagnostic Approach for Identifying Biological Impairment and Dominant Stressors. 2001-2004.
Nickel Producers Environmental Research Organization. Field Validation of Sediment Nickel Toxicity for the European Union Nickel Risk Assessment. 2003-2005.
City of Dayton. Stormwater Quality Assessment of the Great Miami River. 2005.
Copper Development Association, RioTinto, and International Copper Association. An Assessment of Copper Effects on Benthic Invertebrates in Freshwater Ecosystems. 2005-2007.
Bayer CropScience and BASF Inc. Assessment of Fipronil Effects on Benthic Invertebrates. 2005-2007.
U.S. Environmental Protection Agency STAR Grant Program. Defining and Predicting PCB Fluxes and Their Ecological Effects in River Systems for Risk Characterizations. 2005-2007.

Strategic Environmental Restoration and Demonstration Program (SERDP). Sediment Ecosystem Assessment Protocol (SEAP): An Accurate and Integrated Weight-of-Evidence Based System. 2007-2010.

Peer-Reviewed Publications (Select since 2004):

1. Burton GA Jr, Nordstrom JF. 2004. An *in situ* toxicity identification evaluation method. I. Lab Validation. *Environ Toxicol Chem* 23:2844-2850.
2. Burton GA Jr, Nordstrom JF. 2004. An *in situ* toxicity identification evaluation method. II. Field Validation. *Environ Toxicol Chem* 23:2851-2855.
3. Burton GA Jr., Greenberg MS, Rowland CD, Irvine CA, Lavoie DR, Brooker JA, Eggert LM, Raymer DFN, McWilliam RA. 2005. *In situ* exposures using caged organisms: a multi-compartment approach to detect aquatic toxicity and bioaccumulation. *Environ. Pollut.* 134:133-144.
4. Burton GA Jr, Nguyen LTH, Janssen C, Baudo R, McWilliam R, Bossuyt B, Beltrami M, Green A. 2005. Field validation of sediment zinc toxicity. *Environ Toxicol. Chem* 24:541-553.
5. Kapo, K., Burton GA. 2006. A GIS based weight of evidence approach for identifying aquatic impairment. *Environ. Toxicol. Chem.* 25:2237-2249.
6. Custer KW, Burton GA, Coleho R, Smith P. 2006. Determining stressor presence in streams receiving urban and agriculture runoff: development of a benthic *in situ* toxicity identification evaluation (BiTIE) Method. *Environ Toxicol Chem* 25:2299-2305
7. Burton, GA, Green A, Baudo R, Forbes V, Nguyen LTH, Janssen CR, Kukkonen J, Leppanen M, Maltby L, Soares A, Kapo K, Smith P, Dunning J. 2007. Characterizing sediment acid volatile sulfide concentrations in European stream. *Environ Toxicol Chem* 26:1-12.
8. Baird, DJ, Burton GA, Culp JM, Maltby L. 2007. Summary and recommendations from a SETAC Pellston Workshop on *in situ* measures of ecological effects. *Integr Environ Assess Mgmt* 3:275-278.
9. Crane M, G. Allen Burton, Joseph Culp, Marc S. Greenberg, Kelly R. Munkittrick, Rui G.L.G. Ribeiro, Michael H. Salazar and Sylvie D. St-Jean. 2007. Review of *In Situ* Approaches for Stressor and Effect Diagnosis. *Integr Environ Assess Mgmt.* 3:234-245.
10. Custer KW, Burton GA Jr. 2007. *Isonychia* spp. and macroinvertebrate community responses to stressors in streams utilizing the benthic *in situ* toxicity identification evaluation (BiTIE) method. *Environ Pollut.* (online at www.sciencedirect.com, in press).