

## Elizabeth Hodges Snyder

---

[afeh1@uaa.alaska.edu](mailto:afeh1@uaa.alaska.edu)

Permanent Address:  
6608 Mink Avenue  
Anchorage, AK 99504  
(907) 903-5799

Work Address:  
3211 Providence Drive, DPL 405  
Anchorage, AK 99508-4614  
(907) 786-6541

---

### **EDUCATION**

**Doctorate of Philosophy in Soil and Water Science, Dept. of Soil and Water Science, Aug. 2009**

School of Agriculture and Life Sciences, University of Florida

Alumni Fellowship Recipient – four year full fellowship

William K. Robertson Fellowship, 2005

*Outstanding Dissertation Award, Soil and Water Science Department, 2009*

**Master of Public Health, Global Environmental Health (GEH) Program, Summer 2004**

Rollins School of Public Health (RSPH), Emory University

Global Field Experience Grant Recipient, 2003

**South Texas Environmental Education and Research Program, May 2003**

University of Texas Health Science Center at San Antonio

Environmental medicine/environmental public health education: 160 hours

**Bachelor of Health Sciences, Rehabilitation Counseling, Aug. 2002**

College of Public Health and Health Professions, University of Florida

Florida Bright Futures Scholarship – four year full scholarship

### **TRAVEL EXPERIENCE**

**Akiachak, Alaska.** Conducted household water use surveys, sampled stored water, and collected surface water samples from the Kuskokwim River. Spring 2010.

**Valencia, Venezuela.** Conducted Masters thesis research in Valencia and San Jose Mapuey. Collaborated with University of Carabobo. 2004.

**Taipei, Taiwan.** Lived in Taipei and attended Taipei American School (TAS). 1991-1992.

**Islamabad, Pakistan.** Lived in Islamabad and attended the International School of Islamabad (ISI). 1988-1991.

**Other International Travel.** Bermuda, China, England, Germany, Hong Kong, Jamaica, Mexico, Philippines, Scotland, Singapore, and Thailand.

## **PROFESSIONAL EXPERIENCE**

**Assistant Professor of Public Health**, Department of Health Sciences, University of Alaska Anchorage. August 2009-present.

- Environmental and Occupational Health (HS A610), Fall 2009, Spring 2010, Fall 2010, Spring 2011
- Program Evaluation (HS A628), Spring 2011
- Research Tools and Methods (HS A629), Fall 2009, Spring 2010, Fall 2010
- Soil, Water, and Public Health (HS A690), Summer 2010

**Guest Lecturer**, University of Alaska Fairbanks Northwest Campus, Community-Based Environmental Health Research: A Field Sampling Institute. July 2010.

**Guest Lecturer (distance education)**, Soil and Water Science Department, University of Florida. Soils, Water, and Public Health. Spring 2010.

**Co-Instructor**, Survey of Water, Soil, and Public Health. Joint graduate/undergraduate course offering in the Soil and Water Science Department and the Public Health Program, University of Florida. Design and deliver lectures, maintain course Webpage, coordinate guest speakers, design test questions and homeworks, grade assignments, and assist students. Spring 2007 and 2008.

**Radiation Safety Officer**, Soil Chemistry Lab, Soil and Water Science Department, University of Florida. Maintain inventory records, conduct swipe tests, and train new radiochemical users. Fall 2007-Spring 2009.

**Intern Researcher**, The Procter & Gamble Company, Cincinnati, Ohio. Conduct laboratory-based research on biosolids-borne Triclocarban. Summer 2006.

**Teaching Assistant**, Soils for Environmental Professionals Lab, Soil and Water Science Department, University of Florida. Design and deliver lectures, design and direct lab experiments, design test questions, grade assignments, and assist students. Fall 2005.

**Teaching Assistant**, Soils for Environmental Professionals, Soil and Water Science Department, University of Florida. Maintain and update course webpage, design test questions, grade assignments, and assist students. Spring 2005.

**Withlacoochee River Basin Project Coordinator**, Florida Defenders of the Environment, Gainesville, Florida. Research grant opportunities, design water quality regulations educational material, and attend community meetings. Summer 2005.

**Research Assistant**, GEH Department, RSPH, Emory University. Coordinate meetings and interactions between RSPH, the National Center for Environmental Health (NCEH), and Centers for Disease Control and Prevention (CDC). Contact and assist invited speakers for GEH Department. Fall 2003.

**University of Florida Gymnast**, University of Florida Athletics. Team competitor. 1998-1999.

## **ADVISING AND COMMITTEES**

**Academic advisor**, UAA Master of Public Health (MPH) Program. 15 MPH students. 2009-present.

**Chair**, MPH Thesis Committee. Students: Liza Root, Carol McCarty, and Eric Lespin.

**Co-Chair**, University of Alaska Fairbanks Interdisciplinary PhD Dissertation Committee. Spring 2010-present.

**Co-Coordinator**, "Impacts of Metals and Metallic Mining on Aquatic Ecosystems and Human Health" 3-day seminar hosted by the Conservation Planning Assistance Branch of the US Fish and Wildlife Service, The Nature Conservancy, and the UAA Department of Health Sciences, Nov. 30, Dec. 1, and Dec. 2, 2010 (~80 residential and distance participants).

**Mentor**, Alaska Native Science & Engineering Program (ANSEP). Summer 2010.

**Mentor**, National Institutes of Health (NIH) National Institute for Diabetes, Digestive, & Kidney Diseases (NIDDK). Summer 2010.

**Chair**, MPH Program Assessment Committee. Fall 2010- present.

**Secretary**, Society of Practitioners of Health Impact Assessment (SOPHIA). Spring 2010-present.

**Member**, University Chemical Safety Committee, Spring 2011-present.

**Member**, Multiple MPH Program Committees (Workforce Development, Marketing, and Seminar). Fall 2009-present.

**Member**, UAA Sustainability Committee. Fall 2009-present.

**Member**, Multiple Health Impact Assessment (HIA) Working Groups (WG) resulting from HIA in the Americas workshop of Spring 2010 (HIA/EIA WG, Association WG, Stakeholder Participation WG, and New Practitioners WG).

**Member**, Alaska HIA Working Group. Fall 2009-present.

## **VOLUNTEER SERVICE**

**Mentor**, Alaska Youth for Environmental Action (AYEA), Palmer, AK. Moderate student meetings, assist in the development of student projects, and provide environmental education. 2009-present.

**Volunteer Coordinator**, Casting for Recovery, Anchorage, AK. Recruit, inform, and coordinate volunteers. 2009-present.

**Speaker Series Chair**, Wetlands Club, University of Florida. Conduct committee meetings and direct speaker scheduling, venue reservation, venue preparation, advertisement, post-lecture gatherings, and donation procurement. 2006.

**REHAC Co-President**, Rollins Environmental Health and Action Committee, RSPH, Emory University. Coordinate and lead activities, meetings, and volunteer efforts related to the environment and public health. Activities include environmental impact reduction efforts, awareness campaigns, tree plantings, and local community improvement initiatives. 2003-2004.

## **FUNDED PROJECTS**

**Integrative Faculty Development Grant.** Project title: Anchorage community food assessment. \$4,500. 2011. (PI: Elizabeth Hodges Snyder)

**Denali Commission.** Health and Education Sanitation Learning Modules. \$10,000. January 2010-July 2011.

**Center for Community Engagement and Learning (CCEL).** Community Engaged Scholar Award (CESA). Graduate student research on vertical drip irrigation gardening in rural Alaska. 6 tuition credits. Fall 2010.

**Center for Community Engagement and Learning (CCEL).** Soil and Water Science in Public Health course development. \$2,000. 2009-2010.

**Integrative Faculty Development Grant.** Project title: Health impact assessment of Pebble Mine. \$4,500. 2009-2010. (PI: Elizabeth Hodges Snyder)

**US EPA Office of Wastewater Management.** In collaboration with the Procter & Gamble Company. Project title: Fate and transport of biosolids-borne Triclocarban. \$87,400 matching funds. 2005-2009. Dissertation. (PI: George O'Connor)

**Florida Department of Agriculture and Consumer Services (DACCS).** Project title: Literature review, volume I: Organic veterinary chemicals important in land-applied manure. \$2,000. 2005. (PI: George O'Connor)

**RSPH Global Field Experience Grant.** Project title: Pesticide exposure behaviors in a rural farming community in Venezuela. \$2,000. 2003. Masters Thesis. (Advisor: Rick Rheingans)

## **PUBLICATIONS**

Snyder, E.H., O'Connor, G., McAvoy, D. (2010) Measured physicochemical characteristics and biosolids-borne concentrations of the antimicrobial triclocarban. *Science of the Total Environment*. 408(13): 2667-2673.

Snyder, E.H., O'Connor, G., McAvoy, D. (2010) Fate of <sup>14</sup>C-triclocarban in biosolids-amended soils. *Science of the Total Environment*. 408(13): 2726-2732.

Snyder, E.H., O'Connor, G., McAvoy, D. (2010) Bioaccumulation and toxicity of biosolids-borne triclocarban. *Chemosphere*. 82(3): 460-467.

Snyder, E.H., Nix, N. (2010) Up the food chain – Pollution in the Arctic in the International Polar Year book *Polar Science and Global Climate, An International Resource for Education and Outreach*. Ed. B. Kaiser.

Snyder, E.H. (2010) Community Engaged Scholars in Soil, Water, and Public Health. Alaska Environmental Health Association Summer Newsletter.

## **PRESENTATIONS**

### **Oral Presentations**

Snyder, E.H. Fate and transport of metals in the environment. (4-hour lecture). Presented at “Impacts of Metals and Metallic Mining on Aquatic Ecosystems and Human Health”, a 3-day seminar hosted by the Conservation Planning Assistance Branch of the US Fish and Wildlife Service, The Nature Conservancy, and the UAA Department of Health Sciences, Nov. 30, Dec. 1, and Dec. 2, 2010.

Snyder, E.H. Using community engagement to educate students and the public about the importance of social, economic, and environmental determinants of health, Alaska Health Summit, Jan. 2011.

Snyder, E.H. Environmental impacts vs. Health impacts: How to weight, rank, prioritize and reconcile in formal assessments? (Panel Chair) Presented at the Association of Environmental Studies and Sciences, Summer 2010.

Snyder, E.H. Fate, transport, and risk assessment of triclocarban. Presented via webcast to employees of the Procter & Gamble Company, Fall, 2009. (Invited)

Snyder, E.H. Risk assessment of land-applied biosolids: The case of Triclocarban (TCC). Presented at the Northwest Biosolids Management Association’s Annual Biosolids Management Conference, 2009. (Invited)

Snyder E.H., O’Connor, G., McAvoy, D. Fate and transport of biosolids-borne Triclocarban. Presented at the Micropol and Ecohazard Conference, 2009. First-place finish in student presentation competition.

Snyder, E.H., O’Connor, G., McAvoy, D. Fate and transport of biosolids-borne Triclocarban. Presented at the SETAC North America 29th Annual Meeting, 2008.

Snyder, E.H. Soils and public health. Presented at the Global Connections Between Earth Sciences, Health, and Policy: A Symposium in Celebration of the International Year of Planet Earth, 2008. The National Academies. (Invited)

Snyder, E.H., O’Connor, G., McAvoy, D. Risk assessment of biosolids-borne Triclocarban. Presented at the ASA-CSSA-SSSA Annual Meeting, 2008.

Snyder, E.H., O’Connor, G., McAvoy, D. Fate and transport of biosolids-borne Triclocarban. Presented at the ASA-CSSA-SSSA Annual Meeting, 2007.

Snyder, E.H. and McAvoy, D. Fate and transport of biosolids-borne Triclocarban. Presented at the Procter & Gamble CPS-Env. Intern Meeting, 2006.

### **Poster Presentations**

Snyder, E.H. Health impact assessment of the proposed Pebble Mine. Presented at the Alaska Forum on the Environment, Spring 2010.

Snyder, E.H. Health impact assessment of the proposed Pebble Mine. Presented at the Health Impact Assessment in the Americas workshop, Spring 2010.

Snyder, E.H., O'Connor, G., McAvoy, D. Environmental transport of biosolids-borne Triclocarban. Presented at the University of Florida Water Institute Symposium, 2008. First-place finish in student poster competition.

Snyder, E.H., O'Connor, G., McAvoy, D. Fate and transport of biosolids-borne Triclocarban. Presented at the World Congress of Soil Science, 2006.

Snyder, E.H. and O'Connor, G. A new graduate course at the University of Florida: Soils and public health, 2006. Presented at the World Congress of Soil Science, 2006.

### **SKILLS**

**Institutional Review Board (IRB) Submission** – Wrote and received IRB approval for a rapid community assessment survey. 2003.

**Computer Experience** – ArcView, Blackboard, EpiInfo, Excel, PowerPoint, DreamWeaver, SAS, SPSS, and XCalibur.

**Analytical/Laboratory** – Accelerated Solvent Extraction (ASE), HPLC/MS/MS, Liquid Scintillation Counting (LSC), Radio Thin-Layer Chromatography (RAD-TLC), and Rapid Flow Analysis (RFA). Experience designing and constructing multiple aeration manifolds for biodegradation analyses.

### **Journal Manuscript Review**

- Environmental Science & Technology. 2008.
- Journal of Environmental Quality. 2009.

### **PROFESSIONAL AFFILIATIONS**

Member, Soil Science Society of America (SSSA)

Member, Society of Environmental Toxicology and Chemistry (SETAC)

Member, National Environmental Health Association (NEHA)

Member, Alaska Public Health Association (ALPHA)

Member, American Public Health Association (APHA)

Member, Association of Environmental Studies and Sciences (AESS)

Member, Alaska Environmental Health Association (AEHA)

Member, American Society for Circumpolar Health

Member, International Epidemiological Association