

SEKEENIA HAYNES

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PROFESSIONAL PREPARATION

University of Tennessee	Program Administrator	2009-present
University of South Florida	Postdoctoral Research Scientist	2007-2009
Florida A&M University	Environmental Science, Ph.D.	2006
Florida A&M University	Environmental Science, M.S.	2001
Florida A&M University	Chemistry, B.S.	1995

TEACHING AND ADVISING EXPERIENCE

Chemistry 2046 L, University of South Florida (Environmental, Geography, & Policy Dept.), spring 2008
Stem Professional Development Course, USF (cross-listed in Colleges of Marine Science & Engineering), 2008

Greater Hope Missionary Baptist Church School, ages 9-12, 1997-present.

Great American Teach-In at P.L. Sheehy Elementary School, 2007

Biogeochemical Sensors-Development & Application, USF (Colleges of Marine Science and Engineering, co-taught with Dr. Ashanti Pyrtle, Assistant Professor), 2007

Advisor/Mentor for the Minorities Striving to Pursue Higher Degrees and Professional Development Program, 2007-present

Environmental Chemistry Laboratory, Florida A&M University (Environmental Sciences Institute), Graduate Research Assistant, 2006

ESI Advisory Committee for NSF Historically Black Colleges and Universities Infrastructure for Sciences and Engineering (HBCU-RISE) in the FL A&M University Environmental Science Institute, 2006-2009

Advisor/Counselor/Instructor, Florida A&M University (College of Education), 1995-1997

Math and Science Tutor, Florida A&M University (Center for Teacher Preparation), 1993-1995

WORK EXPERIENCE

University of Tennessee, Program for Excellence & Equity in Research, Program Administrator, 2009-present

University of South Florida, Radiogeochemistry, Postdoctoral Research Scientist, 2007-2009

Florida A&M University, Mathematics, Grant Manager, 2006-2007

Florida State University Biomedical Sciences, Department of Environmental Protection, 2006-2006

Florida Integrated Science Center, Ecotoxicology, Physical Scientist, 2001-2006

Columbia Environmental Research Center, Environmental Sciences, Physical Science Technician, 1999-2001

Florida A&M University, Environmental Sciences Institute, Graduate Research Assistant, 1997-1999

SELECT PROFESSIONAL DEVELOPMENT AND WORKSHOP PARTICIPANT ACTIVITIES

Teaching Survival Skills and Ethics, Snowmass, Colorado, 2009

Interventions Research Diversity, AAAS, Bethesda, Maryland, 2009

Preparing for Academic Careers in GeoScience, University of Wisconsin, 2007.

1st International Sclerochronology Conference, St. Petersburg, Florida, 2007.

NSF Advisory Committee Historically Black Colleges and Universities Infrastructure for Sciences and Engineering (HBCU-RISE), 2006-present.

Grantsmanship Training Program, National Institute of Health and Grant Writers' Seminars and Workshops, LLC, Tucson, Arizona, 2003.

Natural Resources Forum: Watershed Science, Policy, Planning, and Management: Can We Make It Work In Florida? Tampa, Florida, 2001.

Professional Radiation Training Programs of Oak Ridge Associated Universities with the Department of Energy: 2-week Nuclear Energy Training Program, Oakridge, Tennessee, 1998.

Society of Environmental Toxicity and Chemistry: Predicting Fate and Effects of Nutrients and Organic Toxicants with the Aquatox Model Short Course, Charlotte, North Carolina, 1998.

Society of Environmental Toxicity and Chemistry: Whole Effluent Toxicity Training Course, Orlando, Florida, 1998.

PUBLICATIONS

Johnson, E., Apeti, A.D., **Haynes, S.**, Robinson, L. (2008) *American Journal of Environmental Sciences*, 4(6), 721-726. "Solute or Heat Transfer in a Flat Duct."

Batson, B., Thomas, P., **Haynes, S.**, Pyrtle, A., Turner, R. et al. (2008) The FGLSAMP Bridge to the Doctorate Project at the University of South Florida: A Model for the Retention of Minority Graduate Student in the Ocean Sciences: *American Sciences of Limnology and Oceanography*, Orlando, FL. October 2008. (abstract)

Haynes, S., Gragg, R.D. (2008) An Assessment of Organochlorine Pesticide and Polycyclic Aromatic Hydrocarbons and the Potential Impact to Water Quality in the Florida Bay, USA: *Greater Everglades Ecosystem and Restoration*, Naples, FL. July 2008. (abstract)

Haynes, S. (2006) Florida A&M University *CLUSTER Magazine*, fall edition, 19-21. "A Push Toward Success."

Haynes, S. (2006) Ph.D. Dissertation. Environmental Sciences Institute, Florida A&M University, Tallahassee, FL. "Spatial Variation and Trophic Distribution of Total Mercury in the South Florida Ecosystem."

Haynes, S., Gragg, R.D., Johnson, E., Robinson, L., Orazio, C.E. (2006) *Water, Air, and Soil Pollution*, 172, 359-374. "An Evaluation of a Reagentless Method for the Determination of Total Mercury in Aquatic Life."

Orazio, C.E., **Haynes, S.**, Lebo, J.A., Petty, J.D., Huckins, J. Gragg, R.D. (2002) Potential for Photodegradation of PAHs Sequestered Within an SPMD: *Society of Environmental Toxicology & Chemistry*, Salt Lake City, Utah. November 2002. (abstract)

Haynes, S. (2001) M.Sc. Thesis. Environmental Sciences Institute, Florida A&M University, Tallahassee, FL. "Semipermeable Membrane Device Sampling of Polycyclic Aromatic Hydrocarbons, Quinones, and Organochlorine Pesticides in Everglades Canals C-11 and C-111."

Haynes, S., Gragg R.D., Orazio, C.E., Lebo, J.A., Petty, J.D., Huckins, J., et al. (2000) Investigation of PAH and PAH photoproducts in Everglades Canals C-11 and C-111: *6th International SPMD Workshop & Symposium*, Columbia, MO. July 2000. (abstract)

AWARDS AND RECOGNITIONS

- 2007 Recipient of the NSF Travel Award for On the Cutting Edge: Preparing for an Academic Career in the Geosciences Workshop.
- 2007 Recipient of the Mini-grant award for the Joint NASA-NSF Research and Education Opportunities Conference for Principal Investigators, Faculty, and Partners.
- 2006-present Appointed, Advisory Board Member of the NSF funded Historically Black Colleges and Universities Infrastructure for Sciences and Engineering (HBCU-RISE) in the FAMU Environmental Science Institute.
- 2003 Awarded Third Place in the 2003 Graduate Student Poster Competition by NOAA/FAMU 4th Annual Expanding Opportunities in Oceanic and Atmospheric Sciences Conference
- 2003 Recipient of the FASEB Travel Award for the Grantsmanship Training Program, National Institute of Health and Grant Writers' Seminars and Workshops, LLC.
- 2001 Awarded Second Place in the 2001 Graduate Student Poster Competition by NOAA/JSU 2nd Expanding Opportunities in Oceanic and Atmospheric Sciences Conference
- 1999 Awarded the 1999 Excellence Award for Student Poster Competition by the Department of Energy's Office of Fossil Energy.
- 1998 Recipient of a Travel Award for the 2-week Professional Radiation Training Programs of Oak Ridge Associated Universities with the Department of Energy Training Program.

SELECTED ORAL AND POSTER PRESENTATIONS (1999-2009)

Haynes, S. (2009) Graduate Opportunities at the University of Tennessee. Biology Seminar at the Tennessee State University, Nashville, TN (*Invited*).

Batson B., Thomas P., **Haynes S.**, Pyrtle A., Ralph Turner et al. (2008) *The FGLSAMP Bridge to the Doctorate Project at the University of South Florida: A Model for the Retention of Minority Graduate Student in the Ocean Sciences*. American Sciences of Limnology and Oceanography 2008 Ocean Sciences Meeting, Orlando, FL.

Haynes S. (2008) *Accumulated Mercury in Largemouth Bass and Spatial Variations in the Everglades*. USF-Environmental Science, Policy, and Geography Department, St. Petersburg, FL (*Invited*).

Schwing P., Martinez E., Pyrtle, A.J., **Haynes, S.** (2007) *Validating a Biogeochemical Watershed Disturbance and Climate Change Proxy: Tampa Bay, FL*. 2007 American GeoScience Union Fall Meeting, San Francisco, CA.

Haynes S., Brown J., Smith A., Howard J., Vargas W., Ithier W. (2007) *Minorities Striving and Pursuing Higher Degrees of Success (MS PHDS) in Earth System Science Professional Development Program (PDP)*. Integrated Ocean Drilling Program: Science Steering and Evaluation Panel, Houston, Texas.

Haynes, S. (October 2006) *Variations of Total Mercury in Largemouth bass (Micropterus salmoides) and the Everglades Ecosystem.* NOAA, ECSC, and FAMU Fourth Education and Science Forum: Science, Stewardship and Sustainability Tallahassee, Florida. (Invited)

Haynes, S. (November 2005) *Total Mercury in Largemouth Bass in Three Habitats of the Everglades Ecosystem.* Lecture Series in Environmental Toxicology and Occupational Health, Florida A&M University, Tallahassee, Florida. (Invited)

Haynes, S., Gragg R.D., Johnson E., Orazio C.E., and Robinson L. (May 2005) *An Evaluation of a Reagentless Method for the Determination of Total Mercury in Aquatic Life.* Florida Integrated Science Center Scientific Meeting. Orlando, Florida.

Haynes, S. & Jones, L.T. (July 2003) *Recycling 101: What You Don't Know Can Hurt You.* Florida 4-H Congress, Gainesville, Florida.

Haynes, S., Gross, T.S., Gragg, R.D. (March 2003) *An Assessment of Mercury Exposure in Multiple Trophic Levels in the Greater Everglades Ecosystem.* Fourth Expanding Opportunities Conference in Atmospheric and Oceanic Sciences. Tallahassee, Florida.

Haynes, S., Rice K., Wiebe J., Ruessler S., Wieser C., Gross, T., Gragg, R.D., Mazzotti, F., Lange, T. (June 2002) *An Assessment of Total Mercury Exposure in Multiple Trophic Levels of Greater Everglades.* South Florida and Caribbean Cooperative Ecosystems Studies Unit Science Forum, Miami, Florida.

Haynes, S., Gragg R.D., Orazio, C.E., Lebo J.A., Petty, J.D., Huckins, J., Cranor, W., Clark, R. (January 2001) *Investigation of PAHs and Quinones in Everglades Canals.* American Society of Limnology and Oceanography: Aquatic Sciences Meeting, Albuquerque, New Mexico.

Haynes, S., Abazinge, M., Robinson, L. (April 1999) *Towards A Healthier Environment: Florida A&M University's Environmental Sciences Institute Leads the Way.* FAMU & HBCU. 24th National Conference on Blacks in Higher Education, Washington, D.C.

PROFESSIONAL SOCIETY MEMBERSHIPS

American Association for the Advancement of Science, American Geophysical Union, Society of Environmental Toxicology and Chemistry, Environmental Science Service Organization

COMMUNITY SERVICES

Greater Hope Missionary Baptist Church (Tampa, FL) Staff of Christian Education Member, and Director of Singles in Action for Christ Ministry, 2007-present

Berean Seminary and Bible College (Tampa Campus) Student Body President, 2007-2009

Jacob Chapel Free Will Baptist Church (Tallahassee, FL) Math Tutor, 2005-2006

Mt. Carmel Missionary Baptist Church (Gainesville, FL), Single Ministry and Wednesday Night Youth Forum Facilitator, 2001-2003

STUDENT COMMITTEES

Erin Kelley, M.S. (Committee Member, Advisor: Dr. Pamela Mueller, USF College of Marine Science)