

## CURRICULUM VITAE

### **Teresa E. Thornton, M.S., Ph.D.**

Co-Founder, President, and CEO of *GET WET!*

Founded at the University of Maine  
and

Coordinator of Scientific Research and Environmental Education,  
Jupiter Environmental Research & Field Studies Academy, FL



#### **CONTACT INFORMATION:**

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Electronic Portfolio: [teresathorntonphd.webs.com/](http://teresathorntonphd.webs.com/)

#### **EDUCATION:**

**Ph.D. Forest Resources.** University of Maine, Orono, ME August 2011  
*Human Dimensions of a School-Centered, Community-Based Environmental Monitoring Research (CBEMR) Program  
Focusing on Private Drinking Water Wells in New England*

**M.S. Ecology and Environmental Science.** University of Maine, Orono, ME 2006  
*Tracking Movement of Hexazinone (Herbicide) from Upland to Estuary via Groundwater*

Teacher Certification Courses. Florida Atlantic University, Boca Raton, FL 1995-2002

**B.A. Biology.** West Chester University, West Chester, PA 1993

**A.A. Associate of Arts.** Community College of Philadelphia, PA 1989

#### **FIELDS OF MAJOR SCIENTIFIC RESEARCH:**

Land-Use Effects on Source Waters, Private Drinking Water Wells, and Resultant Coastal Ecosystems  
Experiential Learning as a Motivator for Independent Research and Environmental Activism  
School Centered, Community-Based Environmental Monitoring Research  
The Effects on Social Capital and Trust on Stakeholder Networks  
Source and Coastal Water Protection Through the Development of Citizen-Based Networks

#### **CURRENT POSITIONS:**

**Co-Founder, President, and CEO of *GET WET! Project*** 2003-Present

- Institute and facilitate the CBEMR program in seven states with direct management of the Florida section to assist more than 44 towns in the ownership of protection and management of source waters
- Management of 46 educational institutions, governing boards, local businesses, environmental non-governmental organizations (ENGOS), and governmental organizations as collaborative stakeholders
- Budget management, volunteer recruitment and coordination, scheduling, community recruitment, data management, public communication, web site management, and fund raising
- Grant writing with state organizations managing their individual programs

#### **OTHER CURRENT PROFESSIONAL POSITIONS:**

Board of Directors, American Water Resource Association, Washington, DC  
Technical Director for the AWRA National Conference 2020  
Reviewer: Journal of Science Education  
Adjunct Environmental Science, Palm Beach State College, FL  
Coordinator of Scientific Research and Environmental Education, Jupiter Environ. Research & Field Studies Academy

#### **PREVIOUS POSITIONS:**

- Coordinator of Sci. Research and Environ. Outreach Ed., Oxbridge Academy, WPB, FL** 2011-2019  
Quantitative & Qualitative Scientific Research (S401), Field Research (S201), & Honors Biology (S301)
- Instituted and implemented a successful research program whereby secondary students presented 62 posters and 12 talks at 22 different professional national conferences and 5 presentations to local authorities; earning 16 top awards
  - Managed approximately 43 research projects annually with more than 32 collaborators from international, national, and local businesses, governing agencies, and institutions (see List of Collaborators)
  - Assisted in the development of water curriculum with 12 professional organizations, ENGOS, conservation commissions, and institutions of education

- Created more than 53 community service projects with 19 different organizations that promote environmental health, water health, or water education
- Facilitate student publications and nurture stakeholder networks for long-term engagement
- Established international and professional research opportunities for students
- Instrumental in the county wide awards of *Green School of Excellence* (2012-2019) & *Green School of the Year* (2017)
- Founding faculty for a private college prep with a “*unique experiential approach to education that challenges students to learn by doing, and builds the skills and confidence they need to succeed for a lifetime*”

**Co-Instructor & GET WET! Researcher:** University of Maine, Orono, ME 2008-2011  
 Environmental Education & Interpretation (PRT 452) (while graduate student)

- Managed, guided, and built cooperation among eight CBEMR projects: 80 collaborators, 23 teachers & over 700 students in 6 states
- Plan, budget and execute virtual and in person training workshops for all stakeholders
- Develop and manage curriculum, supply budget, and technical aspects of program (<http://getwetproject.org/>)
- Guided charges to create, develop, and implement experiential learning opportunities for local communities
- Pajek, Dreamweaver, NVivo, DragonSpeak, SPSS

**MST Instructor:** Mount. St. Mary College, Newburg, NY 2006-2008  
 Integrated Math, Science, & Technology I, II, & III and Biology Seminar

- Designed kinesthetic based science method courses for elementary educators, special education majors, and students that lacked confidence in their science and math skills
- Initiated experiential cooperative learning programs where undergraduates worked with local institutions, governmental agencies, and environmental organizations to create age appropriate watershed studies or activities for primary, elementary, and secondary students

**Groundwater Research Assistant:** University of Maine, Orono, ME 2003-2006  
 Community Liaison and Groundwater Field Technician (while graduate student)

- Designed and implemented field studies relating to the fate and transport of pesticides
- Developed a program that trained community volunteers, local government representatives, and K-12 students in three townships to manage a long-term watershed study in order to affect Environmental Protection Agency (EPA) standards on gravel extraction from sand and gravel aquifers, and the Maine Board of Pesticide Control (MBPC) assessment of pesticides in groundwater
- SeaCat SB 19, HPLC, HPGC, Garmin GPS, Solinist & Tremble XT, StructureScan™ Professional,
- MapInfo, Vertical Mapper, & ArcMap; Pajek, Dreamweaver, NVivo, DragonSpeak, SPSS, MODFLOW, MODPATH, TopoDrive, ParticleFlow
- Created and implemented professional water quality assessments as curriculum for the UMaine Upward Bound Program (NE Region)

**Secondary Science Educator:** John Bapst College Prep, Bangor, ME 2005-2006  
 Freshman General Science & Honors Oceanography (while graduate student)

- Facilitated a field monitoring relationship between the secondary students, the Maine Department of Environmental Protection (MEDEP), the Environ.Chemistry Lab at UMaine, and other local area schools

**Science Educator:** Woodlands Middle School, Lake Worth, FL 1997-2003  
 Seventh & Eighth Grade Integrated Science

- Developed and implemented integrated science curriculum for courses as well as for teacher in-service training, and participated as a Core Team Facilitator, Pass Program Instructor, and After-School Program Facilitator and Instructor.

**Science Education Specialist:** South Florida Science Museum, Palm Beach, FL 1995-1997  
 Program Development and Science Teacher Education

- Pioneered the outreach, in-house, homeschool, afterschool, and school vacation programs: 200 students the initial year to well over 5,000 weekly, resulting in the present-day education department <https://www.sfsciencecenter.org/programs>
- Established teacher workshops and open houses for the more than 200 schools in Palm Beach County in order to foster a relationship with the public-school system
- Fundraising and department budget management
- Created prototypes for all education materials for major exhibits, including a published activity book

**Science Educator:** Great Explorations Hands-On Science Museum, St. Pete, FL 1993-1995

Docent, Program Facilitator, & Curriculum Development

- Devised and implemented environmental education curriculum and programming for all summer, weekend, and day camps as well as afterschool programs
- Organized, developed, and implemented field trips for the entire museum including responsibilities such as transportation, chaperones, funding, and insurance safety paperwork

#### **CERTIFICATIONS AND AWARDS:**

Awarded by the American Water Resources Association	2017
<i>Mary H. Marsh Medal for Exemplary Contributions to the Protection and Wise Use of the Nation's Water Resources</i>	
Awarded by Entire Oxbridge Academy Student Body:	
Most Hard-Won "A" ( <i>Most Difficult Course</i> )	2017-2018
Students' Pet ( <i>Favorite Teacher</i> )	2015-2016, 2016-2017
Nominated by Oxbridge Academy and University of Maine Peers:	
Most Inspirational Teacher	2013-2014
William T. Dwyer Award for Excellence in Education	2012-2013, 2013-2014
EPA National Environmental Education Advisory Council	2013, 2014
Northern Palm Beach County Teacher of the Year	2013
College Awards:	
The Gamma Chapter of Xi Sigma Pi, Forestry Honors Society	2011
<i>Distinguished Service Award</i> , University of Maine	2009
Phi Theta Kappa Honor Fraternity	1989
Certifications:	
FL State Continuing Professional Educator in Science Education (Certification #768961)	1998-2024
Lifeguard, CPR, Blood Borne Pathogen, & First Aid Certified by American Red Cross	2011-2021
Nitrox Certified PADI Diver	2012-Present

#### **GRANT WRITING:**

Co-author NSF with Calusa Waterkeepers	In Progress
Several small grants from The Groundwater Foundation, the AWRA, Florida Atlantic University, Florida Gulf Coast University, and Florida International University for students to attend national and regional Conferences	
(AWARDED approximately <b>\$18,000</b> )	2013-2019
Co-author with Jessica Leahy " <i>The Role of Social Capital, Trust and Learning in Solving Groundwater Quality and Quantity Issues in the Northeast with Citizen Science</i> "	
(AWARDED <b>\$555,000</b> USDA National Integrated Water Quality Program)	2008-2012
Graduate Student Government: Travel Grant (AWARDED <b>\$5,000</b> )	2010

#### **RELATED PROFESSIONAL SERVICE:**

Curriculum Development Team for Education Strand of Citizen Science Program, Bard College, NY	2019
Curriculum Development Committee Florida Atlantic University/Pine Jog Educational Connections to Ongoing Research Projects (E-Corp) MacArthur Beach State Park	2015-Present
Curriculum Advisor, New Hampshire Green Mountain Conservation Group	2010-Present
Session Moderator, AWRA Annual Conf.	2012-2018
Science & Technology Committee, The Marshall Foundation	2011-2015
Steering Committee, Annual South Florida Sea Level Rise Symposium	2011-2015
Steering Committee, The Water Consortium Brown Bag Lunch Series	2011-2015
Curriculum Planning Comm. FAU/Pine Jog Res. Water Research Institute: <b>H<sub>2</sub>O to GO!</b>	2013, 2015
Program Facilitator and Moderator, Consortium for Water Health, <i>Indian River Lagoon: 2014 Senate Decisions/Taxes and Citizen Responsibility</i>	2014
Panel Member, AWRA Annual Conf.	2012
Steering Committee, New England Private Well Symposium	2010, 2011
Advisory Committee, Maine Environmental Literacy Coalition	2010
Curriculum Advisor, Penobscot River Restoration Trust	2010
Advisor/Facilitator Project Wild, Project Learning Tree & Project Wet	1998-2008
Advisor, Mount Desert Island Water Quality Coalition Youth Watershed Forum	2004-2006
Host, National Institute of Water Resources (NIWR) Annual Meeting	2004
Facilitator and Educator, SFWMD & FAU Education Programs	1999

#### **COMMUNITY SERVICE & OUTREACH:**

Winding Waters Natural Area, FL	2016-Present
Arthur R Marshall Loxahatchee National Wildlife Refuge, FL	2011-Present
Grassy Waters Preserve, FL	2011-Present
Juno Beach, FL	2011-Present
Busch Wildlife Sanctuary, FL	2011-Present
Green Mountain Conservation Group, Ossipee, NH	2007-Present
Orange County Water Authority, Goshen, NY	2006, 2012-Present
North Scituate Conservation Commission	2008-Present
Jonathan Dickenson State Park, FL	2014-Present
Local Political Action Committee: Water Resources, Jupiter, FL	2017
Loggerhead Marine Life Center, FL	2015
Hobe Sound Wildlife Refuge, FL	2012-2016
21st Century Community Learning Centers, West Palm Beach, FL	2013
Wakefield Conservation Commission, Wakefield, ME	2012
4-H Summer Program, ME	2008-2011
Northern & Southern Maine Children's Water Festival, Orono, ME	2008-2010
Oxford County SWCD, Poland Springs, ME	2008
Lamoine Conservation Committee, Lamoine, ME	2004-2006
Maine Toxic Action Commission, Blue Hill, ME	2004

### **SCHOOL & UNIVERSITY SERVICE:**

<b><u>Secondary Schools:</u></b>	2011-Present
Green Club Advisor	
Instrumental in achieving county award <i>Green School of Excellence</i>	2012-2019
Awarded <i>Green School of the Year</i> (across two counties)	2017
Gay Straight Alliance (GSA) Co-Advisor	Medical Club Co-Advisor
Community Assistance Promoting Education (CAPE) Advisor	Diving Club Co-Advisor
Life Guard Training Advisor	
<b><u>College:</u></b>	2006-2008
Committee on Committees	Environmental Committee
Energy Conservation Sub-Committee	Investigative Research on Campus (IROC)

### **PUBLICATIONS:**

- Thornton, T.** 2020. *Encouraging the Next Generation to Manage and Protect Water Resources. In progress*
- Thornton, T.** 2020. *Factors that Contribute to the Recruitment of Professionals and Government Employees as Science Research Volunteers in the K-12 Classroom. In progress*
- Thornton, T.** 2015a. *Chapter 4 Part II: Facilitating Place-based, Original Research for the Individual Student, the Classroom, and the Community* in C. Kost (ed.), *ENGAGE! Exploring the Strange New World of Curriculum, Community, Collaboration and Innovation in 21st Century Independent Secondary Education*. (pp. 105-113). North Charleston, SC: CreateSpace
- Thornton, T.** 2015b. *Appendix III: Summer Assignment* in C. Kost (ed.), *ENGAGE! Exploring the Strange New World of Curriculum, Community, Collaboration and Innovation in 21st Century Independent Secondary Education*. (pp. 259-262). North Charleston, SC: CreateSpace
- Thornton, T.** 2015c. *Appendix: VIII: Student Research* in C. Kost (ed.), *ENGAGE! Exploring the Strange New World of Curriculum, Community, Collaboration and Innovation in 21st Century Independent Secondary Education*. (pp. 294-296). North Charleston, SC: CreateSpace
- Thornton, T.** and Leahy, J. 2012. *Trust in Citizen Science Research: A Case Study of the Groundwater Education Through Water Evaluation & Testing Program*. JAWRA. Vol. 48. No. 5: 1032-1040
- Peckenham, J. M., **Thornton, T.**, and Peckenham, P. 2012. *Validation of Student Generated Data for Assessment of Groundwater Quality*. Journal of Science Education and Technology. Vol. 21 No. 2: 287-294
- Thornton, T.** and Leahy, J. 2011. *Changes in Social Capital and Networks of New England: A Study of Community-Based Environmental Management Through a School-Centered Research Program*. Journal of Science Education and Technology. Vol. 21. No. 1: 167-182
- Peckenham, J., **Thornton, T.**, and Whalen, B. 2009. *Sand and Gravel mining: Effects on ground water resources in Hancock County, Maine, USA*. Environ. Geol. 56:1103-1114

**Thornton, T.**, 2006. *Hexazinone Use on Maine's Blueberry Growing Regions: Environmental Impacts to Surface Water and Groundwater from 1983-2005* Electronic Theses and Dissertations.. Paper 1185

Peckenham, J., Schmitt, C., and **Thornton, T.** 2005. *Source Water Lakes and Ponds as Water Quality References*. White Paper, University Council on Water Resources

#### **STUDENT PUBLICATIONS:**

- Stirm, R. and **Thornton, T.** 2019. *“Quantification of Invasive *Osteopilus Septentrionalis* vs. Native *Anurans* in the Arthur R. Marshall Loxahatchee National Wildlife Refuge Boynton Beach, Florida 2013 – Present.”* Submitted to Journal of Herpetology 11.2019
- Rubsamen, J. and **Thornton, T.** 2019. *Ibuprofen and Copper as Chemical Markers to Identify Fecal Waste and Fertilizer in Southeastern Florida Waterways*. Submitted to JAWRA 11.2019 (in review process)
- Bergonzoli, I. and **Thornton, T.** 2019. *Cancerous By-Products Found In Drinking Water As A Result Of Private Well Homeowner Behavior*. Submitted to JAWRA 10.2019
- Campbell, K., and **Thornton, T.** 2019. *The Result of a Local Initiative to Properly Manage Soft Plastics Along South Florida’s Well Known Sea Turtle Nesting Beach: A Case Study of Juno Beach, FL*. Submitted to IJES: Environmental Conservation 12.2018
- Cavard, M. and **Thornton, T.** 2019. *Degradation of Water Quality Through the Use of Synthetic Titanium Dioxide Nanoparticles and Oxybenzone: The Unfamiliarity of the General Public to Sunscreen Toxicity on Coral Reef Biotas*. Submitted to Aquatic Conservation: Marine and Freshwater Ecosystems 10.2018
- Linck, R. Mirkin, E., Dukor, R., and **Thornton, T.** 2019. *Fate and Transport Modeling of Chemical Contaminates Analyzed from Source Waters that Lead to Toxic Megablooms in the Saint Lucie Watershed of South Florida*. Submitted to Environmental Toxicology 10.2018
- Maniti, F. and **Thornton, T.** 2019. *Using a Local Political Action Project to Control Fishery-Generated Soft Plastic Debris on the Turtle Nesting Beaches of Florida’s South-Eastern Coast*. Submitted to IWA Publishing 3.2018
- McClure, M. and **Thornton, T.** 2019. *Quantification of Cypress Loopers in Arthur R Marshall Loxahatchee National Wildlife Refuge*. Submitted to Journal of Env. Ent. 12.2018

#### **PROFESSIONAL CONFERENCE PRESENTATIONS:**

- Thornton, T.** 2019. *Obstacles and Successes Among Community-Based, Place-Based Water Research Education Programs and Communicating Scientific Information with the Public*, Annual AWRA Conf., SLC, UT
- Thornton, T.** 2018. *A Step by Step Format to Engage Stakeholders and Facilitate Community-Based, Place-Based Water Research*. Annual AWRA Conf., Baltimore, MD
- Thornton, T.** 2017. *Methodologies for Educators to Facilitate Community-Based, Place-Based Water Research in Secondary Schools*. Annual AWRA Conf., Portland, OR
- Thornton, T.** 2016. *Encouraging Community-Based Graduate Level Water Research in Secondary Education*. Annual AWRA Conf., Orlando, FL
- Thornton, T.** 2015. *Developing Community-Based Environmental Monitoring Research as Curriculum to Protect Drinking Water Sources*. Annual AWRA Conf., Denver, CO
- Thornton, T.** and Peckenham, J. 2014. *Incorporating and Assessing Newly Implemented Common Core Objectives Through the Evaluation of a School-Centered, Community-Based Research (CBEMR) Project Focused on Student Managed Groundwater Protection*. 50<sup>th</sup> Annual AWRA Conf., Tysons Corner, VA
- Thornton, T.** 2014. *Community-based environmental Monitoring Research as a STEM program*. Green Schools Annual Conf., West Palm Beach, FL
- Thornton, T.** 2014. *Encouraging Graduate Level Research in Secondary Education*. 23<sup>rd</sup> Annual SW FL Water Res. Conf., Fort Myers, FL
- Thornton, T.** 2013. *Developing Meaningful Collaborations through a Community-Based Groundwater Monitoring Research Program*. The Groundwater Foundation National Conf., Orlando, FL
- Thornton, T.** 2013. *Encouraging the Next Generation to Manage and Protect Water Resources*. AWRA Annual Conf., Portland OR
- Peckenham, J., and **Thornton, T.** *Citizen Science Contributions to the Understanding of Well Water Quality*. AWRA Annual Conf. Portland, OR, 2013
- Thornton, T.** 2013. *The Effects of Sea Level Rise on Private Drinking Water Wells*. Sea Level Rise Symposium, West Palm Beach, FL
- Thornton, T.** 2013. *Community-Based Environmental Monitoring Research as Curriculum*. Green Schools National Conf., West Palm Beach, FL
- Peckenham, J., and **Thornton, T.** 2013. *Indicators of Groundwater Quality: Understanding Trends and Uncertainty*. Maine Water Conf., Bangor, ME
- Thornton, T.**, Leahy, J., and Peckenham, J. 2012. *Groundwater Protection through a Citizen-Based Private Well Testing Program*. Annual AWRA Conf., Jacksonville, FL

- Thornton, T.** 2012. *Assuring Collaborative Communities in Environmental Education Research*. STEMtech Conf., The League for Innovation in the Community College, Kansas City, MO
- Thornton, T., Leahy, J., and Peckenham, J.** 2011. *Evaluating a Community Based Environmental Monitoring Research Project (CBEMR) for Successful Private Well Education, Monitoring, and Research*. NE Private Well Water Symp., Southbury, CT
- Thornton, T. and Leahy, J.,** 2011. *Factors that affect the recruitment of professionals and government employees as volunteers in the classroom of a school-based environmental monitoring program*. Citizen Sci. Symp., Orono, ME
- Thornton, T., Leahy, J.** 2011 *Social Capital and Social Network Changes in a School-Centered Research Program that Promotes Community Management of Drinking Water Sources*. Maine Annual Water Conf., Augusta, ME
- Thornton, T., Leahy, J., and Johnson, T.** 2011. *Using a Community Based Environmental Monitoring Research Project (GET WET!) to Determine What Factors of a Place-based Education Project Constitute Successful Community Management of Natural Resources*. Eastern Educational Res. Association Annual Conf., Sarasota, FL
- Thornton, T., Leahy, J., and Johnson, T.** 2010. *Analyzing social networks to determine the benefits of a community based environmental monitoring research project (GET WET!) in natural resource management*. 16th International Symposium on Society and Resource Management, Corpus Christi, TX
- Thornton, T., Straub, C., Leahy, J., Peckenham, J., Wilson, L., Jemison, J., and Mac Rae, J.** 2010. *GET WET! Community-based Groundwater Monitoring, Research, Outreach, and Public Education to Assist Communities in Natural Resource Management*. New Hampshire DES Drinking Water Source Protection, American Ground Water Trust, Concord, NH
- Leahy, J., **Thornton, T.,** Straub, J. 2010. *Evaluating Groundwater Partnerships through a Mixed Method Social Science Approach*. Maine Annual Water Conf., Augusta, ME
- Thornton, T., Straub, C., Leahy, J., Peckenham, J., Wilson, L., Jemison, J., and Mac Rae, J.** 2009. *Using Public Schools as the Community Center to Promote Private Well Education, Monitoring, and Research*. Northeast Private Well Water Symposium, Portland, ME
- Thornton, T., Straub, C., Leahy, J., Peckenham, J., Wilson, L., Jemison, J., and Mac Rae, J.** 2009. *Community Based Research Alternatives for Water Quality Monitoring in the Northeast*. NE Geologic Society of America Annual Conf., Portland, ME
- Straub, C., **Thornton, T., Leahy, J., Peckenham, J., Wilson, L., Jemison, J., and MacRae, J.** 2009. *Citizen Science: Solving Groundwater Issues in New England*. Maine Annual Water Conf., Portland, ME
- Thornton, T. and Peckenham, J.** 2008. *Using Data from Community-Centered Research to Support Management of Groundwater Resources*. Maine Annual Water Conf., Augusta, ME
- Leahy, J., **Thornton, T.,** Straub, C., Peckenham, J., Wilson, L., Jemison, J., and Mac Rae, J. 2008. *Citizen and Volunteer Science: A Review and Future Directions within Human Dimensions Research*. Vermont EPSCoR/NSF Water Dynamics Conf., Burlington, VT
- Thornton, T. and Peckenham, J.** 2007. *The Relationship between Sand and Gravel Mining and Water Resources: Community Centered Research to Support Groundwater Management*. American Water Resources Assoc. Annual Conf., Albuquerque, NM
- Thornton, T. and Peckenham, J.** 2006. *Can Gravel Mining and Water Supply Wells Coexist?* AWRA Annual Conf., Baltimore, MD
- Thornton, T. and Peckenham, J.** 2005. *The Future of Drinking Water in Maine*. New England Water Works Association 124th Annual Conf., Rockland, ME
- Thornton, T.** 2005. *Hexazinone Movement from Upland Soils to Surface Waters via Groundwater*. Maine Annual Water Conf., Augusta, ME
- Thornton, T. and Osher, L.** 2005. *Hexazinone Movement from Upland Soils to Surface Waters via Groundwater*. NE Branch Amer. Society of Agronomy/Soil Science Society of Amer., Bordentown, NJ
- Thornton, T.** 2004. *Tracking Hexazinone from Upland to Estuary*. Maine Ann. Water Conf., Augusta, ME

## SECONDARY STUDENT PROFESSIONAL CONFERENCE PRESENTATIONS:

### *Papers*

- Rubsamen, J. and **Thornton, T.** 2018. *Using Ibuprofen and Copper as Chemical Markers to Identify Human Waste, Animal Waste, and Fertilizers in Six Municipalities of Southeastern Florida Coastal Waterways*. Annual AWRA Conf., Baltimore, MD
- Cavard, M. and **Thornton, T.** 2017. *Degradation of Water Quality Through the Use of Synthetic Titanium Dioxide Nanoparticles and Oxybenzone: The Unfamiliarity of the General Public to Sunscreen Toxicity on Coral Reef Biotas*. Annual AWRA Conf., Portland, OR **AWARDED 1<sup>st</sup>**

- Linck, R. Mirkin, E., Dukor, R., and **Thornton, T.** 2017. *Fate and Transport Modeling of Chemical Contaminates Analyzed from Source Waters that Lead to Toxic Megablooms in the Saint Lucie Watershed of South Florida*. Annual AWRAC Conf., Portland, OR
- Maniti, F. and **Thornton, T.** 2017. *Using a Local Political Action Project to Control Fishery-Generated Soft Plastic Debris on the Turtle Nesting Beaches of Florida's South-Eastern Coast*. Annual AWRAC Conf., Portland, OR
- Garellick, B. and **Thornton, T.** 2016. *Evaluating the Knowledge of Self-Reported Environmentalists' Regarding Incentives and Enforcements of the Everglades Federal Mandates*. Annual AWRAC Conf., Orlando, FL
- Hong, M. and **Thornton, T.** 2016. *Quantification of the Herbicide Atrazine in the Canals of the Eastern Everglades and in the Caloosahatchee Watershed*. Annual AWRAC Conf., Orlando, FL
- Zhang, N. and **Thornton, T.** 2016. *Necrosis in The Caloosahatchee Watershed and Lower San Carlos Bay: Using Computer Models to Compare the Effects of Precipitation Runoff to Lake Okeechobee Releases*. Annual AWRAC Conf., Orlando, FL
- Bergonzoli, I. and **Thornton, T.** 2015. *The Behavior Economics of a Private Well Water Community in the Face of an Unexplained Cancer Scare*. Annual AWRAC Conf., Denver, CO, **AWARDED 4<sup>th</sup>**
- Stirm, P. and **Thornton, T.** 2015. *A Three-Year Study on the Health Effects of Glyphosate on Vegetation in the Arthur R Marshall Loxahatchee National Wildlife Refuge Cypress Swamp 2013-2015*. Annual AWRAC Conf., Denver, CO **AWARDED: Honorable Mention**
- Stirm, P. and **Thornton, T.** 2015. *A Comparative Study of Stabilizing Beach Vegetation and Structures Between Fort Lauderdale and Jupiter, Florida*. Annual AWRAC Conf., Denver, CO
- Bergonzoli I., and **Thornton, T.** 2014. *Contaminants in Drinking Water as a Result of Private Well Homeowner Behavior*. 50<sup>th</sup> Annual AWRAC Conf., Tysons Corner, VA
- Silvestrini, J., and **Thornton, T.** 2014. *Using Native Algae Coelastrum (Col.) 108-5 to Manage Industrial Effluents and Filter Wastewater*. 50<sup>th</sup> Annual AWRAC Conf., Tysons Corner, VA

## Posters

- Alexis, K., Pearson, D., and **Thornton, T.** 2019, *The Validation of Carbon Sequestration in the Histosol Soils of the West Palm Beach Florida Drinking Water Source, Grassy Waters Preserve*, Annual AWRAC Conference, SLC, UT
- Boldman, M., and **Thornton, T.** 2019, *Identification of Toxic Microcystis and  $\beta$ -methylamino-L-alanine in the Canals, Rivers, and Intracoastal Waterways of the Lake Okeechobee Outflow*, Annual AWRAC Conf., SLC, UT
- Estees, C. and **Thornton, T.** 2019, *Quantifying Pharmaceutical NSAID Flunixin in Surface and Ground Waters Within Polo Communities, Southeast Florida*, Annual AWRAC Conference, SLC, UT
- Llyod-George, S., **Thornton, T.**, Turcott, B., and Ballwig, A. 2019. *Development of a Mobile Phone Application to Crowd Source and Distribute Real-Time Information Regarding Algal Blooms in the South Florida Waters*, Annual AWRAC Conference, SLC, UT
- Carter, L. and **Thornton, T.** 2019. *Mapping the Pharmaceutical NSAID Flunixin in Surface Waters as a Result of Runoff from Large Animal Waste, Southeast Florida*. 27<sup>th</sup> An. Southwest Fl. Water Res. Conference, Ft Myers, FL
- Conklin, M. and **Thornton, T.** 2019. *Using Ibuprofen as a Marker for Septic Waste in Private Well Water in the Flood Prone Residential Areas of Jupiter, FL*. 27<sup>th</sup> An. Southwest Fl. Water Res. Conference, Ft Myers, FL
- McKenna, Q., and **Thornton, T.** 2019. *Identification of Toxic Microcystis and  $\beta$ -methylamino-L-alanine in Coastal Golf Course Ponds*. 27<sup>th</sup> An. Southwest Fl. Water Res. Conference, Ft Myers, FL
- Llyod-George, S., Turcott, B., and **Thornton, T.** 2019. *Development of a Community-Driven Mobile Phone Application to Map and Identify Beta-Methylamino-L-Alanine Contamination in the South Florida Region*. 27<sup>th</sup> An. Southwest Fl. Water Res. Conference, Ft Myers, FL
- Rubsamen, J. and **Thornton, T.** 2018. *Using Ibuprofen and Copper as Chemical Markers to Identify Human Waste, Animal Waste, and Fertilizers in Six Municipalities of Southeastern Florida Coastal Waterways*. 27<sup>th</sup> An. Southwest Fl. Water Res. Conference, Ft Myers, FL **AWARDED 1<sup>st</sup>**
- Weger, B., Tremain, D. M., and **Thornton, T.** 2019. *Bioaccumulation of Methylmercury Levels in Lionfish (Scorpaenidae) from the Southeast Atlantic Waters*. 27<sup>th</sup> An. Southwest Fl. Water Res. Conference, Ft Myers, FL **AWARDED 2<sup>nd</sup>**
- Carter, L. and **Thornton, T.** 2018. *The Determination of the Pharmaceutical NSAID Flunixin in Surface Water Sources as a Result of Large Animal Waste Runoff in Rural Communities of South Florida*. Annual AWRAC Conf., Baltimore, MD **AWARDED 1<sup>st</sup>**
- Conklin, M. and **Thornton, T.** 2018. *Fecal Contamination in Private Well Water from Septic Tanks in the Flood Prone Residential Areas of Jupiter, FL*. Annual AWRAC Conf., Baltimore, MD
- Weger, B., Tremain, D. M., and **Thornton, T.** 2018. *Bioaccumulation of Methylmercury Levels in Lionfish (Scorpaenidae) Based Off Fish Length and Mass From The Southeast Atlantic Floridian Waters*. Annual AWRAC Conf., Baltimore, MD

- McKenna, Q., and **Thornton, T.** 2018. *The Quantification of Toxic Microcystis and  $\beta$ -methylamino-L-alanine Beyond the Visible Periphery of Algal Super Plumes*. Annual AWRA Conf., Baltimore, MD
- Llyod-George, S., Turcott, B., and **Thornton, T.** 2018. *Development of a Mobile Phone Application to Detect Beta-Methylamino-L-Alanine Contamination in the South Florida Region*. Annual AWRA Conf., Baltimore, MD
- Garelick, S. J. Dukor, R. and **Thornton, T.** 2018. *Characterization and Comparison of Human, Bovine, Sheep, Pig, Goat and Rat Serum Albumins by FT-IR Spectroscopy and Sequence Comparison*. American Chemical Society Conf., Tampa, FL
- Stirm, R. and **Thornton, T.** 2018. *Quantification of Invasive *Osteopilus Septentrionalis* vs. Native Anurans in the Arthur R. Marshall Loxahatchee National Wildlife Refuge Boynton Beach, Florida 2013 – Present*. 41st Annual Herpetology Conf., Gainesville, FL
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### Professional Working Proficiency in Spanish