

ANNA CHRISTINA TYLER

Thomas H. Gosnell School of Life Sciences
Program in Environmental Science
Rochester Institute of Technology
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EDUCATION

- 2002 Ph.D. Environmental Sciences, concentration Ecology
University of Virginia
Dissertation: *Impact of benthic algae on dissolved organic nitrogen in a temperate, coastal lagoon.*
Advisor: Karen J. McGlathery
- 1997 M.S. Environmental Sciences, concentration Ecology
University of Virginia
Thesis: *Geomorphological and hydrological controls on pattern and process in a developing barrier island salt marsh.*
Advisor: Joseph C. Zieman
- 1991 B.S. Biological Sciences, concentration Ecology and Systematics
Cornell University, with Distinction
- 1989 School for Field Studies, Kenyan Wildlife Ecology and Management
Northeastern University

EMPLOYMENT HISTORY

- 2014 – Associate Professor, Thomas H. Gosnell School of Life Science, Rochester Institute of Technology, Rochester, NY
- 2014 – Affiliated Faculty, Department of Public Policy, Rochester Institute of Technology, Rochester, NY
- 2013 – Extended Faculty, Golisano Institute of Sustainability, Rochester Institute of Technology, Rochester, NY
- 2012 – 2017 Director, Graduate Program in Environmental Science, Thomas H. Gosnell School of Life Science, Rochester Institute of Technology, Rochester, NY
- 2009 – 2014 Assistant Professor, Thomas H. Gosnell School of Life Science, Rochester Institute of Technology, Rochester, NY
- 2006 - 2009 Research Assistant Professor, Rochester Institute of Technology, Rochester, NY
- 2007 - 2008 Research Fellow, Department of Ecology & Evolutionary Biology, Cornell University, Ithaca, NY
- 2005 - 2006 Postdoctoral Research Associate, Department of Ecology and Evolutionary Biology, Cornell University, Ithaca, NY
- 2002 - 2006 Postdoctoral Researcher, Department of Environmental Science & Policy, University of California, Davis
- 2000 - 2008 Instructor of Biology, University of Virginia, field course in the Bahamas

- 2001 - 2002 Adjunct Instructor of Biology, Mary Baldwin College, Staunton, VA
1994 - 2001 Teaching Assistant, University of Virginia
1994 - 1998 Research Assistant, Department of Environmental Sciences, University of Virginia,
Virginia Coast Reserve Long Term Ecological Research Project
1993 - 1994 Laboratory Technician, United States Geological Survey, Division of Water
Resources, Menlo Park, CA
1992 - 1993 Research Intern, The Bay Institute of San Francisco, Sausalito, CA
1990 Research Assistant, Cornell University, Ithaca, NY

CURRENT RESEARCH

- Improving wetland restoration by integrating biotic and abiotic drivers of ecosystem functions and services
Assessment of salt marsh resilience and blue carbon potential using high resolution remote sensing
Impact of engineered nanomaterials and microplastic pollution on aquatic ecosystem functions and services
Ecological impacts of food waste digestate disposal
Invasive species detection using artificial intelligence

AWARDS, FELLOWSHIPS AND GRANTS

- 2020 – 2021 US Army Corps of Engineers, “Sample Analysis for Separation and Polymer Identifications of Microplastic Particles from Water, Sediment and Atmospheric Matrices”. (\$60,124; co-PI with Nathan Eddingsaas)
2020 – 2023 National Science Foundation, “REU Site: Interdisciplinary Problem Solving in Human Dominated Wetland Ecosystems”. (\$404,437; co-PI with Carmody McCalley)
2020 Waste Management Corporation, “Habitat assessment, restoration and research at the High Acres Nature Area and Mill Seat Wetland Mitigation Projects”. (\$39,695; PI)
2020 – 2022 National Oceanic and Atmospheric Administration: New York State Sea Grant, “Impacts of Microplastic Pollution on Benthic Ecosystem Functions and Services”. (\$237,140; PI with Matt Hoffman, Nathan Eddingsaas, André Hudson, Steven Day).
2019 – 2020 New York State Pollution Prevention Institute, “Plastic Pollution in the Great Lakes”. (\$5,000 to RIT; Institutional PI with Matt Hoffman and the Rochester Museum and Science Center [lead])
2019 – 2021 New York State Department of Environmental Conservation, “Using Artificial Intelligence on Street View Imagery to Detect Five Key Invasive Plant Species in New York State”. (\$124,986; co-PI with Chris Kanan)
2019 Waste Management Corporation, “Habitat assessment, restoration and research at the High Acres Nature Area and Mill Seat Wetland Mitigation Projects” (\$27,000; PI)
2018 National Geographic Society. Support for Women Travel Grant. (\$2,821; PI)

- 2018 – 2019 College of Science Dean’s Research Initiation Grant. “Developing a cross-disciplinary research cluster studying the input, fate, and effects of plastic pollution in the Great Lakes”. (\$25,000; Co-PI with Matt Hoffman and Nathan Eddingsaas)
- 2018 – 2024 National Science Foundation, Division of Environmental Biology. “LTER: Climate drivers, dynamics, and consequences of ecosystem state change in coastal barrier systems” (\$6,720,000; Affiliated Researcher – provides housing, boats, and support staff at field station).
- 2018 – 2020 National Geographic Society, “Improving estimates of salt marsh resilience and Coastal Blue Carbon” (\$29,992; PI with Charles Bachmann)
- 2018 – 2019 National Oceanic and Atmospheric Administration: New York State Sea Grant, “Increasing Public Stormwater Education, Outreach and Participation within the Shipbuilder’s Creek Watershed” (\$4,385; PI)
- 2018 Waste Management Corporation, “Habitat Assessment at the High Acres Nature Area” (\$14,900; PI)
- 2018 RIT ADVANCE, CONNECT Grant. “Developing Reflective, Instrumental, Transformational Women Leaders (Developing RIT Women Leaders)” (\$13,000; co-PI with Kara Maki, dt Ogilvie, Kate Wright)
- 2017 Waste Management Corporation, “Habitat Assessment at the High Acres Nature Area” (\$14,500; PI)
- 2017 -- 2018 ADVANCE, CONNECT. “Developing from Within: Creating Mindful Women Leaders and Mentors in the College of Science” (\$6,000; PI with Kate Wright)
- 2016-2021 National Science Foundation, “INFEWS/T3: Managing Energy, Water, and Information Flows for Sustainability across the Advanced Food Ecosystem” (\$991,925; SP with Callie Babbitt (PI) and others)
- 2016– 2018 Provost’s Grants for Interdisciplinary Teaching. “Climate Change Curriculum at Rochester Institute of Technology: 3C@RIT” (\$18,500; co-PI with Nathan Eddingsaas, Eric Hittinger, Matthew Hoffman)
- 2016 Waste Management Corporation, “Habitat Assessment at the High Acres Nature Area” (\$14,550; PI)
- 2015 – 2016 College of Science Dean’s Research Initiation Grant. “Scaling Estimates of Saltmarsh Contributions to Blue Carbon from High-resolution Hyperspectral Imaging”. (\$15,000; PI with Chip Bachmann)
- 2015 – 2016 College of Science Dean’s Research Initiation Grant. “Does wetland creation increase greenhouse gas emission?”. (\$14,900; co-PI with Nathan Eddingsaas and Carrie McCalley)
- 2015 Waste Management Corporation, “Habitat Assessment at the High Acres Nature Area” (\$21,750; PI)
- 2014 – 2018 National Science Foundation, “Direct and Embodied Ecological Impacts across the Fullerene Life Cycle”, (\$300,854, co-PI with Callie Babbitt (PI) and Gabrielle Gaustad)
- 2014 College of Science Faculty Education and Development Grant. “Development of ecosystem-level metrics of engineering nanomaterials” (\$5,461; PI with Sandra Connelly)

- 2014 Waste Management Corporation, “Habitat Assessment at the High Acres Nature Area” (\$20,250; PI)
- 2013 - 2014 Student Learning @ RIT Assessment Grant. “Improving Data Collection & Closing the Assessment Loop”. (\$1,250, Co-PI, with Elizabeth Hane (PI) and Karl Korfmacher)
- 2013 Keep America Beautiful. “Restoration of migratory bird habitat at High Acres Nature Area”. (\$4,000; PI)
- 2012 - 2013 RIT Office of Graduate Studies and Office of the Provost: Innovation in Graduate Education – Strategic Seed Fund. “An innovative teaching assistant training program for the Life Sciences”. (\$4,000; Co-PI Michael Osier and Anne Houtman)
- 2012 College of Science Faculty Education and Development Grant. “Are small, restored wetlands ecological hotspots?” (\$2,635; PI)
- 2012 - 2015 National Science Foundation, “Evaluating sustainable production and consumption dynamics in complex product systems” (\$298,609; co-PI with Callie Babbitt [PI] and Eric Williams)
- 2012 - 2014 National Oceanic and Atmospheric Administration, Alaska Department of Fish and Game, Alaska Sustainable Salmon Fund, “Juvenile salmon headwater rearing habitat”. (\$542,709 total; subaward \$98,910 to RIT; PI)
- 2011 - 2013 National Technical Institute for the Deaf: Innovation Fund. “Undergraduate Student Research of Natural Waters: The Role of Climate Change and the Impact on Drinking Water Supply”. (\$65,000; co-PI with Todd Pagano [PI])
- 2011 - 2013 Waste Management Corporation, “Habitat Assessment at the High Acres Nature Area” (\$39,250; PI)
- 2011 - 2013 Environmental Protection Agency, Five Star Restoration Grant, “Buckland Creek Restoration”. (\$9,788; RIT PI with Rochester Museum and Science Center)
- 2011 - 2012 Great Lakes Innovative Stewardship through Education Network, National Center for Science and Civic Engagement (\$32,500; co-PI with K. Korfmacher [PI])
- 2010 College of Science Faculty Education and Development Grant. “Water quality in Western New York: pilot studies of the interaction among inorganic and organic pollutants, aquatic plants and aquatic invertebrates. (\$4,000; PI)
- 2010 - 2012 Rochester City School District (via NY State Education Department), “Focus on Inquiry: Improving Science Instruction in Rochester” (\$109,539; co-PI with Doug Merrill [PI] and Robert Osgood)
- 2009 - 2012 National Science Foundation, Undergraduate Research Mentoring, “The RIT Undergraduate Research Diversity Initiative: Increasing Participation of Deaf and AALANA Students in the Research Scholars Program”, (\$330,605 total; H. Sweet, D. Newman, PIs, \$18,800 for ACT student support as key personnel)
- 2009 RIT Office of the Vice President for Research Equipment Grant. Equipment grant for establishment of Aquatic Ecology Research Cluster. (\$55,450; with Sandra Connelly)
- 2008 - 2012 National Science Foundation, Geosciences Directorate – Chemical Oceanography, “RUI: Feedbacks among benthic fauna, algae and biogeochemical cycling during eutrophication of a shallow estuary” (\$305,965; PI)
- 2003 DIALOG V Symposium participant (sponsored by ASLO)

- 1999 - 2002 Science to Achieve Results Graduate Fellowship, U.S. Environmental Protection Agency (\$76,631)
- 1999 Moore Research Award, Dept. of Environmental Sciences (\$3,000)
- 1998 Fred Holmsley Moore Distinguished Teaching Assistant, University of Virginia
- 1998 Grant-in-Aid of Research Award, Phycological Society of America (\$500)
- 1997 Student Presentation Award, Estuarine Research Federation Conference
- 1997 Best Student Presentation, Chesapeake Region Association of Biogeochemists
- 1996 Graduate Award in Ecology, Department of Environmental Sciences, University of Virginia
- 1996, 1999 William Bannon Research Award, Dept. of Environmental Sciences (\$1500)
- 1994 - 1997 University of Virginia Presidential Fellowship

PEER REVIEWED PUBLICATIONS

Student co-authors in bold

Lodge, K.A., Tyler, A.C. 2020. *Divergent impact of grazing on plant communities of created wetlands with varying hydrology and antecedent land use*. *Wetlands Ecology and Management*. 28:797-813.

Goldsmith, S.B., **Eon, R.**, **Lapszynski, C.**, **Badura, G.**, Osgood, D.T., Bachmann, C.M., Tyler, A.C. 2020. *Assessing salt marsh vulnerability using high-resolution hyperspectral imaging*. *Remote Sensing*. 12:2938.

Kasulaitis, B., Babbitt, C.W., Tyler, A.C. 2020. *The role of consumer preferences in reducing material intensity of electronic products*. *Journal of Industrial Ecology*.

Kasulaitis, B., Babbitt, C.W., Tyler, C. 2020. *Electronic product adoption: consumer survey questionnaire, data, and interpreted results*. figshare dataset.
<https://doi.org/10.6084/m9.figshare.12444044.v2>

Eon, R., Bachmann, C.M., **Lapszynski, C.**, Tyler, A.C., **Goldsmith, S.B.** 2020. *Retrieval of Sediment Filling Factor in a Salt Panne from Multi-View Hyperspectral Imagery*. *Remote Sensing*. 12: 422.

Moore, E.A., Babbitt, C.W., Tyler, A.C., Tomaczewski, B. 2020. *Spatial Perspective Informs Potential for Nanomaterial Accumulation Risks*. *Journal of Industrial Ecology*. DOI: 10.1111/jiec.12976

Eon, R., **Goldsmith, S.B.**, Bachmann, C.M., Tyler, A.C., **Lapszynski, C.**, **Badura, G.**, Osgood, D.T., **Brett, R.** 2019. *Retrieval of salt marsh above-ground biomass from high-spatial resolution, multi-view hyperspectral imagery using PROSAIL*. *Remote Sensing*. 11: 1385.

Ponte, S., **Moore, E.A.**, **Border, C.T.**, Babbitt, C.W., Tyler, A.C. 2019. *Fullerene toxicity in the benthos with implications for freshwater ecosystem services*. *Science of the Total Environment*. 687: 451-459.

- Moore, E.A.**, Babbitt, C.W., Connelly, S.J., Tyler, A.C., **Rogalskyj, G.** 2019. *Cascading Ecological Impacts of Fullerenes in Freshwater Ecosystems*. Environmental Toxicology and Chemistry. 38: 1714-1723. doi: 10.1002/etc.4465
- Parthasarathy, A., Tyler, A.C., Hoffman, M.J., Savka, M., Hudson, A.O. 2019. *Plastic pollution in aquatic and terrestrial environments: Is this a driver for the transmission of pathogens and the evolution of antibiotic resistance?* Environmental Science and Technology. 53: 1744-1745.
- Badura, G.P.**, Bachmann, C.M., Tyler, A.C., **Goldsmith, S., Eon, R.S., Lapszynski, C.S.** 2019. *A Novel Approach for Deriving LAI of Salt Marsh Vegetation Using Structure from Motion and Multi-Angular Spectra*, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing. 12: 599-613.
- Kuntz, K.L.**, A.C. Tyler. 2018. *Bioturbating invertebrates enhance decomposition and nitrogen cycling in urban stormwater ponds*. Journal of Urban Ecology. doi: 10.1093/jue/juy015
- Harrison, M.M.**, A.C. Tyler, T.E. Pagano, C.E. Hellquist. 2017. *Phenolic content of invasive and non-invasive emergent wetland plants* Aquatic Botany. 136:146-154.
- Bida, M.R.**, A.C. Tyler, T.E. Pagano. 2015. *The Influence of Watershed Land Use on the Composition of Dissolved Organic Matter Entering Conesus Lake, NY*. Journal of Great Lakes Research. 41:730-742.
- L.K. Reynolds, M.F. Muth**, K.J. McGlathery, R.M. Marino, M. Hayn, A.C. Tyler, **N.A. McLenaghan**, R.W. Howarth. 2015. *Grazers control nitrogen fixation by eelgrass epiphytes in a temperate coastal bay*. Marine Ecology Progress Series. 526: 11-19.
- Ryen, E.G.**, A.C. Tyler, C. Babbitt, G. Babbitt. 2014. *Community Ecology Perspectives on the Structural and Functional Evolution of Consumer Electronics*. Journal of Industrial Ecology. 18: 708-721.
- Premo, K.M.**, A.C. Tyler. 2013. *Threat of predation alters the ability of benthic invertebrates to modify sediment biogeochemistry and benthic microalgal abundance*. Marine Ecology Progress Series. 494: 29-39.
- Yarrington, C.S.**, A.H. Altieri, A.C. Tyler. 2013. *Do snails facilitate bloom-forming macroalgae in a eutrophic estuary?* Journal of Experimental Marine Biology and Ecology. 446: 253-261.
- McLennaghan, N.A.**, A.C. Tyler, U. Mahl, R. Howarth, R. Marino. 2011. *Benthic macroinvertebrate diversity regulates nutrient and algal dynamics in a shallow estuary*. Marine Ecology Progress Series. 426: 171-184.
- Mahl, U.M., A.C. Tyler & E.D. Grosholz. 2011. *The impact of benthic invertebrates on porewater ammonium and sulfide: consequences for Spartina seedling growth*. In: Ayres, DR, DW Kerr, SD Ericson and PR Olofson, Eds. Proceedings of the Third International Conference on Invasive *Spartina* (San Francisco, CA), San Francisco Estuary Invasive *Spartina* Project of the State Coastal Conservancy (California), Cambridge Publications Limited, Cambridge, UK.

- Tyler, A.C. & E.D. Grosholz. 2011. *Spartina invasion changes intertidal ecosystem metabolism in San Francisco Bay*. In: Ayres, DR, DW Kerr, SD Ericson and PR Olofson, Eds. Proceedings of the Third International Conference on Invasive *Spartina* (San Francisco, CA), San Francisco Estuary Invasive *Spartina* Project of the State Coastal Conservancy (California), Cambridge Publications Limited, Cambridge, UK.
- Christian, R.R., C.M. Voss, C. Bondavalli, P. Viaroli, M. Naldi, A.C. Tyler, I.C. Anderson, K.J. McGlathery, R.E. Ulanowicz & V. Camacho-Ibar. 2010. *Ecosystem Health Indexed through Networks of Nitrogen Cycling*. In: Paerl, H.W. and M. J. Kennish (eds). Coastal Lagoons: Systems of Natural and Anthropogenic Change. CRC Press. Boca Raton, FL.
- Grosholz, E.D., L.A. Levin, A.C. Tyler, and C. Neira. 2009 *Changes in community structure and ecosystem function following Spartina alterniflora invasion of Pacific estuaries*. In: B. R. Silliman, E.D. Grosholz and M.D. Bertness, eds. Human Impacts on Salt Marshes: A Global Perspective. University of California Press, Berkeley, CA.
- Tyler, A.C., J.G. Lambrinos & E.D. Grosholz. 2007. *Nitrogen inputs promote the spread of an invasive marsh grass*. Ecological Applications. 17: 1886-1898.
- Thomsen M.S., K.J. McGlathery & Tyler A.C. 2006. *Macroalgal distribution patterns in a shallow, soft-bottom lagoon, with emphasis on the nonnative Gracilaria vermiculophylla and Codium fragile*. Estuaries and Coasts. 29: 465-473.
- Tyler, A.C. & K.J. McGlathery. 2006. *Uptake and release of nitrogen by the macroalgae Gracilaria tikvahiae (Rhodophyta) across a nutrient gradient in a coastal lagoon: estimates based on ¹⁵N isotope dilution*. Journal of Phycology. 42: 515-525.
- Tyler, A.C., K.J. McGlathery & S.A. Macko. 2005. *Uptake of urea and amino acids by the macroalgae Ulva lactuca (Chlorophyta) and Gracilaria vermiculophylla (Rhodophyta)*. Marine Ecology Progress Series. 294: 161-172.
- Tyler, A.C. & K.J. McGlathery & I.C. Anderson. 2003. *Benthic algae control sediment-water column fluxes of nitrogen in a temperate lagoon*. Limnology and Oceanography. 48: 2125-2137.
- Tyler, A.C., T.A. Mastrorica, K.J. McGlathery. 2003. *Nitrogen fixation and nitrogen limitation of primary production along a natural marsh chronosequence*. Oecologia. 136: 431-438.
- Anderson, I.C., K.J. McGlathery & A.C. Tyler. 2003. *Microbial mediation of reactive nitrogen transformations in a temperate lagoon*. Marine Ecology Progress Series. 246: 73-84.
- Tyler, A.C. & K.J. McGlathery & I.C. Anderson. 2001. *Macroalgal mediation of dissolved organic nitrogen fluxes in a temperate coastal lagoon*. Estuarine, Coastal and Shelf Science. 53: 155-168.
- McGlathery, K.J., I.C. Anderson & A.C. Tyler. 2001. *Magnitude and variability of benthic and pelagic metabolism in a temperate coastal lagoon*. Marine Ecology Progress Series. 216: 1-15.
- Havens, K.E., J. Hauxwell, A.C. Tyler, S. Thomas, I. Valiela, K.J. McGlathery, J. Cebrian, A.D. Steinman, S.-J. Hwang. 2001. *Complex interactions between primary producers in shallow*

marine and freshwater ecosystems: implications for community responses to nutrient stress. Environmental Pollution. 113: 95-107.

Tyler, A.C. & J.C. Zieman. 1999. *Patterns of development in the creekbank region of a barrier island Spartina alterniflora marsh.* Marine Ecology Progress Series. 180: 161-177.

OTHER PUBLICATIONS AND OUTREACH

Tyler, A.C. WXXI News NPR Affiliate. [RIT researchers using grant to study microplastics pollution in Lake Ontario](#). June 8, 2020

Hoffman, M.J. Tyler, A.C. PBS [Great Lakes Now: Plastic in the Lakes](#). July 25, 2019.

Tyler, A.C. Michigan Public Radio, Stateside, [What happens to plastic when it gets into the Great Lakes?](#) September 5, 2018.

Hoffman, M.J., Tyler, A.C. [Tons of plastic trash enter the Great Lakes every year – where does it go?](#) The Conversation. August 20, 2018.

Tyler, A.C. 2002. *Impact of benthic algae on dissolved organic nitrogen in a temperate, coastal lagoon.* Ph. D. Dissertation. University of Virginia. 253p.

Tyler, A.C. 1997. *Geomorphological and hydrological controls on pattern and process in a developing barrier island salt marsh.* MS Thesis. University of Virginia. 176p.

Caffrey, J.M., B.E. Cole, J.E. Cloern, J.R. Rudek, A.C. Tyler, and A.D. Jassby. 1994. *Studies of the San Francisco Bay, California, Estuarine Ecosystem. Pilot Regional Monitoring Results, 1993.* USGS Open-File Report 94-82. 412p.

TEACHING EXPERIENCE

2020	Environmental Workshop
2019 - 2020	Environmental Science Graduate Studies I and II
2019 -	Aquatic Ecology Seminar (5 sections)
2018	International Marine, Coastal, and Freshwater Ecosystems (Faculty-led study abroad in Russia)
2015 - 2016	Environmental Science Graduate Studies
2015 -	Environmental Science Capstone Seminar I and II (10 sections)
2015 -	Climate Change: Science, Technology and Policy (co-instructor; 5 sections)
2012	Graduate Readings in Environmental Science (1 section)
2010	Graduate Environmental Chemistry (co-instructor, 1 section)
2009 -	Marine Biology and Advanced Marine Biology (5 sections each)
2009	Biology Symposium (1 section)
2007 -	Environmental Science Field Skills (12 sections)
2006 -	Concepts of Environmental Science (10 sections; course coordinator)
2001 - 2002	Environmental Issues, Mary Baldwin College, Staunton, VA (3 sections)

- 2000 - 2008 Tropical Field Biology, Field course in San Salvador, Bahamas, University of Virginia (7 sections)
- 1999 - 2001 Undergraduate honors research mentor, University of Virginia (4 students)
- 1997 Estuarine Ecology Laboratory, University of Virginia (Teaching Assistant, 1 section)
- 1996 Field Methods in Terrestrial Ecology, University of Virginia (Teaching Assistant, 1 section)
- 1994 - 1998 Fundamentals of Ecology Laboratory, University of Virginia (Head Teaching Assistant, 4 sections)

PROFESSIONAL SOCIETIES

American Society of Limnology and Oceanography
Ecological Society of America
International Coastal and Estuarine Research Federation
Rochester Academy of Sciences
Great Lakes Research Consortium
International Association of Great Lakes Research
American Geophysical Union

INVITED SEMINARS AND SYMPOSIA

Hoffman, M.J., Tyler, A.C. 2019. *Aquatic plastic pollution: state of the science and knowledge gaps*. Highlands of Pittsford. Pittsford, NY

Tyler, A.C. 2019. *Community partnerships to achieve conservation, education, research and regulatory goals*. New York State Compact for Sustainability in Higher Education Conference. Rochester, NY

Tyler, A.C., Bachmann, C. M. 2018. *Addressing High Spatial Heterogeneity in Salt Marsh Primary Production Using High Resolution Remote Sensing*. National Geographic Explorers Meeting.

Tyler, A.C. 2018. *Wetland restoration in a changing world*. University of Rochester Sustainability Seminar Series. Rochester, NY.

Tyler, A.C. 2018. *Wetland restoration in a changing world*. Golisano Institute for Sustainability. Rochester Institute of Technology, Rochester, NY.

Tyler, A.C. 2018. *Wetland restoration in a changing world*. New York State Wetlands Forum. Watkins Glen, NY.

Tyler, A.C. 2018. *Wetland restoration in a changing world*. Barnes and Noble Science Café. Pittsford, NY.

Tyler, A.C. 2017. *Wetland restoration*. Monroe County Environmental Commission. Rochester, NY.

Tyler, A.C. 2017. *Ecosystem restoration and the importance of environmental and community context*. New York Water Environment Association. Rochester, NY.

Tyler, A.C., **Lodge, K., Williams, T.**, Celeste, J, Fornof, N., Zayatz, R. Cady, B., Cady, M.A., Waud, J. 2016. *Partnerships for wetland restoration to achieve regulatory, conservation and education goals*. International Association of Great Lakes Research Annual Conference. Guelph, Ontario, Canada.

Tyler, A.C. 2009. *Biodiversity and ecosystem functioning in the intertidal zone: invertebrates, invaders and macroalgal blooms*. University of Virginia, Department of Environmental Science. Invited Seminar.

Tyler, A.C., U.H. Mahl, E.D. Grosholz. 2007. *Biodiversity and ecosystem functioning in the intertidal zone: invertebrates, invaders and macroalgal blooms of San Francisco Bay*. Cornell University, Department of Ecology and Evolutionary Biology. Invited seminar.

Tyler, A.C. 2007. *A tale of two estuaries: the invasion of Atlantic smooth cordgrass on the Pacific Coast*. Rochester Institute of Technology, Department of Biological Sciences. Invited seminar.

Tyler, A.C. & E.D. Grosholz. 2004. *Spartina invasion changes intertidal metabolism in San Francisco Bay*. Western Society of Naturalists Annual Meeting. Rohnert Park, CA. Invited symposium speaker.

Tyler, A.C. 2004. *Algal control of nitrogen cycling in a shallow lagoon*. University of California – Davis, Hydrological Sciences Group. Invited seminar.

Tyler, A.C. 2003. *Ecosystem changes resulting from Spartina alterniflora invasion of Pacific estuaries*. California State University – Chico, Department of Biology. Invited seminar.

Tyler, A.C., E.D. Grosholz, J.G. Lambrinos & J.C. Civile. 2003. *Changes in carbon and nitrogen cycling in Pacific Estuaries following invasion of Spartina alterniflora*. Ecological Society of America Meeting. Savannah, GA. Invited symposium speaker.

SERVICE EXPERIENCE

SERVICE TO PROFESSION

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|-------------|---|
| 2020 – 2021 | Session Co-Chair – State of Lake Ontario Conference, Plastic Pollution in Lake Ontario |
| 2020 | Co-Editor – Special Issue Remote Sensing: Monitoring Salt Marsh Condition with Remote Sensing |
| 2020 | Great Lakes Marine Debris Program – co-lead for RIT’s role in action agenda |

- 2019 Session Chair International Association of Great Lakes Research Annual Conference (lead organizer for two sessions)
- 2015 Panelist – NSF Experimental Program to Stimulate Competitive Research
- 2015 Panelist – NSF International Programs
- 2013 Panelist – NSF Division of Environmental Biology
- 2010 Panelist – NSF Division of Environmental Biology
- 2009, 2013 Session Co-Chair Coastal and Estuarine Research Federation International Conference
- 2008 Session Moderator, Rochester Academy of Sciences
- 2002 - present Ad hoc proposal reviewer for National Science Foundation (Divisions of Environmental Biology, GeoSciences (Chemical Oceanography), International Programs), CalFed Bay Delta Authority, Cooperative Institute for Estuarine Environmental Technology, Estonian Science Foundation, Graduate Women in Science, Maryland SeaGrant (NOAA), Delaware SeaGrant (NOAA), Woods Hole SeaGrant (NOAA), National Geographic Society.
- 2001 - Regular manuscript reviewer for *Aquatic Botany*, *Aquatic Ecology*, *Aquatic Microbial Ecology*, *Climate Research*, *Conservation Biology*, *Ecology*, *Ecosystems*, *Environmental Science – Nano (Royal Soc. B)*, *Environmental Science and Technology*, *Estuaries*, *Estuarine, Coastal and Shelf Science*, *Hydrobiologia*, *Journal of Cleaner Production*, *Journal of Experimental Marine Biology and Ecology*, *Journal of Phycology*, *Limnology and Oceanography*, *Marine Biology*, *Marine Ecology*, *Marine Ecology Progress Series*, *Marine Environmental Research*, *MDPI Geosciences*, *MDPI Remote Sensing*, *Plant Ecology*, *PLOS One*, *Wetlands*
- 1998 - 2000 Chair, Graduate Student Committee, U.S. Long Term Ecological Research Network
- 1997 - 2000 Graduate Student Representative, Virginia Coast Reserve Long Term Ecological Research Project, University of Virginia
- 1997 & 1999 Conference Chairperson, Annual Student Research Forum University of Virginia, Department of Environmental Sciences

SERVICE TO COMMUNITY

- 2018 - Monroe County Water Education Collaborative Board Member and Vice Chair
- 2017 - 2019 Aquatic Education Network, regional cooperative for environmental education surrounding water resources in the region, co-chair
- 2016 - H2O Hero water quality education program, Steering Committee member
- 2015 - Center for Environmental Initiatives, Genesee RiverWatch, Advisory Board and co-chair Genesee Institute Committee
- 2015 - 2017 Seneca Park Zoo, “One Cubic Foot” Advisory Committee and Education Committee
- 2013 - 2015 Partner with Allendale Columbia 5th grade class for watershed study
- 2012 - 2018 Monroe County Water Education Collaborative Board Member
- 2012, 2017 Outreach to preschoolers at Children’s Center of Brighton – Marine Biology
- 2011- Buckland Creek restoration project – RIT liaison
- 2011 Envirothon “Estuaries” content area expert

- 2010 - 2013 Mentor for Pittsford High School Students (1-2/summer)
- 2010 - 2013 Professional development workshops for middle school science teachers (48 PD hours/year)
- 2009 - 2016 Brighton Creeks community advocacy group
- 2009 - Exhibitor Imagine RIT Annual Festival of Creativity and Innovation – “Environmental Science in your backyard” annual exhibit
- 2009 Responsible Conduct of Research Advisory Committee
- 2007 - Earth Day outreach at Hansen Nature Center each spring
- 2007 - 2018 Aquatic ecology “expert” for BioSci Middle School Camp each summer

SERVICE TO INSTITUTE

- 2019 - 2022 RIT Academic Senate Resource Allocation and Budget Committee (elected)
- 2018 - 2019 School of Life Sciences Search Committee, Chair
- 2018 - 2019 RIT Academic Senate Research and Scholarship Committee (elected)
- 2015 - 2017 College of Science Graduate Curriculum Committee
- 2015 - 2017 College of Science Tenure Committee, Co-Chair 2016-17
- 2014 - 2015 School of Life Sciences Search Committee, Chair
- 2013 - 2017 School of Life Sciences Strategic Planning Committee
- 2012 - 2014 School of Life Sciences Student Success Committee
- 2012 - 2014 College of Science Women in Science Student Success Committee
- 2012 - 2017 Graduate Director, Program in Environmental Science
- 2012 - 2015 Institute Graduate Program Directors Advisory Board
- 2012 - 2016 College of Science Research Advisory Board
- 2012 - 2017 RIT United Way Campaign, Key Captain for academic department
- 2011 - College of Science Women in Science Executive Committee
- 2011 - 2012 School of Life Sciences Safety Committee
- 2010 - 2013 RIT Campus Environment Committee (Chair 2013)
- 2008 - 2011 Graduate Student Committee
- 2008 - 2013 School of Life Sciences Undergraduate Research Scholars Committee
- 2009 - 2010 Outside Committee Member, Outstanding Student Award, College of Liberal Arts

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CONTRIBUTED PAPERS

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Chomiak, K., Hoffman, M.J., Eddingsaas, N.C., Clark, N., Tyler, A.C. 2020. **Impact of microplastics on benthic ecosystem metabolism and nutrient regeneration.** International Association of Great Lakes Research Annual Conference. Winnipeg, Canada (virtual conference).

Daily, J., Hoffman, M.J., Tyler, A.C., Eddingsaas, N.C. 2020. **Modeling Three-Dimensional Microplastic Distribution and Deposition in Lake Erie.** International Association of Great Lakes Research Annual Conference. Winnipeg, Canada (virtual conference).

Saxena, H., MacKenzie, C.J., Taylor, R., VanWinkle, S.R., Tyler, A.C., 2020. *Citizen science as a tool against invasive species in the New York Finger Lakes Region.* Finger Lakes Research Conference. Geneva, NY.

Tyler, A.C., **Goldsmith, S., Eon, R.S.,** Bachmann, C.M., Osgood, D. 2019. *Assessment of salt marsh biophysical properties using high resolution hyperspectral imaging.* Coastal and Estuarine Research Federation Biennial Conference. Mobile, AL.

Chomiak, K., Hoffman, M., Eddingsaas, N., Tyler, C. 2019. *Assessing the toxicity and burial of microplastics in freshwater lake sediments.* Rochester Academy of Sciences. Rochester, NY.

VanWinkle, S.R., Tyler, A.C. 2019. *Does community engagement improve ecosystem restoration outcomes?* Rochester Academy of Sciences. Rochester, NY.

Squier, E.N., Lodge, K.A., Spangler, D., Tyler, A.C., McCalley, C.K., Eddingsaas, N.C. 2019. *Herbivore controls on macrophyte community structure and nitrogen retention in created wetlands.* Rochester Academy of Sciences. Rochester, NY.

Chomiak, K., Hoffman, M., Eddingsaas, N., Tyler, C. 2019. *Assessing the toxicity and burial of microplastics in freshwater lake sediments.* International Association of Great Lakes Research Annual Conference. Brockport, NY.

Boller, M., Widmaier, C., Tyler, C., Thomas, G., Hallahan, W., Traywick, K. 2019. *Building partnership and stewardship with the Genesee RiverWatch Aquatic Education Network*. International Association of Great Lakes Research Annual Conference. Brockport, NY.

Sawyko, P., Tyler, C., Korfmacher, K.S., **VanWinkle, S., Burt, B.**, Stevenson, T., Murray, E. 2019. *Evaluating the effectiveness of the H2O Hero mass media campaign through public opinion surveys*. International Association of Great Lakes Research Annual Conference. Brockport, NY.

Moakley, R., VanWinkle, S.R., Prococki-Loomis, Z., Zhang, C., Tyler, A.C., 2019. *Strengthening citizen science as a tool against invasive species in the New York Finger Lakes Region*. International Association of Great Lakes Research Annual Conference. Brockport, NY.

Hamilton, B. T., McCalley, C. K., , Tyler, A. C. Eddingsaas, N. C., Hudson, A.O. 2019. *Effects of hydrology and past land-use on carbon and microbial communities in restored wetlands*. International Association of Great Lakes Research Annual Conference. Brockport, NY.

McGowan, M. B., Al Grait, T., Huang, S., Eddingsaas, N. C., McCalley, C. K., Tyler, A. C. 2019. *Effects of prior land use, carbon availability and hydrology on nitrogen cycling in created wetlands*. International Association of Great Lakes Research Annual Conference. Brockport, NY.

Huang, S., Al Grait, T., McGowan, M. B., Eddingsaas, N. C., McCalley, C. K., Tyler, A. C. 2019. *Managing greenhouse gas flux from created wetlands: hydrology, carbon supply and prior land use*. International Association of Great Lakes Research Annual Conference. Brockport, NY.

Squier, E.N., Lodge, K.A., Spangler, D., Tyler, A.C., McCalley, C.K., Eddingsaas, N.C. 2019. *Herbivore controls on macrophyte community structure and nitrogen retention in created wetlands*. International Association of Great Lakes Research Annual Conference. Brockport, NY.

VanWinkle, S.R., Whitney, K., Tyler, A.C. 2019. *Does community engagement improve ecosystem restoration outcomes?* International Association of Great Lakes Research Annual Conference. Brockport, NY.

Brett, R., Goldsmith, S., Minnig, P., Osgood, D., Tyler, C., Bachmann, C., Walsh, J. 2019. *Spartina Biomass Distribution in Tidal Salt Marshes: The Role of Marsh Age*. Atlantic Estuarine Research Society Annual Meeting, Woodbridge, Virginia.

Moakley, R., VanWinkle, S.R., Prococki-Loomis, Z., Zhang, C., Tyler, A.C., 2019. *Strengthening citizen science as a tool against invasive species in the New York Finger Lakes Region*. Finger Lakes Research Conference. Geneva, NY.

Moore, E.A., Babbitt, C.W., Tyler, A.C., Tomaczewski, B., Gaustad, G. 2018. *Modeling Spatial Dimensions of Life Cycle Nanomaterial Emissions*. Society for Environmental Toxicology and Chemistry. Sacramento, CA.

Eon, R. S., Goldsmith, S., Lapszynski, C., Badura, G., Bachmann, C. M., Tyler, A. C., **Brett, R.,** Osgood, D. 2018. *Improving Accuracy of Salt Marsh Aboveground Biomass using High-Spatial Resolution, Multi-View Hyperspectral Imaging Systems*. American Geophysical Union Fall Meeting. Washington, DC.

Goldsmith, S., Tyler, A. C., Bachmann, C. M., Osgood, D., **Eon, R. S., Lapszynski, C.** 2018. *Assessing Salt Marsh Vulnerability Potential Through the use of High Resolution Hyperspectral Imagery*. American Geophysical Union Fall Meeting. Washington, DC.

Tyler, A.C., Bachmann, C.M., Osgood, D., **Goldsmith, S., Eon, R.S., Lapszynski, C.,** Bauch, T. 2018. *Addressing High Spatial Heterogeneity in Salt Marsh Primary Production Using High Resolution Remote Sensing*. American Geophysical Union Fall Meeting. Washington, DC.

Spangler, D., McCalley, C. K., Tyler, A. C., **Squier, E. N.** 2018. *Effects of Grazer Exclusion on Carbon Cycling in Created Freshwater Wetlands*. American Geophysical Union Fall Meeting. Washington, DC.

Hamilton, B. T., McCalley, C. K., Eddingsaas, N. C., & Tyler, A. C. 2018. *Interactions Between Hydrology and Antecedent Land Use on Carbon Quantity, Quality and Metabolism in Restored Wetlands*. American Geophysical Union Fall Meeting. Washington, DC.

McGowan, M. B., Al Grait, T., Huang, S., Eddingsaas, N. C., McCalley, C. K., Tyler, A. C. 2018. *Effects of prior land use, carbon availability and hydrology on nitrogen cycling in created freshwater wetlands*. American Geophysical Union Fall Meeting. Washington, DC.

Squier, E.N., Tyler, A.C., **Spangler, D.,** McCalley, C.K., Eddingsaas, N.C. 2018. *The Influence of Herbivory on Submerged Macrophytes and Nitrogen Availability in Created Wetlands*. American Geophysical Union Fall Meeting. Washington, DC.

VanWinkle, S.R., Tyler, A.C. 2018. Does community engagement influence wetland restoration outcomes? Rochester Academy of Sciences Annual Meeting. Geneseo, NY.

Goldsmith, S., Tyler, A. C., Bachmann, C. M., Osgood, D., **Eon, R. S., Lapszynski, C.** 2018. *Assessing Salt Marsh Vulnerability Potential Through the use of High Resolution Hyperspectral Imagery*. Rochester Academy of Sciences Annual Meeting. Geneseo, NY.

Spangler, D., McCalley, C. K., Tyler, A. C., **Squier, E. N.** 2018. *Effects of Grazer Exclusion on Carbon Cycling in Created Freshwater Wetlands*. Rochester Academy of Sciences Annual Meeting. Geneseo, NY.

Hamilton, B. T., McCalley, C. K., Eddingsaas, N. C., & Tyler, A. C. 2018. *Interactions Between Hydrology and Antecedent Land Use on Carbon Quantity, Quality and Metabolism in Restored Wetlands*. Rochester Academy of Sciences Annual Meeting. Geneseo, NY.

McGowan, M. B., Al Grait, T., Huang, S., Eddingsaas, N. C., McCalley, C. K., & Tyler, A. C. 2018. *Effects of prior land use, carbon availability and hydrology on nitrogen cycling in created freshwater wetlands.* Rochester Academy of Sciences Annual Meeting. Geneseo, NY.

Squier, E.N., Tyler, A.C., **Spangler, D.,** McCalley, C.K., & Eddingsaas, N.C. 2018. *The Influence of Herbivory on Submerged Macrophytes and Nitrogen Availability in Created Wetlands.* Rochester Academy of Sciences Annual Meeting. Geneseo, NY.

VanWinkle, S.R., Whitney, K., Tyler, A.C. 2018. Does community engagement influence wetland restoration outcomes? Rochester Institute of Technology Undergraduate Research Symposium.

Kuntz, K.L., Tyler, A.C. 2018. *Bioturbating Invertebrates Enhance Nitrogen Cycling in Lake Ontario Coastal Stormwater Ponds.* International Association of Great Lakes Research Annual Conference. Toronto, Canada.

Ponte Cabral, S., Border, C., Wronko, E., Babbitt, C., Tyler, A.C. *Carbon-based nanomaterials shift nutrient cycling and microbial communities in freshwater sediments.* International Association of Great Lakes Research Annual Conference. Toronto, Canada.

McCalley, C., **Al Grait, T., Williams, T., Huang, S., McGowan, M.B.,** Eddingsaas, N., Tyler, A.C., *Effect of Drought and Management on C and N Cycling in Created Wetlands in the Great Lakes Watershed.* International Association of Great Lakes Research Annual Conference. Toronto, Canada.

Lodge, K., McCalley, C.K., Tyler, A.C. 2018. *Grazer Exclusion Enhances Nitrogen Removal in Created Wetlands of the Great Lakes Watershed.* International Association of Great Lakes Research Annual Conference. Toronto, Canada.

McCalley, C., **Al Grait, T., Williams, T., Huang, S., McGowan, M.B.,** Eddingsaas, N., Tyler, A.C., 2017. Effect of antecedent terrestrial land-use on C and N cycling in created wetlands. American Geophysical Union, AGU Fall Meeting, New Orleans, Louisiana

McGowan, M., Hamilton, B., Al Grait, T., Williams, T., Huang, S., McCalley, C., Tyler, A.C., 2017. The effect of compost addition on biogeochemical cycles in created wetlands, Rochester Academy of Sciences, Rochester, NY.

Goldsmith, S., Eon, R., Badura, G., Brett, R., Minnig, P., Lapszynski, C., Bachmann, C.M., Osgood, David., Tyler, Anna C. 2017. Improving estimates of salt marsh Blue Carbon through high spatial resolution remote sensing. Rochester Academy of Science, Rochester, NY.

Spangler, D., Squier, E., Lodge, K., McCalley, C.K., Tyler, A.C. 2017. The Effect of Grazing on Carbon Storage in Created Wetlands. Rochester Academy of Science, Rochester, NY.

Goldsmith, S.; Brett, R., Minnig, P., Bachmann, C. M., Osgood, D., Tyler, A.C. 2017. Decadal changes in salt marsh production and carbon storage: a test of the space-for-time substitution approach. Coastal and Estuarine Research Federation, Biennial International Conference, Providence, RI.

Eon, R., Goldsmith, S., Badura, G., Lapszynski, C., Brett, R., Minnig, P., Osgood, D., Tyler, A.C., Bachmann, C.M. 2017. Improving estimates of salt marsh carbon storage using fine-scale hyperspectral and LiDAR remote sensing. Coastal and Estuarine Research Federation, Biennial International Conference, Providence, RI.

Spangler, D., Squier, E., Lodge, K., McCalley, C.K., Tyler, A.C. 2017. The Effect of Grazing on Carbon Storage in Created Wetlands. Rochester Institute of Technology, Annual Graduate Showcase, Rochester, NY.

Goldsmith, S., Eon, R., Badura, G., Brett, R., Minnig, P., Lapszynski, C., Bachmann, C.M., Osgood, David., Tyler, Anna C. 2017. Improving estimates of salt marsh Blue Carbon through high spatial resolution remote sensing. Rochester Institute of Technology, Annual Graduate Showcase, Rochester, NY.

McGowan, M., Hamilton, B., Al Grait, T., Williams, T., Huang, S., McCalley, C., Tyler, A.C., 2017. The effect of compost addition on biogeochemical cycles in created wetlands. Rochester Institute of Technology, Annual Graduate Showcase, Rochester, NY.

Do, T.-N., Wronko, E., Rogalskyj, G., Tyler, A.C., Connelly, S.J., Babbitt, C. 2017. Investigating Predation Rate of Bluegills on Fullerene (C60) Exposed *Daphnia pulex*. Rochester Institute of Technology, Undergraduate Research Symposium, Rochester, NY.

Wronko, E., Babbitt, C., Connelly, S.J., Tomaszewski, B.M., Tyler, A.C. 2017. Geospatial and Toxicity Assessment of Carbon Nanomaterial Releases, International Society for Industrial Ecology, International Symposium on Sustainable Systems and Technology, Chicago, IL.

Border, C., Ponte Cabral, S., Wronko, E., Babbitt, C., Tyler, A.C. 2017. Toxicity of engineered carbon nanomaterials in benthic freshwater ecosystems. International Association of Great Lakes Research, Annual Conference, Detroit, MI.

Wronko, E., Babbitt, C., Tyler, C., Gaustad, G. 2016. Geospatial Material Flow Analysis of an Optimized Nano-Enabled Renewable Energy Portfolio. International Symposium on Sustainable Systems and Technology. Phoenix, AZ.

Tyler, A.C., **Burke, B., Burke, S., McLenaghan, N., Premo, K., Yarrington, C.** 2015. Evaluating the potential impacts of bioturbation on ecosystem recovery in freshwater and marine estuaries. Coastal and Estuarine Research Federation Biennial Meeting. Portland, OR.

Williams, T.E., Tyler, A.C., **Lodge, K.A.** 2015. Does organic carbon amendment alter plant community composition in created wetlands? Rochester Academy of Sciences. Canandaigua, NY.

Lodge, K.A., Tyler, A.C., 2015. Community interactions and nutrient cycling in created emergent freshwater wetlands. Rochester Academy of Sciences. Canandaigua, NY.

Moranz, K.E., A.C. Tyler. Can Native Shrubs Limit Invasion of Restored Wetlands by Opportunistic Invaders? Rochester Academy of Sciences, Canandaigua, NY.

Border, C., Babbitt, C.W. Tyler, A.C., **Wronko, E.** 2015. Ecological Impacts of Carbon Fullerenes. Rochester Academy of Sciences, Canandaigua, NY.

Lodge, K.A., Tyler, A.C., 2015. Community interactions and nutrient cycling in created emergent freshwater wetlands. Rochester Institute of Technology Undergraduate Research Symposium. Rochester, NY.

Lin, S. Wronko, E., Border, C., Tyler, A.C., Babbitt, C.W. 2015. Investigating Fullerene Behavior and Concentration in Lake Sediment. Rochester Institute of Technology Undergraduate Research Symposium. Rochester, NY.

Tyler, A.C., **Boa, K.J., Bruen, E.A., Williams, T.E., Lodge, K.A.** 2015 Improving control of invasive plants in created wetlands using organic matter addition. Society of Wetland Scientists Annual Meeting. Providence, RI.

Tyler, A.C. 2015. High Acres Nature Area: a model for successful conservation through academic-corporate-volunteer partnerships. New York State Wetlands Forum. Syracuse, NY.

Harrison, M., Hellquist, E., Pagano, T., Tyler, A.C. 2015. Variability in the phenolic content of invasive and non-invasive emergent wetland plants. New York State Wetlands Forum. Syracuse, NY.

Border, C.T., Tyler, A.C. Babbitt, C.W., Gaustad, G, **Wronko, E.** 2015. *Ecological impacts on nano-iron phosphate released from waste lithium-ion batteries.* Rochester Institute of Technology Graduate Research and Innovation Symposium, Rochester, NY.

Kuntz, K., Tyler, A.C. 2015. Detention ponds as ecosystems in developed landscapes: biodiversity and the effect of bioturbating invertebrates on the biogeochemistry of man-made ponds. Rochester Institute of Technology Graduate Research and Innovation Symposium, Rochester, NY.

Bruen, E., Tyler, A.C. 2015. Effect of forested conditions on vernal pool restoration in the Northeastern United States. Rochester Institute of Technology Graduate Research and Innovation Symposium, Rochester, NY.

Moranz, K.E., A.C. Tyler. Can Native Shrubs Limit Invasion of Restored Wetlands by Opportunistic Invaders? Rochester Institute of Technology Graduate Research and Innovation Symposium, Rochester, NY.

Border, C.T., Tyler, A.C. Babbitt, C.W., Gaustad, G, **Wronko, E.** 2014. *Ecological impacts on nano-iron phosphate released from waste lithium-ion batteries.* Finger Lakes Research Conference. Geneva, NY.

Kuntz, K., Tyler, A.C. 2014. Detention ponds as ecosystems in developed landscapes: biodiversity and the effect of bioturbating invertebrates on the biogeochemistry of man-made ponds. Rochester Academy of Sciences, Rochester, NY.

Bruen, E., Tyler, A.C. 2014. Effect of forested conditions on vernal pool restoration in the Northeastern United States. Rochester Academy of Sciences, Rochester, NY.

Border, C.T., Tyler, A.C. Babbitt, C.W., Gaustad, G, **Wronko, E.** 2014. *Ecological impacts on nano-iron phosphate released from waste lithium-ion batteries.* Rochester Academy of Sciences, Rochester, NY.

Border, C.T., Tyler, A.C. Babbitt, C.W., Gaustad, G. 2014. *Ecological impacts on nano-iron phosphate released from waste lithium-ion batteries.* Sustainable Nanotechnology Conference. Boston, MA.

Hane, E.N., A.C. Tyler, K.F. Korfmacher. 2014. Using program assessment in an Environmental Science Program. Assessment Network of New York. Rochester, NY.

Tyler, A.C., **M.B. Burkett, N.L. Kinlock.** 2014. *Biodiversity and ecosystem processes in small urban and suburban ponds.* Joint Aquatic Sciences Meeting. Portland, OR.

Thornber, C.S., A.C. Tyler, M. Guidone. 2014. Herbivory and trophic impacts on macroalgal blooms. Joint Aquatic Sciences Meeting. Portland, OR.

Tyler, A.C., A.H. Altieri, **N.A. McLenaghan, K.M. Premo, C.S. Yarrington.** 2013. *Do mud snails (Ilyanassa obsoleta) enhance or mitigate the effects of eutrophication in shallow estuaries?* International Coastal and Estuarine Research Federation Conference. San Diego, CA.

Moranz, K.E., A.C. Tyler. 2013. *Controlling invasive wetland plants using native shrubs.* Rochester Academy of Sciences, Rochester, NY.

Burkett, M.B., A.C. Tyler. 2013. *The Impact of Stormwater Retention Ponds and Small Wetlands on the Export of Dissolved Organic Matter.* Rochester Academy of Sciences, Rochester, NY.

Maurer, M., A.C. Tyler. 2013. *Investigating environmental factors and their impacts on the bulk phenolic content of invasive Typha spp.: a potential link to invasion success.* Rochester Academy of Sciences, Rochester, NY.

- Kratzer, L.A.**, A.C. Tyler. 2013. Does grazing control the spread of invasive wetland plants? Rochester Academy of Sciences, Rochester, NY.
- Moranz, K.E.**, A.C. Tyler. 2013. *Limiting invasive wetland plants using shrub plantings*. Rochester Institute of Technology Undergraduate Research and Innovation Symposium. Rochester, NY.
- Maurer, M.**, A.C. Tyler. 2013. *Investigating Typha spp. phenolic chemistry as it relates to invasion success*. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.
- Kratzer, L.A.**, A.C. Tyler. 2013. Effect of herbivory on the growth and competitive ability of an invasive grass. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.
- Burkett, M.B.**, A.C. Tyler. 2013. The effect of small pass-through wetlands and retention ponds on dissolved organic matter. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.
- Bida, M.R.**, T.E. Pagano, A.C. Tyler. 2012. Dissolved organic matter dynamics in the streams surrounding Conesus Lake, NY. Rochester Academy of Sciences, Rochester, NY.
- Boa, K.J.**, A.C. Tyler. 2012. *The control of invasive Typha spp. at a restored freshwater wetland*. Rochester Academy of Sciences, Rochester, NY.
- Dutcher, N.M.**, J. van Aardt, A.C. Tyler. 2012. Characterizing wetland vegetation using hyperspectral imagery. Rochester Academy of Sciences, Rochester, NY.
- Kratzer, L.A.**, A.C. Tyler. 2012. Effect of herbivory on the growth and competitive ability of an invasive grass. Rochester Academy of Sciences, Rochester, NY.
- Bida, M.R.**, T.E. Pagano, A.C. Tyler. 2012. The influence of agricultural land use on the composition of dissolved organic matter in streams surrounding Conesus Lake, NY. American Chemical Society – Northeast Regional Meeting. Rochester, NY.
- Kinlock, N.**, A.C. Tyler. 2012. *Analyzing the effectiveness and efficiency of different methods for invasive Typha spp. removal in created wetlands*. Rochester Institute of Technology Undergraduate Research and Innovation Symposium. Rochester, NY.
- Bida, M.R.**, T.E. Pagano, A.C. Tyler. 2012. Dissolved organic matter dynamics in the streams surrounding Conesus Lake, NY. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.
- Boa, K.J.**, A.C. Tyler. 2012. *The control of invasive Typha spp. at a restored freshwater wetland*. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.
- Burkett, M.B.**, A.C. Tyler. 2012. The effect of small pass-through wetlands and retention ponds on dissolved organic matter. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.

Dutcher, N.M., J. van Aardt, A.C. Tyler. 2012. Characterizing wetland vegetation using hyperspectral imagery. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.

Kratzer, L.A., A.C. Tyler. 2012. Effect of herbivory on the growth and competitive ability of an invasive grass. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.

Bida, M.R., T.E. Pagano, A.C. Tyler. 2012. Dissolved organic matter dynamics in the streams surrounding Conesus Lake, NY. Great Lakes Research Symposium. Oswego, NY.

Dutcher, N.M., J. van Aardt, A.C. Tyler. 2012. Characterizing wetland vegetation using hyperspectral imagery. Great Lakes Research Symposium. Oswego, NY.

Boa, K.J., L.A. Kratzer, M. Paufler, A.C. Tyler. 2012. Invasive plants survey at High Acres Nature Area, Perinton, NY. Great Lakes Research Symposium. Oswego, NY.

Bida, M.R., T.E. Pagano, A.C. Tyler. 2011. The Influence of Watershed Land Use on the Composition of Dissolved Organic Matter Entering Conesus Lake, NY. Finger Lakes Research Conference. Geneva, NY.

Tyler, A.C., A.H. Altieri, **B.M. Bourdon**. 2011. Does the hardshell clam, *Mercenaria mercenaria*, influence nitrogen removal in eutrophic shallow estuaries? International Coastal and Estuarine Research Federation Conference. Daytona Beach, FL.

Premo, K.M., A.C. Tyler. 2011. Non-consumptive effects of predators alter the ability of invertebrates to modify sediment biogeochemistry and benthic microalgal abundance. International Coastal and Estuarine Research Federation Conference. Daytona Beach, FL.

Yarrington, C.S., A.C. Tyler. 2011. Teasing apart the relationship between the intertidal mud snail, *Ilyanassa obsoleta*, and bloom-forming macroalgae. International Coastal and Estuarine Research Federation Conference. Daytona Beach, FL.

Bida, M.R., T.E. Pagano, A.C. Tyler. 2011. The Influence of Watershed Land Use on the Composition of Dissolved Organic Matter Entering Conesus Lake, NY. Rochester Academy of Sciences. Rochester, NY.

Boa, K.J., L.A. Kratzer, M. Paufler, A.C. Tyler. 2011. Invasive plant survey at High Acres Nature Area, Perinton, NY. Rochester Academy of Sciences, Rochester, NY.

Dutcher, N.M., J. van Aardt, A.C. Tyler. 2011. Characterizing Wetland Vegetation Using Hyperspectral Imagery. Rochester Academy of Sciences. Rochester, NY.

Bida, M.R., T.E. Pagano, A.C. Tyler. 2011. The Influence of Watershed Land Use on the Composition of Dissolved Organic Matter Entering Conesus Lake, NY. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.

- Dutcher, N.M.**, J. van Aardt, A.C. Tyler. 2011. Characterizing Wetland Vegetation Using Hyperspectral Imagery. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.
- Yarrington, C.S.**, A.C. Tyler. 2011. *The Relationship between Ilyanassa obsoleta and Bloom Forming Macroalgae*. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.
- Spector, R., J. Macisco**, A. Ross, A.C. Tyler, and T. Pagano. 2011. *Dissolved Organic Carbon and its Phenolic Content in Natural Waters*. Rochester Section of the American Chemical Society's Undergraduate Research Symposium. Rochester, NY.
- Burke, S.B.**, A.C. Tyler. 2011. *Effects of macroinvertebrate recolonization on nutrient release and sediment oxidation in eutrophic lake sediments*. Great Lakes Research Consortium Annual Conference. Syracuse, NY. Oral presentation.
- Abdul Rahman, S.A.**, A.C. Tyler, T. Pagano. 2011. *Effects of enhanced phenolic dissolved organic carbon on the growth of aquatic plants*. Great Lakes Research Consortium Annual Conference. Syracuse, NY. Oral presentation.
- Scheiner, K.R.**, A.C. Tyler. 2011. *Comparison of geochemical and biological characteristics of natural and constructed wetlands in Western NY*. Great Lakes Research Consortium Annual Conference. Syracuse, NY. Poster presentation.
- Abdul Rahman, S.A.**, A.C. Tyler, T. Pagano. 2010. *Phenolic dissolved organic carbon in aquatic ecosystems: sources, effects and solutions*. Finger Lakes Research Center Annual Conference. Geneva, NY. Poster presentation.
- Abdul Rahman, S.A.**, A.C. Tyler, T. Pagano. 2010. *Effects of enhanced phenolic dissolved organic carbon on the growth of aquatic plants*. Rochester Academy of Sciences. Rochester, NY. Oral presentation.
- Burke, S.B.**, G. Neuderfer, A.C. Tyler. 2010. *Role of common benthic macroinvertebrates on nutrient cycling in eutrophic lake sediments*. Rochester Academy of Sciences. Rochester, NY. Oral presentation.
- Bourdon, B.M.**, A.C. Tyler. 2010. *Does Mercenaria mercenaria Influence Benthic Denitrification? Effects of bivalves in different estuarine sediments*. Rochester Academy of Sciences. Rochester, NY. Oral presentation.
- Premo, K.M.**, A.C. Tyler. 2010. *Effects of bioturbating invertebrates on decomposition in a shallow eutrophic estuary*. Rochester Academy of Sciences. Rochester, NY. Poster presentation.
- Scheiner, C.**, K. Korfmacher, C. Tyler. 2010. *Macroinvertebrates and their effects on eutrophication: scaling up in a shallow estuary*. Rochester Academy of Sciences. Rochester, NY. Poster presentation.

Scheiner, K.R., A.C. Tyler. 2010. *Comparison of geochemical and biological characteristics of natural and constructed wetlands in Western NY*. Rochester Academy of Sciences. Rochester, NY. Poster presentation.

Yarrington, C.S., A.C. Tyler. 2010. *The Relationship between Ilyanassa obsoleta and Bloom Forming Macroalgae*. Rochester Academy of Sciences. Rochester, NY. Oral presentation.

Hartlove, M., A. Ross, A.C. Tyler, T. Pagano. 2010. *Analysis of the Phenolic Content of DOC as a Potential Function of Climate Change and its Impact on Drinking Water Treatment*. Rochester Institute of Technology Undergraduate Research and Innovation Symposium. Rochester, NY.

Bourdon B., U. Mahl, A.C. Tyler. 2010. *Does Mercenaria mercenaria Influence Benthic Denitrification?* Rochester Institute of Technology Undergraduate Research and Innovation Symposium. Rochester, NY.

Abdul Rahman, S.A., A.C. Tyler, T. Pagano. 2010. *Effects of enhanced phenolic dissolved organic carbon on the growth of aquatic plants*. Rochester Institute of Technology Undergraduate Research and Innovation Symposium. Rochester, NY.

Burke, S.B., G. Neuderfer, A.C. Tyler. 2010. *Role of common benthic macroinvertebrates on nutrient cycling in eutrophic lake sediments*. Rochester Institute of Technology Undergraduate Research and Innovation Symposium. Rochester, NY.

Scheiner, K.R., A.C. Tyler. 2010. *Comparison of geochemical and biological characteristics of natural and constructed wetlands in Western NY*. Rochester Institute of Technology Graduate Research Symposium. Rochester, NY.

Scheiner, C., K. Korfmacher, C. Tyler. 2010. *Spatial analysis of macroinvertebrates and their effects on eutrophication in a shallow estuary: applying small-scale results to a large-scale study*. Great Lakes Research Consortium. Syracuse, NY.

Bourdon B., U. Mahl, C. Tyler. 2010. *Does Mercenaria mercenaria Influence Benthic Denitrification? Effects of sediment manipulation and bivalves in microcosms*. Great Lakes Research Consortium. Syracuse, NY.

McLenaghan, N.A., Tyler, A.C., **Scheiner, C. A.** 2010. *Diversity and distribution of benthic macroinvertebrates in a temperate, sewage-enriched estuary*. Benthic Ecology Meeting, Wilmington, NC.

Tyler, A.C., A.H. Altieri, **J.T. Barnette**, E.D. Grosholz, **N.A. McLenaghan**. 2010. *Direct and indirect effects of the mud snail Ilyanassa obsoleta on nutrient availability and algal production*. Benthic Ecology Meeting, Wilmington, NC.

Bourdon B., U. Mahl, N. McLenaghan, C. Scheiner, C. Tyler. 2009. *Does Mercenaria mercenaria Influence Benthic Denitrification? Effects of sediment manipulation and bivalves in microcosms*. Estuarine Research Federation International Conference, Portland, OR.

McLenaghan, N. A., C. Tyler, **U. H. Mahl**, R. W. Howarth, A. E. Giblin. 2009. *Benthic*

Macroinvertebrate Diversity Controls Algal Dynamics in a Shallow Estuary. Estuarine Research Federation International Conference, Portland, OR.

Yarrington C., N. McLenaghan, C. Scheiner, C. Tyler. *Does Benthic Macroinvertebrate Biodiversity Enhance Nutrient Transformation and Removal?* Estuarine Research Federation International Conference, Portland, OR.

Scheiner, C., K. Korfmacher, C. Tyler. 2009. *Spatial analysis of macroinvertebrates and their effects on eutrophication in a shallow estuary: applying small-scale results to a large-scale study.* New York State GIS Conference, Lake Placid, NY.

Barnette, J.T., N.A. McLenaghan, A.C. Tyler. 2009. *The influence of the mud snail, Ilyanassa obsoleta, and the king rag worm, Alitta virens on macroalgal growth.* Rochester Academy of Sciences.

Bourdon B., U. Mahl, N. McLenaghan, C. Scheiner, C. Tyler. 2009. *Does Mercenaria mercenaria Influence Benthic Denitrification? Effects of sediment manipulation and bivalves in microcosms.* Rochester Academy of Sciences.

Yarrington C., N. McLenaghan, C. Scheiner, C. Tyler. 2009. *Does Benthic Macroinvertebrate Biodiversity Enhance Nutrient Transformation and Removal?* Rochester Academy of Sciences.

Mahl, U.H., A.C. Tyler, R.W. Howarth, and N. Mc Lenaghan. 2009. *Effects of macroinvertebrate species composition and density on benthic oxygen and nutrient flux and concentrations of ammonium and soluble-sulfides in sediment porewater in shallow estuaries.* Ecological Society of America Annual Conference, Albuquerque, NM.

Christian, R., C. Bondavalli, A.C. Tyler, I.C. Anderson, K.J. McGlathery, R. Ulanowicz, P. Viaroli & C. Voss. 2007. *Ecosystem Health Indexed through Networks of Nitrogen Cycling.* Estuarine Research Federation International Conference, Providence, RI.

Mahl, U.H., A.C. Tyler, N.M. McLenaghan, R. Howarth, P. Berg, A.E. Giblin & R.M. Marino. 2007. *Linking Benthic Invertebrate Density and Diversity to Nutrient Cycling and Eutrophication in Shallow Estuaries.* Estuarine Research Federation International Conference, Providence, RI.

McLenaghan, N.M., A.C. Tyler, U. Mahl, R. Marino, A.E. Giblin & R.W. Howarth. 2007. *The Role of Invertebrate Functional Diversity in Regulating Benthic Algal Dynamics.* Estuarine Research Federation International Conference, Providence, RI.

Turner, C. B., A.C. Tyler, U. Mahl, R. Marino, A.E. Giblin & R.W. Howarth. 2007. *Eutrophication and Benthic Macrofauna: Impacts on Porewater Chemistry in Sediments of Varying Organic Matter.* Estuarine Research Federation International Conference, Providence, RI.

Tyler, A.C., **C. Turner, U. Mahl, P. Berg, R. Marino, A. Giblin & R. Howarth.** 2007. *Feedbacks Among Benthic Invertebrates, Microalgae and Sediment Biogeochemistry in Shallow Estuarine Sediments.* Estuarine Research Federation International Conference, Providence, RI.

Tyler, A.C., E.D. Grosholz & **U.H. Mahl.** 2005. *Linking community and ecosystem processes to*

macroalgal bloom dynamics and species invasions. Estuarine Research Federation International Conference, Norfolk, VA.

Voss, C. M., C. Bondavalli, A.C. Tyler, I.C. Anderson, R.R. Christian, K.J. McGlathery & P. Viaroli. 2005. *Network analysis of primary producer dominance and its effects on nitrogen cycling in coastal lagoons*. Estuarine Research Federation International Conference, Norfolk, VA.

Tyler, A.C. & E.D. Grosholz. 2004. *Spartina invasion changes intertidal metabolism in San Francisco Bay*. International Conference on Invasive *Spartina*, San Francisco, CA.

Tyler, A.C. & E.D. Grosholz. 2004. *Spartina alterniflora invasion of San Francisco Bay changes ecosystem metabolism*. California Estuarine Research Society Conference, Bodega Bay, CA.

Tyler, A.C., E.D. Grosholz, J.G. Lambrinos & J.C. Civile. 2003. *Spartina alterniflora invasion of Pacific estuaries: impacts on carbon and nitrogen cycling*. Estuarine Research Federation International Conference, Seattle, WA.

Grosholz, E. D., L.A. Levin, C. Neira, A.C. Tyler. 2003. *Habitat changes due to Spartina invasion and facilitation of invertebrate invasions*. Estuarine Research Federation International Conference, Seattle, WA.

McGlathery, K. J., A.C. Tyler, M. Thomsen, P. Berg. 2003. *Primary producer dominance affects nitrogen retention in shallow coastal ecosystems*. Estuarine Research Federation International Conference, Seattle, WA.

Tyler, A.C. & E.D. Grosholz. 2003. *Changes in carbon and nitrogen cycling in Pacific Estuaries following Spartina alterniflora invasion*. Marine Bioinvasions Conference. La Jolla, CA. (poster)

Anderson, I.C., T.L. Lunsford, K.J. McGlathery, A.C. Tyler. 2001. *Fate of mineralized nitrogen in a shallow coastal lagoon*. Estuarine Research Federation International Conference, St. Petersburg Beach, FL.

McGlathery, K.J., A.C. Tyler., I.C. Anderson. 2001. *Stoichiometry of organic matter mineralization in a temperate coastal lagoon*. Estuarine Research Federation International Conference, St. Petersburg Beach, FL.

Tyler, A.C., K.J. McGlathery & I.C. Anderson. 2001. *DON fluxes in a macroalgal dominated temperate lagoon: a compound specific approach*. Estuarine Research Federation International Conference, St. Petersburg Beach, FL.

Tyler, A.C. 2001. *Nitrogen fluxes in a macroalgal dominated temperate lagoon: a compound specific approach*. Environmental Protection Agency STAR Fellowship Conference, Washington, DC. (poster)

Mastrorcola, T.A., K.J. McGlathery & A.C. Tyler. 2000. *Nitrogen fixation across a barrier island salt marsh chronosequence*. Long Term Ecological Research All Scientist's Meeting. Snowbird, UT. (poster)

- Tyler, A.C. & K.J. McGlathery. 2000. *Macroalgal retention and turnover of nitrogen across a nutrient enrichment gradient in a shallow coastal lagoon*. Long Term Ecological Research All Scientist's Meeting. Snowbird, UT. (poster)
- Tyler, A.C. 2000. *Macroalgal retention and turnover of nitrogen across a nutrient enrichment gradient in a shallow coastal lagoon*. Environmental Protection Agency STAR Fellowship Conference, Washington, DC. (poster)
- Tyler, A.C. & K.J. McGlathery. 2000. *Macroalgal retention and turnover of nitrogen across a nutrient enrichment gradient in a shallow coastal lagoon*. American Society of Limnology and Oceanography Conference, Copenhagen, Denmark.
- M. Thomsen, K.J. McGlathery, A.C. Tyler, J. Rosinski & I. Buffam. 2000. *Macroalgal distribution pattern in a shallow temperate lagoon*. American Society of Limnology and Oceanography Conference, Copenhagen, Denmark. (poster)
- McGlathery, K.J., I.C. Anderson & A.C. Tyler. 1999. *Patterns of primary production and N assimilation in a shallow coastal lagoon*. Estuarine Research Federation International Conference, New Orleans, LA.
- Anderson, I.C., K.J. McGlathery & A.C. Tyler. 1999. *Nitrogen dynamics in sediments of a shallow coastal lagoon dominated by macroalgae*. Estuarine Research Federation International Conference, New Orleans, LA.
- Tyler, A.C. & K.J. McGlathery. 1999. *Uptake of specific organic nitrogen compounds by macroalgae in a shallow, coastal lagoon*. Estuarine Research Federation International Conference, New Orleans, LA.
- Tyler, A.C., K.J. McGlathery & I.C. Anderson. 1999. *The influence of macroalgae on fluxes of organic nitrogen in a shallow coastal lagoon*. American Society of Limnology and Oceanography Conference, Santa Fe, NM.
- Tyler, A.C. & J.C. Zieman. 1997. *Groundwater discharge and Spartina alterniflora production in a naturally developing barrier island salt marsh*. Estuarine Research Federation International Conference, Providence, RI.
- Tyler, A.C. & J.C. Zieman. 1995. *The role of tidal creeks in salt marsh development*. Estuarine Research Federation International Conference, Corpus Christi, TX.