

## John E. Weinstein, Ph.D.

### CURRICULUM VITAE

#### PROFESSIONAL POSITION:

Assistant Provost for Research and Professor  
Department of Biology  
The Citadel  
Charleston, SC 29409

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#### EDUCATION:

<b>Post-Doctoral Research Scholar</b>	1995-1997	Zoology, Miami University, Oxford, OH.
<b>Ph.D.</b>	1994	Biological Sciences, University of South Carolina, Columbia, SC.
<b>M.S.</b>	1991	Biology, East Carolina University, Greenville, NC.
<b>B.A.</b>	1987	Biology, Rutgers University, New Brunswick, NJ.

#### PROFESSIONAL EXPERIENCE:

2021-present Assistant Provost for Research, The Citadel  
*Responsible for Office of Research and Grants (4 staff), including pre-award, post-award, and compliance; and the Undergraduate Research Office, including Academic Excellence Day and the Summer Undergraduate Research Program.*

2011-2016; 2018-2021 Department Head, Department of Biology, The Citadel  
*Responsible for 13 full-time faculty members, 8 adjunct instructors, and 2 staff; planning, scheduling, and assessment of undergraduate and graduate academic programs; annual evaluation of faculty and staff; budgeting; fundraising; department relations within and beyond the college; strategic planning; and maintenance of biology facilities.*

2020-2021 Interim Department Head, Swain Department of Nursing, The Citadel  
*Responsible for 4 full-time faculty members and 6 clinical instructors; planning and scheduling of classes; annual evaluation of faculty; budgeting; and shepherding clinical affiliation agreements.*

2018-2021 Associate Dean for Accreditation, Swain Family School of Science and Mathematics, The Citadel  
*Responsible for assisting Dean in the development of self-studies, coordinating site visits, and other matters related to accreditation of programs in nursing, computer science/cybersecurity, and chemistry.*

2016-2018 Interim Dean, School of Science and Mathematics, The Citadel  
*Responsible for administration of the School, including long-term planning; financial management; fundraising; development of undergraduate and graduate programs and curriculum; marketing; community relations; and, the recruitment, retention, and development of faculty, staff and students.*

2011- present	Professor with tenure, Department of Biology, The Citadel
2005-2011	Associate Professor with tenure, Department of Biology, The Citadel.
2000-2005	Assistant Professor, Department of Biology, The Citadel.
2018-present	Faculty (courtesy appointment), Department of Environmental Health, Arnold School of Public Health, University of South Carolina
2016-present	Faculty (courtesy appointment), Department of Biological Sciences, Clemson University.
2005-present	Faculty (courtesy appointment), Master of Science in Environmental and Sustainability Studies, College of Charleston.
2000-present	Research Adjunct (courtesy appointment), Graduate Program in Marine Biology, College of Charleston.
1998-2000	Assistant Professor, Department of Biological & Earth Sciences, Texas A&M University-Commerce, Commerce, TX.
1997-1998	Visiting Assistant Professor, Department of Biological Sciences, Western Michigan University, Kalamazoo, MI.
1995	Research Assistant Professor, Baruch Institute, University of South Carolina, Columbia, SC.
1987-1988	Bioassay Laboratory Technician, IT Corporation, Edison, NJ.

#### **HONORS AND AWARDS:**

2024	NIEHS Paper of the Month ( <a href="https://factor.niehs.nih.gov/2024/3/papers/dert">https://factor.niehs.nih.gov/2024/3/papers/dert</a> )
2022	NIEHS Paper of the Month ( <a href="https://factor.niehs.nih.gov/2022/12/papers/dert">https://factor.niehs.nih.gov/2022/12/papers/dert</a> )
2022	Governor's Award for Excellence in Scientific Research at a Predominantly Undergraduate Institution
2021-2022	Sabbatical (year-long)
2020	Distinguished Faculty Award, Citadel Academy of Science and Mathematics, Swain Family School of Science and Mathematics, The Citadel
2019	Excellence in Community-engaged Research, Krause Center for Leadership and Ethics, The Citadel
2007-2008	Sabbatical (year-long), Center for Coastal Environmental Health and Biomolecular Research, National Oceanic and Atmospheric Administration, Charleston, SC.
1993	South Carolina Wildlife Federation Scholarship
1989	Outstanding Graduate Student, East Carolina University
1987	<i>Summa cum laude</i> , B.A. in Biology, Rutgers University

#### **TEACHING OVERVIEW:**

##### **A - Courses Taught**

##### The Citadel

BIOL 101	General Biology I
BIOL 102	General Biology II

BIOL 111	General Biology I Laboratory
BIOL 317	Human Anatomy & Physiology I
BIOL 318	Human Anatomy & Physiology II
BIOL 320	Intern Research
BIOL 327	Human Anatomy & Physiology I Laboratory
BIOL 328	Human Anatomy & Physiology II Laboratory
BIOL 403	Mammalian Physiology
BIOL 411	Biology Senior Seminar
BIOL 421	Toxicology
BIOL 603	General Physiology
BIOL 610	Special Topics – Evolution for Secondary Education Teachers
BIOL 610	Special Topics – Recent Trends in Plastic Pollution
BIOL 611	Graduate Research
BIOL 621	Aquatic Toxicology
HON 400	Honors Research

#### Texas A&M – Commerce

BSc 107	Human Biology: Structure and Function
BSc 251	Human Anatomy & Physiology I
BSc 252	Human Anatomy & Physiology II
BSc 305	General Physiology
BSc 424/524	Toxicology
BSc 497/597	Marine Biology
BSc 498	Environmental Biology
BSc 595	Thesis Research
EnvS 204	Introduction to Environmental Science

#### Western Michigan University

BIOS 240	Human Physiology
BIOS 560	Toxicology
BIOS 597	Pollution Biology

#### Miami University

ZOO 121	Environmental Biology
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### **B- Mentoring of Research Experiences**

The Citadel

Undergraduate (B.S. in Biology unless noted)

Michael Galloway

Jerry Higgins

Douglas Karam

Mary Ballentine

Rian Burris

Nicholas Trocha

Evan Buddendorff

John Deckle

Justin Kiel

Emily Schwendinger

Brittney Crocker

Blake Holt

Erin Bucherl

Graduate (M.A. in Biology)

Dana Norton

Jonathan Barr

Bonnie Ertel

Marian Smith

Austin Gray

Rachelle Riegerix

Jonte Miller

Elliot Dillihay

Ross Garner

Bree Maddray

Katrina Villiard

Daniel Mendez  
Rachelle Riegerix  
Austin Gray (B.S. in Physical Education/Health and Wellness)  
Jonte Miller  
Jack Bauer (B.S. in Physical Education/Health and Wellness)  
Kyle Williams  
Elliot Dillihay  
Colby Swank (B.S. in Physical Education/Health and Wellness)  
Eric Roberts  
Ross Garner  
Keane Phillips  
David DeLoach  
Luke Baxley  
Davis Reames

College of Charleston

Graduate (M.S. in Marine Biology)

Gabrielle Jones

Rachel Leads

Hope Wertz

Sarah Kell

Brooke Blosser

Shannon Bley

Jessica Wenclawiak

Annabelle Tierney

Graduate (M.S. in Environmental Studies)

Alan Flemming

Texas A&M – Commerce

Graduate (M.S. in Biology)

Waylan Metts

Kevin Polk

## **SCHOLARLY PUBLICATIONS:**

### **A- Peer-reviewed**

#### **Book chapters**

1. Weinstein, J.E., Viado, J.R., Leads, R.R., Deloughry E., Schandera, L., Liddy, K., Scott, G.I. 2019. Microplastics: A Global Water Pollution Problem. In: Encyclopedia of Water: Science, Technology, and Society, edited by P. Maurice. John Wiley & Sons, Inc., Hoboken, NJ. pp. 447-462 (Chapter 39).
2. Weinstein, J.E. 1996. Anthropogenic Impacts on Salt Marshes - A Review. In: Sustainable Development in the Southeastern Coastal Zone, edited by F.J. Vernberg, W.B. Vernberg, and T. Siewicki. The Belle W. Baruch Library in Marine Science, No. 20. University of South Carolina Press, Columbia, SC. pp. 135-170.

#### **Published articles in peer-reviewed journals** (\* before a name indicates a student author)

1. Edwards, J., Ertel, B., Weinstein, J., Gieré, R. 2025. Morphology and mineral encrustations of density-separated tire-and road-wear particles collected in Charleston, South Carolina. *Polymer Bulletin*, 1-28.
2. Wenclawiak, J. T., Weinstein, J. E., Higgins, J., Karam, D., Ertel, B. 2025. COVID-19 related personal protective equipment (PPE) litter in salt marsh habitats: Degradation and microplastic emission. *Environmental Research*, 277, 121554.

3. Dziobak, M. K., Fahlman, A., Wells, R. S., Takeshita, R., Smith, C., Gray, A., Weinstein, J.E., Hart, L. B. 2024. First evidence of microplastic inhalation among free-ranging small cetaceans. *Plos one*, 19(10), e0309377.
4. Conger, E., Dziobak, M., Berens McCabe, E. J., Curtin, T., Gaur, A., Wells, R. S., Weinstein, J.E., Hart, L. B. 2024. An analysis of suspected microplastics in the muscle and gastrointestinal tissues of fish from Sarasota Bay, FL: exposure and implications for apex predators and seafood consumers. *Environments*, 11(9), 185.
5. Wenclawiak, J. T., Weinstein, J. E., Key, P. B., Plante, C. J., & Beckingham, B. A. 2024. Effects of *Vibrio vulnificus* and *Microcystis aeruginosa* co-exposures on microplastic accumulation and depuration in the Eastern Oyster (*Crassostrea virginica*). *Environmental Pollution*, 359, 124558.
6. Hart, L. B., Dziobak, M., Wells, R. S., Berens McCabe, E., Conger, E., Curtin, T., Weinstein, J. E. 2023. Plastic, It's What's for Dinner: A Preliminary Comparison of Ingested Particles in Bottlenose Dolphins and Their Prey. *Oceans* 4(4), pp. 409-422.
7. Wenclawiak, J.T., Weinstein, J.E. 2023. Prevalence and distribution of personal protective equipment (PPE) litter along the shoreline of Charleston Harbor estuary, South Carolina, USA. *Marine Pollution Bulletin*, 197, 115680.
8. Ertel, B. M., Weinstein, J. E., Gray, A. D. 2023. Rising seas and roadway debris: Microplastic and low-density tire wear particles in street-associated tidal floodwater. *Marine Pollution Bulletin*, 195, 115502.
9. Weinstein, J.E. 2023. Microplastics and tire wear particles in South Carolina coastal waters: Sources, pathways, and toxicity. *Journal of the South Carolina Academy of Sciences*. 21(1): 9-13.
10. Leads, R.R., Weinstein, J.E., Kell, S.E., Overcash, J.M., Ertel, B.M., Gray, A.D. 2023. Spatial and temporal variability of microplastic abundance in estuarine intertidal sediments: Implications for sampling frequency. *Science of the Total Environment*, 859:160308.
11. Hart, L.B., Dziobak, M., Wells, R.S., Ertel, B.M., Weinstein, J.E. 2022. Microplastics in gastric samples from common bottlenose dolphins (*Tursiops truncatus*) residing in Sarasota Bay FL (USA). *Frontiers in Marine Science*. <https://doi.org/10.3389/fmars.2022.947124>.
12. Gray, A.D., Miller, J.A., Weinstein, J.E. 2022. Are green household consumer products less toxic than conventional products? An assessment involving grass shrimp (*Palaemon pugio*) and *Daphnia magna*. *Environmental Toxicology and Chemistry*, 41(10):2444-2453.
13. Weinstein, J.E., Ertel, B.M. and Gray, A.D. 2022. Accumulation and depuration of microplastic fibers, fragments, and tire particles in the eastern oyster, *Crassostrea virginica*: A toxicokinetic approach. *Environmental Pollution*, p.119681.
14. Gray, A.D., Weinstein, J.E., Reigerix, R.C. 2022. Assessment of acute toxicity and developmental transformation impacts of polyethylene microbead exposure on larval daggerblade grass shrimp (*Palaemon pugio*). *Scientific Reports*, 12(1):1-8.
15. Weinstein, J.E., Dekle, J.L., Leads, R.R. and Hunter, R.A. 2020. Degradation of bio-based and biodegradable plastics in a salt marsh habitat: Another potential source of microplastics in coastal waters. *Marine Pollution Bulletin*, 160, p.111518.
16. Parker, B.W., Beckingham, B.A., Ingram, B.C., Ballenger, J.C., Weinstein, J.E. and Sancho, G., 2020. Microplastic and tire wear particle occurrence in fishes from an urban estuary: Influence of feeding characteristics on exposure risk. *Marine Pollution Bulletin*, 160, p.111539.
17. Jiang, B., Kauffman, A.E., Li, L., McFee, W., Cai, B., Weinstein, J.E., Lead, J.R., Chatterjee, S., Scott, G.I. and Xiao, S., 2020. Health impacts of environmental contamination of micro-and nanoplastics: A review. *Environmental Health and Preventive Medicine*, 25(1), pp.1-15.
18. \*Leads, R.R., Burnett, K.G., and Weinstein, J.E. 2019. The effect of microplastic ingestion on survival of the grass shrimp *Palaemonetes pugio* (Holthuis, 1949) challenged with *Vibrio campbellii*. *Environmental Toxicology and Chemistry*, 38(10): 2233-2242.
19. \*Leads, R.R. and Weinstein, J.E. 2019. Occurrence of tire wear particles and other microplastics with the tributaries of Charleston Harbor estuary, South Carolina, USA. *Marine Pollution Bulletin*. 145:569-582.

20. \*Gray, A.D., \*Wertz, H., \*Leads, R.L., Weinstein, J.E. 2018. Microplastic in two South Carolina estuaries: occurrence, distribution, and composition. *Marine Pollution Bulletin*, 128C: 223-233.
21. \*Gray, A.D. and Weinstein, J.E. 2017. Size and shape dependent effects of microplastic particles on adult daggerblade grass shrimp, *Palaemonetes pugio*. *Environmental Toxicology and Chemistry*, 36(11): 3074-3080.
22. Au, S.A, Lee, C.M., Weinstein, J.E., van den Hurk, P., Klaine, S.J. 2017. Trophic transfer of microplastics in aquatic ecosystems: identifying critical research needs. *Integrated Environmental Assessment and Management*, 13(3): 505-509.
23. Weinstein, J.E., \*Crocker, B.K., \*Gray, A.D. 2016. From macroplastic to microplastic: degradation of high-density polyethylene, polypropylene, and polystyrene in a salt marsh habitat. *Environmental Toxicology and Chemistry*, 35(7):1632-1640.
24. \*Williams, C.B., Weinstein, J.E., Rocha, C.L. 2016. Water quality and fecal coliform levels in Georgia oxbow lakes relative to connectivity with the Savannah River. *Georgia Journal of Science*, Vol. 74: No. 2, Article 8. <http://digitalcommons.gaacademy.org/gjs/vol74/iss2/8>.
25. Weinstein, J.E., Crawford, K.D. \*Garner, T.R., Flemming, A.J. 2010. Screening-level ecological and human health risk assessment of polycyclic aromatic hydrocarbons in stormwater detention pond sediments of coastal South Carolina, USA. *Journal of Hazardous Materials*, 178:906-916.
26. Weinstein, J.E., Crawford, K.D., \*Garner, T.R. 2010. Polycyclic aromatic hydrocarbon contamination in stormwater detention pond sediments in coastal South Carolina. *Environmental Monitoring and Assessment*, 162:21-35.
27. Crawford, K.D., Weinstein, J.E., Hemingway, R.E., \*Garner, T.R., \*Globensky, G. 2010. A survey of metal and pesticide levels in stormwater retention pond sediments in coastal South Carolina. *Archives of Environmental Contamination and Toxicology*, 58:9-23.
28. \*Garner, T.R., Weinstein, J.E., Sanger D.M. 2009. Polycyclic aromatic hydrocarbon contamination in South Carolina salt marsh-tidal creek systems: Relationships among sediments, biota and watershed land use. *Archives of Environmental Toxicology and Chemistry*, 57:103-115.
29. \*Flemming, A.T., Weinstein, J.E., Lewitus, A.J. 2008. Survey of PAH in low density residential stormwater ponds in coastal South Carolina: False dark mussels (*Mytilopsis leucomphala*) as potential biomonitors. *Marine Pollution Bulletin*, 56:1598-1608.
30. Weinstein, J.E. and \*Garner, T.R. 2008. Piperonyl butoxide enhances the bioconcentration and photoinduced toxicity of fluoranthene and benzo[a]pyrene to larvae of the grass shrimp (*Palaemonetes pugio*). *Aquatic Toxicology*, 87:28-36.
31. \*Filipowicz, A.B., Weinstein, J.E., Sanger, D.M. 2007. Dietary transfer of fluoranthene from an estuarine oligochaete (*Monopylephorus rubroniveus*) to grass shrimp (*Palaemonetes pugio*): influence of piperonyl butoxide. *Marine Environmental Research*, 63:132-145.
32. \*Bolton-Warberg, M., Coen, L.D., and Weinstein, J.E. 2007. Acute toxicity and acetylcholinesterase inhibition in grass shrimp (*Palaemonetes pugio*) and oysters (*Crassostrea virginica*) exposed to the organophosphate dichlorvos: laboratory and field studies. *Archives of Environmental Contamination and Toxicology*, 52:207-216.
33. Weinstein, J.E., and Diamond, S.A. 2006. Relating daily solar UV radiation dose in salt marsh-associated estuarine systems to laboratory assessments of photoactivated PAH toxicity. *Environmental Toxicology and Chemistry*, 25:2860-2868.
34. Weinstein, J.E. 2003. Influence of salinity on the bioaccumulation and photoinduced toxicity of fluoranthene to an estuarine shrimp and oligochaete. *Environmental Toxicology and Chemistry*, 22:2932-2939.

35. Weinstein, J.E., Sanger D.M. 2003. Comparative tolerance of two estuarine annelids to fluoranthene under normoxic and moderately hypoxic conditions. *Marine Environmental Research*, 56:637-648.
36. Weinstein, J.E., Sanger, D.M., Holland, A.F. 2003. Bioaccumulation and toxicity of fluoranthene in the estuarine oligochaete *Monopylephorus rubroniveus*. *Ecotoxicology and Environmental Safety*, 55:278-286.
37. Weinstein, J.E. 2002. Photoperiod effects on the UV-induced toxicity of fluoranthene to freshwater mussel glochidia: Absence of repair during dark periods. *Aquatic Toxicology*, 59:153-161.
38. Weinstein, J.E. and \*Polk, K.D. 2001. Phototoxicity of anthracene and pyrene to glochidia of the freshwater mussel *Utterbackia imbecillis*. *Environmental Toxicology and Chemistry*, 20:2021-2028.
39. Weinstein, J.E. 2001. Characterization of the acute toxicity of photoactivated fluoranthene to glochidia of the freshwater mussel, *Utterbackia imbecillis*. *Environmental Toxicology and Chemistry*, 20: 412-419.
40. Weinstein, J.E., Oris, J.T. 1999. Humic acids reduce the bioaccumulation and phototoxicity of fluoranthene in fish. *Environmental Toxicology and Chemistry*, 18:2087-2094.
41. Weinstein, J.E., Oris, J.T., Taylor, D.H. 1997. An ultrastructural examination of the mode of UV-induced toxic action of fluoranthene in fathead minnows, *Pimephales promelas*. *Aquatic Toxicology*, 39:1-22.
42. Weinstein, J.E. 1997. Fluoranthene-induced histological alterations in oysters, *Crassostrea virginica*: Seasonal field and laboratory studies. *Marine Environmental Research*, 43:201-218.
43. Weinstein, J.E. 1995. Seasonal responses of the mixed-function oxygenase system in the American oyster, *Crassostrea virginica*, to urban-derived polycyclic aromatic hydrocarbons. *Comparative Biochemistry and Physiology*, 112C:299-307.
44. Weinstein, J.E. 1995. Fine structure of the digestive tubule in the Eastern oyster, *Crassostrea virginica*. *Journal of Shellfish Research*, 14:97-103.
45. Weinstein, J.E., West, T.L., Bray, J.T. 1992. Shell disease and metal content of blue crabs, *Callinectes sapidus*, from the Albemarle-Pamlico Estuarine System, North Carolina. *Archives of Environmental Contamination and Toxicology*, 23:355-362.
46. Gimperline, P.J., Miller, D., West, T.L., Weinstein, J.E., Hamilton, J.G., Bray, J.T. 1992. Principal component analysis, trace metals, and blue crab shell disease. *Analytical Chemistry*, 64:523-52.

**B- Other Published Evidence of Scholarship (non-peer reviewed)**

1. Weinstein, J.E. 2018. Oikos, economics, and our coastal ecosystems. *Charleston Business Magazine*. July 16, 2018.
2. Weinstein, J.E. 2017. The value of grant-funded scientific research. *Charleston Business Magazine*. Nov. 1, 2017.
3. Weinstein, J.E. 2017. Health care's perfect storm and the critical need for nurses. *Charleston Business Magazine*. 2(1):13.
4. Weinstein, J.E., Crawford, K.D., Sanger, D.M. 2010. Sediment contamination in stormwater detention ponds. *Stormwater*. 11(5): 68-74.

**C- Technical Reports (\*before a name indicates a student)**

1. Weinstein, J.E., Lacroix, C., Andre, S., Ertel, B.M. 2022. Application of OSPAR litter assessment guidelines to U.S. Southeast Atlantic coast beaches: enhancing comparability to French datasets. Technical Report. Submitted to the Global Council for Science and the Environment. 26 pp.
2. Weinstein, J.E., Kell, S.E. 2019. Microplastic and tire wear particle concentrations in water and intertidal sediment collected from Northbridge Park, Charleston, SC. Submitted as an Investigative Report to ABC – News 4, Charleston.
3. Weinstein, J.E., Kell, S.E. 2018. Microplastic concentrations in surface and tap water collected from Columbia, SC. Submitted as an Investigative Report to WIS-TV, Columbia.

4. [Weinstein, J.E., Leads, R.R., LaPlaca, S.B., van den Hurk, P. 2018. Microplastic contamination in coastal South Carolina: sources, trophic transfer, and abundance in biota. Submitted to the South Carolina Sea Grant Consortium. 27 pp.](#)
5. [Weinstein, J.E., Klaine, S.J., Au, S.Y, Gray, A.D. 2016. Particle contamination: direct effects on salt-marsh-tidal creek organisms and indirect effects on the bioavailability and toxicity of polynuclear aromatic hydrocarbons \(PAHs\). Submitted to South Carolina Sea Grant Consortium. 33 pp.](#)
6. [Weinstein, J.E., Wertz, H., Gray, A.D. 2014. Marine plastic debris: assessing the hazards to larval oysters, \*Crassostrea virginica\*, and grass shrimp, \*Palaemonetes pugio\*. Submitted to the South Carolina Sea Grant Consortium. 22 pp.](#)
7. Proffitt, C.E, Coen, L.C., Geiger, S., Kimbro, D., Nance, H., Weinstein, J. 2013. The *Deepwater Horizon* oil spill: assessing impacts on a critical habitat, oyster reefs and associated species in Florida Gulf estuaries. Gulf of Mexico Research Initiative Block Grant Technical Report, submitted to Florida Institute of Oceanography, 28 pp.
8. [Weinstein, J.E., \\*Miller, A.E. 2012. Polycyclic aromatic hydrocarbon content in oysters \(\*Crassostrea virginica\*\) from the Florida Gulf Coast following the \*Deepwater Horizon\* oil spill. Submitted to Florida Atlantic University/Florida Institute of Oceanography, 24 pp.](#)
9. [Weinstein, J.E., Crawford, K.D., \\*Garner, T.R. 2008. Chemical and biological contamination of coastal South Carolina stormwater detention ponds: Final Report. Submitted to the South Carolina Department of Health and Environmental Control – Ocean and Coastal Resource Management and South Carolina Sea Grant Consortium, Charleston, SC. 82 pp.](#)

#### RELATED NEWS STORIES AND INTERVIEWS (titles are hyperlinked):

1. Charleston Post & Courier. Feb. 2, 2023. [Microplastics can be in oysters you eat — and hard to flush out, Citadel researchers find](#)
2. National Institute of Environmental Health Sciences. December 2022. [For oysters, microplastic uptake and purging depend on contaminant size and shape](#). Environmental Factor. Papers of the Month.
3. Charleston Post & Courier. Oct. 19, 2021. [Citadel experiment will analyze how PPE degrades in coastal environments](#).
4. WCIV-TV (Charleston, SC). Oct. 18, 2021. [Citadel cadets conducting decomposition study on discarded PPE](#). Also aired on WGHP – Fox (High Point, NC).
5. WCBF-TV (Charleston, SC). [Citadel cadets, professor launch investigation into impacts of PPE on Charleston marshes](#). Oct. 14, 2021. Also aired on WBTW–CBS (Florence-Myrtle Beach, SC) and WFXB-Fox (Florence-Myrtle Beach, SC).
6. Charleston Post & Courier. [Citadel professor finds not all plastic is equal in study on decomposition](#). Feb. 12, 2021.
7. The Citadel Today. [What’s in Lowcountry sunny-day floodwaters that can endanger people, marine life and the environment?](#) Citadel’s Center for Climate Studies is working to find that out, and much more. Oct. 20, 2020.
8. WCIV-TV (Charleston, SC). [Microplastics in seafood – concerns over pellets](#). Oct. 6, 2020.
9. The State Newspaper (Columbia, SC). [Company accused of polluting ocean with plastic has an ally: SC ports](#). Oct. 1, 2020.
10. National Geographic. [Tires, the plastic polluter you never thought about](#). Sept. 20, 2019.
11. Charleston Post & Courier. [Plastic bags will disappear from Charleston stores in January, following national trend](#). Dec. 14, 2019.
12. The Citadel Today. [Following up: thoughts from Dr. John Weinstein after plastics pollution discussions with French leaders and scientists](#). Dec. 6, 2019.
13. WCBF-TV (Charleston, SC). [Microplastics in the lowcountry are tiring out sea life](#). Nov. 22, 2019.
14. Pattn (Twitter outlet for The Weather Channel). [Stealthiest microplastic ever?](#) Nov. 22, 2019.

15. South Carolina Aquarium. [Microplastics & Mega Problems: Pollution Solutions in the Lowcountry](#). Nov. 21, 2019.
16. Citadel Magazine. [The Plastic Breakdown](#). Aug. 1, 2019.
17. OHM Radio (Charleston, SC). [The Lowdown: Plastics Research](#). Interview, May 29, 2019.
18. South Carolina Public Radio. [Pondering Plastic – Wildlife, Bans and Trash](#). Interview, April 8, 2019.
19. The Island Eye News. [South Carolina Politics Consider A Ban On Plastic's Ban](#). March 24, 2019
20. WCIV-TV (Charleston, SC). [Tire particles found in Charleston waterways, researchers say](#). Investigative Report. March 18, 2019.
21. The State Newspaper (Columbia, SC). [Traces of plastic found in Columbia's drinking water and rivers: researchers not surprised](#). March 3, 2019.
22. WIS-TV (Columbia, SC). [How do microplastics in our drinking water affect our health](#). Investigative Report. Feb. 27, 2019.
23. Charleston Post & Courier. [Diseases from the sea being studied by 3 South Carolina colleges](#). Jan. 17, 2019.
24. National Resources Defense Council. [Tires: An emerging threat to our waterways, our seafood, and ourselves?](#) March 29, 2018.
25. Science News for Students. [Car tires and brakes spew harmful microplastics](#). Dec. 14, 2018.
26. Gimlet Media. [Science vs. Plastics – The Final Straw?](#) Interview, podcast. Sept. 13, 2018.
27. Charleston Post & Courier. [Plastic scraps from Charleston Harbor make for trashy art](#). Nov. 5, 2018.
28. Charleston Post & Courier. [New South Carolina water pollution research from The Citadel points to tires, eco-plastics](#). Jan. 29, 2018.
29. Washington Times. [Report finds tons of plastic in Charleston Harbor](#). Oct. 7, 2014.
30. Charleston Post & Courier and 30+ other news outlets nationwide. [Study says tons of plastic in Charleston Harbor](#). Oct. 6, 2014.
31. Coastal Heritage Magazine. [The Global Plastic Breakdown: How Microplastics are Shredding Ocean Health](#). May 2014.

## PRESENTATIONS – CONFERENCES AND SCIENTIFIC MEETINGS:

### A- Posters/Oral Presentations/Symposia (\* before a name indicates a student)

#### 1- National/International organizations

1. Jones, G., Weinstein, J.E. 2025. Bioaccumulation and depuration of microplastics in eastern oysters, *Crassostrea virginica*: Influence of temperature on toxicokinetic parameters. 46<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Portland, OR. Nov. 17, 2025.
2. Leads, R.R., Weinstein, J.E., Mayer, K., Eddleman, K., Roberts, A.P., Gray, A.D. 2025. Occurrence of microplastics and tire and road wear particles (TRWPs) in field-collected Eastern oysters (*Crassostrea virginica*) and grass shrimp (*Palaemon pugio*) from the Charleston Harbor estuary, South Carolina, USA. 46<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Portland, OR. Nov. 19, 2025.
3. Norton, D., Weinstein, J.E. 2024. Painting by the numbers: quantifying paint particles and other microplastics in roadway adjacent salt marshes subject to nuisance flooding. 45<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Ft. Worth, TX. October 23, 2024.
4. Jones, G., Weinstein, J.E. 2024. Assessing the impact of water temperature on microplastic uptake and depuration in the eastern oyster, *Crassostrea virginica*. 45<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Ft. Worth, TX. October 24, 2024.
5. Norton, D., Weinstein, J.E., Barr, J. 2023. Assessing environmental fate of floodwater-associated tire wear particles along roadway-salt marsh interfaces. 44<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Louisville, KY. Nov. 14, 2023.

6. Wencławiak, J.T., Weinstein, J.E. 2023. Effect of *Vibrio* and *Microcystis* co-exposures on microplastic bioaccumulation in the Eastern oyster (*Crassostrea virginica*). Oceans and Human Health Annual Meeting, Fort Myers, FL. May 11, 2023.
7. Weinstein, J.E., \*Ballentine, M.C., Ertel, B.M. 2023. Deposition of airborne microplastic and tire wear particles in salt marsh habitats: Proximity to bridges. Society of Environmental Toxicology and Chemistry-Europe. Dublin, Ireland. May 4, 2023.
8. \*Ballentine, M.C., Ertel, B.M., Weinstein, J.E. 2022. Atmospheric deposition of microplastics and tire wear particles in salt marsh habitats: Relationship to meteorological factors. 43rd Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Pittsburgh, PA. Nov. 14, 2022.
9. \*Wencławiak, J., Weinstein, J.E., Key, P.B., Plante, C., Beckingham, B. 2022. Effect of *Vibrio* and *Microcystis* co-exposures on microplastic bioaccumulation in the Eastern oyster, *Crassostrea virginica*: Implications for human dietary exposures. 43rd Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Pittsburgh, PA. Nov. 17, 2022. (Second Place – Platform Presentation)
10. Paterson, K., Beckingham, B., Weinstein, J.E. 2022. Capture of tire road wear particles in manufactured treatment devices, a stormwater pollution best management practice. 43rd Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Pittsburgh, PA. Nov. 14, 2022.
11. \*Bley, S.M., Weinstein, J.E., Key, P.B., Beckingham, B. 2022. Chronic effects of microplastic and microrubber exposure on grass shrimp (*Palaemon pugio*). 43rd Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Pittsburgh, PA. Nov. 15, 2022.
12. \*Bley, S.M., Weinstein, J.E., Beckingham, B., Robinson, J. 2022. The role of stormwater detention ponds in the transport of tire wear particles to the coastal waters of South Carolina. 43rd Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Pittsburgh, PA. Nov. 14, 2022.
13. Ertel, B.M., Weinstein, J.E., Gray, A.D., Scott, G.I. 2022. Bioaccumulation of microplastic particles in the Eastern oyster, *Crassostrea virginica*: One health connections. 43rd Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. Pittsburgh, PA. Nov. 14, 2022.
14. Edwards, J., Giere, R., Ertel, B., Weinstein, J. 2022. Magnifying microplastics: Exploring tire and road wear particles through image and elemental analysis. Goldschmidt Conference, Honolulu, Hawaii. July 10-15, 2022.
15. Weinstein, J.E., \*Ertel, B.M. 2022. Size-and shape-dependent bioaccumulation dynamics of microplastic and microrubber particles in the eastern oyster, *Crassostrea virginica*. 32<sup>nd</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry-Europe. Copenhagen, Denmark. May 16, 2022.
16. Weinstein, J.E., Leads, R.R., Kell, S.E., \*Blosser, B.C., \*Ertel, B.M. 2022. When the rubber meets the road... and ends up on the dinner plate: occurrence and fate of microscopic tire particles in the coastal waters of South Carolina. Ocean Sciences Meeting (Virtual). March 4, 2022.
17. \*Ertel, B.M., Weinstein, J.E., LaCroix, C., Andre, S. 2022. Plastic PPE litter on beaches: estimating abundance through citizen science and standardized sampling techniques. Ocean Sciences Meeting (Virtual). March 1, 2022.
18. \*Bley, S., Weinstein, J.E., Beckingham, B., Robinson, J. 2022. Tire wear particle pathways between road surfaces and coastal waters: Role of stormwater detention ponds. Ocean Sciences Meeting (Virtual). Feb 28, 2022.
19. Chatterjee, C., Norman, S., Sandifer, P., Ferry, J., Brooks, B., Weinstein, J., Porter, D., Scott, G. 2022. The effects of climate change and urbanization on the virulence and antibiotic resistance of *Vibrio* and cyanobacteria harmful algal blooms affecting seafood safety and contact recreation in the coastal zone. Ocean Sciences Meeting (Virtual). March 4, 2022.

20. \*Ertel, B., Weinstein, J.E. 2021. Investigating impacts of the pandemic on plastic pollution using citizen science databases. 42<sup>nd</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. SciCon4. Nov. 14-18, 2021. (*Second Place – Best Platform Presentation*).
21. \*Bley, S., Weinstein, J.E., Beckingham, B., Robinson, J. 2021. Microplastics in stormwater ponds and their adjacent receiving tidal creeks in coastal South Carolina: A focus on microscopic tire wear particles. 42<sup>nd</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. SciCon4. Nov. 14-18, 2021.
22. \*Ertel, B.M., \*Blosser, B.C., Weinstein, J.E. 2021. Uptake and elimination of microplastics and tire wear particles in the Eastern oyster (*Crassostrea virginica*): Implications for lowering exposures to human consumers. 42<sup>nd</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. SciCon4. Nov. 14-18, 2021.
23. \*Ertel, B., Weinstein, J.E., \*Smith, M., Edwards, J., Giere, R. 2021. Rising seas and roadway debris: Environmental fate of tire-wear microplastic following nuisance flooding in coastal South Carolina. 42<sup>nd</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. SciCon4. Nov. 14-18, 2021.
24. Paterson, K., Beckingham, B., Weinstein, J.E. 2021. Evaluation of stormsewer inlets to capture low- and high-density tire wear particles from roadway runoff. 42<sup>nd</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. SciCon4. Nov. 14-18, 2021.
25. \*Ertel, B.M., Weinstein, J.E. 2021. Recent trends in plastic litter from within the United States during the COVID-19 pandemic. Global Council for Science and Environment. French-American Plastics Working Group. April 12, 2021.
26. \*Ertel, B.M., \*Blosser, B.C., Weinstein, J.E. 2021. Human dietary exposure to microplastics from oysters (*Crassostrea virginica*): Lowering exposure through depuration. NSF - NIH Oceans and Human Health. Virtual Meeting, Bowling Green State University. Oct. 4-6, 2021.
27. \*Ertel, B., \*Burris, R., Weinstein, J.E. 2020. Encroaching tides and extreme rainfall: Floodwater as a source of microplastic and tire wear particles to coastal waterways. 41<sup>st</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. SciCon2. Nov. 15-19, 2020.
28. \*Blosser, B., Leads, R.R., Kingsley-Smith, P., Sundin, G., Weinstein, J.E. 2020. Characterization of microplastics and tire wear particles in oysters (*Crassostrea virginica*) from South Carolina. 41<sup>st</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. SciCon2. Nov. 15-19, 2020.
29. Viado, JR, Porter, D., Chandler, G.T., Weinstein, J.E., Scott, G.I. 2020. Survey and spatial distribution of microplastics in the Midlands Rivers System of South Carolina. 41<sup>st</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – North America. SciCon2. Nov. 15-19, 2020.
30. \*Ertel, B., \*Burris, R., Weinstein, J.E. 2020. Assessing nuisance floodwater in Charleston, SC as a potential pathway for street-derived microplastic and tire wear particles in coastal waterways. NSF - NIH Oceans and Human Health. Virtual Meeting, Woods Hole Oceanographic Institution.
31. \*Blosser, B., Leads, R.R., Kingsley-Smith, P., Weinstein, J.E. 2020. Microplastics, oysters, and us: How many microplastics are you ingesting when you eat South Carolina oysters (*Crassostrea virginica*)? NSF - NIH Oceans and Human Health. Virtual Meeting, Woods Hole Oceanographic Institution.
32. \*Ertel, B., Burris, R., Weinstein, J.E. 2020. Climate-change associated floodwater as a pathway for microplastic and tire wear particle transport to coastal waterways: A case study of Charleston, SC (USA). 30<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry – Europe. SciCon (Virtual Conference). May 3-7, 2020.
33. \*Blosser, B., Leads, R.R., Kingsley-Smith, P., Weinstein, J.E. 2019. Microplastic content in oysters (*Crassostrea virginica*) from Charleston Harbor, SC (USA). 40<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry. Toronto, ON. Nov. 3-7, 2019.
34. Weinstein, J.E., Leads, R.R., Gray, A.D., Kell, S.E. 2019. From the open road to the open water: Sources and fate of tire particles and other microplastics in Charleston Harbor. Pollution Responses in Marine Organisms (PRIMO20). Charleston, SC. May 23, 2019.

35. \*Kell, S.E., Beckingham, B., Weinstein, J.E. 2019. Residence time of tire wear particles in the gut and gill of grass shrimp, *Palaemonetes pugio*. Pollution Responses in Marine Organisms (PRIMO20), Charleston, SC. May 23, 2019. (*Rachel Carson Award – Best Platform Presentation*)
36. Gray, A.D. and Weinstein, J.E. 2018. Plastic bag bans in South Carolina: Science communication from grant proposal to informing public policy. 39<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry; Sacramento, CA. Nov. 4-8, 2018.
37. \*Kell, S.E., Mazur, H., Beckingham, B., Weinstein, J.E. 2018. Recovery of microplastics and tire wear particles from fine grain sediment with a common density separation technique using different agitation methods. 39<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry; Sacramento, CA. Nov. 4-8, 2018. (*Second Place – Best Platform Presentation*).
38. \*Leads, R.R., \*Kell, S.E., Weinstein, J.E. 2018. Temporal variability of microplastic abundance in intertidal sediments: implications for sampling frequency. 39<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry; Sacramento, CA. Nov. 4-8, 2018.
39. Weinstein, J.E., \*Leads, R.R., \*Kell, S.E., Gray, A.D. 2018. Particle toxicity in the daggerblade grass shrimp (*Palaemonetes pugio*): Micronized tire wear particles and microplastics. 28<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry Europe; Rome, Italy. May 13-17, 2018.
40. \*Leads, R.R. and Weinstein, J.E. 2018. Micronized tire rubber: Abundance and distribution within the microplastic litter of the Charleston Harbor estuary, South Carolina, USA. 28<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry Europe; Rome, Italy. May 13-17, 2018.
41. \*Leads, R.R. and Weinstein, J.E. 2017. Tire wear particles: Occurrence, fate, and effects in the Charleston Harbor estuary, SC. 38<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry; Minneapolis, MN. Nov. 12-16, 2017. (*First Place – Best Platform Presentation*).
42. \*Dekle, J.L., \*Leads, R.R., and Weinstein, J.E. Degradation of biodegradable plastics in a salt marsh habitat. 38<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Nov 12-16, 2017.
43. Weinstein, J.E. 2017. Microplastics in Charleston Harbor: The global problem in our backyard. South Carolina Aquarium, 2017 Plastic Pollution Summit. Charleston, SC. March 30, 2017.
44. \*Gray, A.D., Weinstein J.E. 2016. Uptake and retention of microplastic particles by the daggerblade grass shrimp, *Palaemonetes pugio*. 37<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Orlando, FL. Nov. 6-10, 2016. (*First Place – Best Platform Presentation*)
45. Weinstein, J.E., \*Holt, C.B., \*Gray, A.D., and \*Leads, R.R. 2016. Contribution of plastic debris to microplastic abundance in Charleston Harbor. 37<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Orlando, FL. Nov. 6-10, 2016.
46. \*Leads, R.R., Weinstein, J.E. 2016. Identifying sources of microplastic debris in Charleston Harbor, SC. 37<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Orlando, FL. Nov. 6-10, 2016 (*Second Place – Best Poster Presentation*).
47. Holt, C.B., Weinstein, J.E. 2015. Microplastic particle formation from field-collected plastic debris in a salt marsh habitat. 36<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Salt Lake City, UT. Nov. 1-5, 2015.
48. \*Wertz, H., DeLorenzo, M.E., Weinstein, J.E. 2015. Assessing the effects of polyethylene microbeads on juvenile hard clams (*Mercenaria mercenaria*). 36<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Salt Lake City, UT. Nov. 1-5, 2015.
49. Weinstein, J.E., \*Crocker, B.K., \*Gray, A.D. 2015. Microplastic formation from plastic debris in estuarine environments. 36<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Salt Lake City, UT. Nov. 1-5, 2015.
50. \*Gray, A.D., \*Wertz, H., Weinstein, J.E. 2015. Microplastic abundance in South Carolina estuaries. 36<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Salt Lake City, UT. Nov. 1-5, 2015.
51. \*Crocker, B.K., Weinstein, J.E. 2015. From plastic to microplastic: Decomposition of three common plastic polymers in a salt marsh habitat. Council on Undergraduate Research. 25<sup>th</sup> Annual Posters on the Hill. Washington, D.C. April 23, 2015.

52. Weinstein, J.E. 2014. Microplastics in estuarine environments: A case study of Charleston Harbor. 35<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Vancouver, B.C. Nov. 9-12, 2014.
53. \*Gray, A.D., \*Mendez, D., Weinstein, J.E. 2014. Size-dependent effects of polyethylene microspheres to the daggerblade grass shrimp, *Palaemonetes pugio*. 35<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Vancouver, B.C. Nov. 9-12, 2014.
54. \*Riegerix, R.C., \*Gray, A.D., Weinstein, J.E. 2014. Assessing the potential hazards of polyethylene microspheres on grass shrimp, *Palaemonetes pugio*. 35<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Vancouver, B.C. Nov. 9-12, 2014.
55. \*Wertz, H., Weinstein, J.E. 2014. Plastic debris in Charleston Harbor: Correlating macroplastic debris with microplastic particles. 35<sup>th</sup> Annual Meeting, Society of Environmental Toxicology and Chemistry, Vancouver, B.C. Nov. 9-12, 2014.
56. \*Gray, A.D., Weinstein, J.E. 2013. Characterizing the sensitivity of *Daphnia magna* to green home and personal care products: linking product formulation to hazard. Society of Environmental Toxicology and Chemistry. 34<sup>th</sup> Annual Meeting, Nashville, TN. Nov. 17-21, 2013. (*Second Place Winner*).
57. Weinstein, J.E., \*Miller, J.A. 2013. Comparative assessment of the toxicity of green household products. Society of Environmental Toxicology and Chemistry - Europe. 23<sup>rd</sup> Annual Meeting, Glasgow, Scotland. May 12-16, 2013.
58. Weinstein, J.E., \*Miller, J.A., Proffitt, C.E., Kimbro, D.L., Geiger, S.P., Coen, L.C. 2013. Spatial and temporal trends in PAH levels of oysters (*Crassostrea virginica*) from the Florida Gulf Coast following the *Deepwater Horizon* oil spill. Gulf of Mexico Research Initiative, Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, Jan. 21-23, 2013.
59. Geiger, S.P., Proffitt, C.E., Nance, H., Kimbro, D.L., Weinstein, J.E. 2012. Baseline assessment of oyster reefs and their associated fauna in multiple Florida Gulf estuaries. 104<sup>th</sup> Annual Meeting of the National Shellfisheries Association. Seattle, WA, March 25-29<sup>th</sup>, 2012.
60. Miller, J., \*Dillihay, E., \*Boyd W., Weinstein J. 2011. Toxicity of green household product formulations to larvae of the grass shrimp, *Palaemonetes pugio*. Society of Environmental Toxicology and Chemistry. 32<sup>nd</sup> Annual Meeting, Boston, MA.
61. Coen, L.D., Proffitt, C.E., Geiger, S.P., Kimbro, D.L., Weinstein, J.E. 2011. Florida Gulf Coast oysters and associated fauna: effects of the Deepwater Horizon oil spill and setting baseline conditions for future disturbances. Coastal and Estuarine Research Federation 21<sup>st</sup> Biennial Conference, Daytona Beach, FL.
62. Nolan, P.M., Weinstein, J.E. 2010. Assessing avian use of stormwater detention ponds in a coastal environment. International Society for Behavioral Ecology, Perth, Australia.
63. Weinstein, J.E., \*Bauer, J. 2010. Toxicokinetics and photoinduced toxicity of PAHs in piperonyl butoxide co-exposures to larvae of the grass shrimp (*Palaemonetes pugio*). Society of Environmental Toxicology and Chemistry. 31<sup>st</sup> Annual Meeting, Portland, OR.
64. Weinstein, J.E., Crawford, K.D., \*Garner, T.R., \*Flemming, A.J. 2009. Ecological and human health risk assessment of PAHs in stormwater detention pond sediments from coastal South Carolina. Society of Environmental Toxicology and Chemistry. 30<sup>th</sup> Annual Meeting, New Orleans, LA.
65. Weinstein, J.E., \*Garner, T.R. 2008. Effect of piperonyl butoxide on the bioconcentration and photoinduced toxicity of PAH to larvae of the grass shrimp (*Palaemonetes pugio*). Society of Environmental Toxicology and Chemistry. 5<sup>th</sup> World Congress. Sydney, Australia.
66. Crawford, K.D., Weinstein, J.E., \*Garner, T.R., \*Globensky, G.G., Sanger, D.M. 2008. Contamination of South Carolina coastal stormwater pond sediments: PAH, metal and pesticide analysis. Society of Environmental Toxicology and Chemistry. 29<sup>th</sup> Annual Meeting. Tampa, FL.
67. \*Garner, T.R., Weinstein, J.E. 2008. Acute and chronic toxicity of piperonyl butoxide to larvae of the grass shrimp, *Palaemonetes pugio*. Society of Environmental Toxicology and Chemistry. 29<sup>th</sup> Annual Meeting. Tampa, FL.

68. \*Garner, T.R., Weinstein, J.E., Sanger, D.M. 2007. The case of the mysteriously declining PAH bioaccumulation factor in the estuarine oligochaete, *Monopylephorus rubroniveus*. Society of Environmental Toxicology and Chemistry. 28<sup>th</sup> Annual Meeting. Milwaukee, WI.
69. \*Garner, T.R., Weinstein, J.E., and Sanger, D.M. 2006. PAH contamination in salt marsh-tidal creek systems: Sediments, tubificid worms, and shrimp. Society of Environmental Toxicology and Chemistry. 27<sup>th</sup> Annual Meeting. Montreal, Quebec.
70. Weinstein, J.E., Diamond, S.A. 2006. Relating habitat-specific UV exposure to laboratory assessments of PAH phototoxicity. Society of Environmental Toxicology and Chemistry. 27<sup>th</sup> Annual Meeting. Montreal, Quebec.
71. \*Filipowicz, A.B., Weinstein, J.E., Sanger, D.M. 2005. Dietary transfer of fluoranthene from an estuarine oligochaete to grass shrimp: Influence of piperonyl butoxide. Society of Environmental Toxicology and Chemistry. 26<sup>th</sup> Annual Meeting. Baltimore, MD.
72. Weinstein J.E., Diamond, S.A. 2004. Quantifying ultraviolet irradiance in estuarine tidal creek habitats: Relevance to the assessment of PAH phototoxicity. Society of Environmental Toxicology and Chemistry. 25<sup>th</sup> Annual Meeting and Fourth World Congress. Portland, OR.
73. \*Filipowicz, A., Weinstein, J.E., Sanger, D.M. 2004. Bioaccumulation of a PAH in the estuarine oligochaete, *Monopylephorus rubroniveus*: the potential for trophic transfer. American Society of Limnology and Oceanography. Savannah, GA.
74. Coen, L.D., Hollis, A.O., Hodges, M.S., Weinstein, J.E. 2004. Toward more environmentally-friendly BMPs for intertidal oyster restoration: An experimental study evaluating stabilizing mesh and related approaches. International Triennial Meeting of the World Aquaculture Society. Honolulu, HI.
75. Weinstein, J.E., \*Baxley, L.D. 2003. Effect of salinity on PAH bioaccumulation and phototoxicity in an estuarine shrimp and oligochaete. Society of Environmental Toxicology and Chemistry, 24<sup>th</sup> Annual Meeting, Austin, TX.
76. Sanger, D.M., Weinstein, J.E. 2003. Combined effects of lowered oxygen and polycyclic aromatic hydrocarbon exposure on two common annelids of South Carolina coastal estuaries. Estuarine Research Federation. 17<sup>th</sup> Biennial Meeting, Seattle, WA.
77. Weinstein, J.E. 2002. Photoperiod Effects on the UV-induced toxicity of PAH to freshwater mussel glochidia. Society of Environmental Toxicology and Chemistry, 23<sup>rd</sup> Annual Meeting, Salt Lake City, UT.
78. Sanger, D.M., Weinstein, J.E. 2002. Phototoxicity of fluoranthene to an estuarine tubificid oligochaete, *Monopylephorus rubroniveus*, in water-only and sediment exposures. Society of Environmental Toxicology and Chemistry, 23<sup>rd</sup> Annual Meeting, Salt Lake City, UT.
79. Weinstein, J.E. 2002. Ultraviolet light enhances the toxicity of polycyclic aromatic hydrocarbons to glochidia of the paper pondshell, *Utterbackia imbecillis*. American Malacological Society, 68<sup>th</sup> Annual Meeting, Charleston, SC.
80. Weinstein, J.E., Polk \*K.D. 2001. Relative phototoxic potency of three PAHs to glochidia of freshwater mussels. Society of Environmental Toxicology and Chemistry, 22<sup>nd</sup> Annual Meeting, Baltimore, MD.
81. Weinstein, J.E. 2000. Characterization of the acute toxicity of phototoxic fluoranthene to glochidia of the freshwater mussel, *Utterbackia imbecillis*. Society of Environmental Toxicology and Chemistry, 21<sup>st</sup> Annual Meeting, Nashville, TN.
82. Oris, J.T., Hatch, A.C., Weinstein, J.E., Findlay, R.H., Diamond, S.A., Burton, G.A., Allen, B. 1998. Modeling site specific phototoxicity of PAH in natural waters: case study of Lake Tahoe, California/Nevada, USA. Society of Environmental Toxicology and Chemistry 19<sup>th</sup> Annual Meeting, Charlotte, NC.
83. Oris, J.T., Hatch, A.C., Weinstein, J.E., Findlay, R.H., McGinn, P.J., Diamond, S.A., Garrett, R., Jackson, W., Burton, G.A., Allen, B. 1998. Toxicity of ambient levels of motorized watercraft emissions to fish and zooplankton in Lake Tahoe, California/Nevada, USA. European Society of Environmental Toxicology and Chemistry, 8<sup>th</sup> Annual Meeting, Bordeaux, France.

84. Weinstein, J.E., Oris J.T. 1997. Humic acids reduce the bioaccumulation and phototoxicity of fluoranthene in fish. Society of Environmental Toxicology and Chemistry, 18<sup>th</sup> Annual Meeting, San Francisco, CA.
85. Weinstein, J.E., Oris, J.T., Taylor, D.H. 1997. An ultrastructural examination of the mode of photo-induced toxic action of PAH in fish. ASTM Seventh Symposium on Environmental Toxicology and Risk Assessment, St. Louis, MO.
86. Diamond, S.A., Barron, M., Cacula, D., Little, E.E., Hurtubise, R.D., Oris J.T., Weinstein J.E. 1997. Considerations for the estimation and experimental reproduction of UV radiation dose in natural waters. ASTM Seventh Symposium on Environmental Toxicology and Risk Assessment, St. Louis, MO.
87. Weinstein, J.E. 1996. Fluoranthene-induced histological alterations in oysters, *Crassostrea virginica*: Seasonal field and laboratory studies. Society of Environmental Toxicology and Chemistry 17<sup>th</sup> Annual Meeting, Washington, DC.
88. Weinstein, J.E., Oris, J.T., Taylor, D.H. 1996. Mode of photo-induced toxic action of PAH in fish. Society of Environmental Toxicology and Chemistry 17<sup>th</sup> Annual Meeting, Washington, DC.
89. Oris, J.T., Weinstein J.E., Walker S.E., Choi J. 1996. Mode of photo-induced toxic action of PAH in vertebrates. ASTM Annual Meeting, Orlando FL.

## 2- State/Regional organizations

1. Jones, G., Weinstein, J.E. 2025. Characterizing the effects of seawater temperature and particle-type on microplastic uptake and depuration in the Eastern oyster, *Crassostrea virginica*. Annual Meeting – Carolinas Society of Environmental Toxicology and Chemistry. Charleton, SC. April 18, 2025. (Second Place, Platform Presentation).
2. Norton, D., Weinstein, J.E. 2025. When rubber meets the road... and the marsh: microplastic contamination from tires and road particles. Carolinas Society of Environmental Toxicology and Chemistry. Charleton, SC. April 18, 2025.
3. Norton, D., Weinstein, J.E. 2024. Microplastics in roadway adjacent salt marsh sediments: an unexpected find. Microplastics in the Coastal Region Conference. Charleston, SC. April 9, 2024. (*Best Oral Presentation*)
4. Norton, D., Weinstein, J.E. 2024. Shrimp and grits: tire and road wear particle effects on gut retention time and inflammation. Annual Meeting - Carolinas Society of Environmental Toxicology and Chemistry. Boone, NC. April 15, 2024.
5. \*Wenclawiak, J.T., Weinstein, J.E. 2023. Microplastic accumulation in Eastern oysters (*Crassostrea virginica*) co-exposed to *Vibrio vulnificus* and *Microcystis aeruginosa*: A toxicokinetic approach. Annual Meeting, Carolinas Society of Environmental Toxicology and Chemistry, Charleston, SC. April 20, 2023. (Second Place – Platform Presentation).
6. \*Ertel, B.M., Weinstein, J.E. 2022. Charleston street flooding is more than just a nuisance: A pathway for microplastic particles into our coastal waterways. SC Sea Grant Research Symposium. Charleston, SC. May 11, 2022.
7. \*Wenclawiak, J.T., Weinstein, J.E. 2022. Prevalence of personal protective equipment (PPE) in macroplastic litter in Charleston Harbor, South Carolina. SC Sea Grant Research Symposium. Charleston, SC. May 11, 2022.
8. \*Bley, S., Weinstein, J.E., Beckingham, B., Robinson, J. 2022. Stormwater detention ponds as a pathway for downstream microplastic and tire wear particle transport. SC Sea Grant Research Symposium. Charleston, SC. May 11, 2022. (*M. Richard Devoe Student Poster Award*)
9. \*Ertel, B.M., Weinstein, J.E. 2022. Uptake and depuration of microplastics and tire particles in the eastern oyster, *Crassostrea virginica*: A toxicokinetic approach. Annual Meeting, Carolinas Society of Environmental Toxicology and Chemistry, Research Triangle Park, NC. April 7, 2022. (*First Place Platform Presentation – student presentation*).

10. \*Wenclawiak, J.T., Weinstein, J.E. 2022. Plastic litter in Charleston Harbor: Characterizing temporal trends and the impact of the pandemic. Annual Meeting, Carolinas Society of Environmental Toxicology and Chemistry, Research Triangle Park, NC. April 7, 2022.
11. \*Higgins, J., Weinstein, J.E. 2022. Plastic PPE degradation in a salt marsh habitat. Annual Meeting, Carolinas Society of Environmental Toxicology and Chemistry, Research Triangle Park, NC. April 7, 2022.
12. \*Bley, S., Weinstein, J.E., Beckingham, B., Robinson, J. 2022. Microplastic and tire wear particle contamination in stormwater detention ponds and receiving tidal creeks. Annual Meeting, Carolinas Society of Environmental Toxicology and Chemistry, Research Triangle Park, NC. April 7, 2022.
13. Weinstein, J.E. 2021. Microplastics in Charleston Harbor: Scope of the problem. Microplastics Short Course. Carolinas and South East SETAC Joint Annual Meeting. Virtual Meeting. May 17-18, 2021.
14. \*Ertel, B., Weinstein, J.E. 2021. Prevalence of PPE in plastic litter before and during the pandemic. Carolinas and South East SETAC Joint Annual Meeting. Virtual Meeting. May 17-18, 2021. (*Second place – student presentation*).
15. \*Smith, M., \*Ertel, B.M., Weinstein, J.E. 2021. Microplastics and tire wear particles in nuisance floodwater: Role of adjacent marshes in particle capture. Carolinas and South East SETAC Joint Annual Meeting. Virtual Meeting. May 17-18, 2021.
16. \*Burris, R., Weinstein, J.E., \*Blosser, B.C., \*Ertel, B.M., \*Smith, M. 2021. Quantifying microplastic concentrations in the sediment and water of three South Carolina watersheds. Carolinas and South East SETAC Joint Annual Meeting. Virtual Meeting. May 17-18, 2021.
17. \*Ertel, B., \*Burris, R., Weinstein, J.E. 2021. Environmental fate of microplastic and tire wear particles from coastal floodwater in Charleston, SC. Carolina’s Climate Resilience Conference, Durham NC. Virtual presentation. May 10-12 2021. (*First place – student presentation*).
18. \*Ertel, B., Burris, R., Blosser, B., Weinstein, J.E. 2020. Nuisance floodwaters as a potential pathway for microplastic and tire wear particle transport into the waterways of Charleston, SC. Carolinas Regional Society of Environmental Toxicology and Chemistry. Virtual Conference. May 22, 2020.
19. Sancho, G., Parker, B., Ingram, B., Graham, B., Ballenger, J. Weinstein, J. and Beckingham, B. 2020. Ingestion of microplastics by fishes in Charleston Harbor: What do we know so far? Annual Meeting of the South Carolina Chapter - American Fisheries Society (SCFAS). Santee, South Carolina. March 4-6, 2020.
20. \*Kell, S.E., Beckingham, B., Weinstein, J.E. 2019. Fate and effects of tire wear particles and other microplastics in coastal waterways. Carolinas Regional Society of Environmental Toxicology and Chemistry. Charleston, SC. March 14, 2019. (*Second Place – Best Platform Presentation*).
21. Weinstein, J.E., Leads, R.R., Gray, A.D., Kell, S.E. 2018. Sources of microplastics in Charleston Harbor sediments: An overview. South Carolina Water Resources Conference, Columbia, SC. Oct 17-18, 2018.
22. \*Leads, R.R., \*Kell, S.E., and Weinstein, J.E. 2018. Prevalence of tire particles in the microplastic litter of Charleston Harbor and their effects on grass shrimp. Carolinas Regional Society of Environmental Toxicology and Chemistry. Durham, NC. April 25-27, 2018. (*First Place – Best Platform Presentation*).
23. \*Kell, S.E. and Weinstein, J.E. 2018. Identifying the fate and biological effects of tire wear particles in Charleston Harbor. Carolinas Regional Society of Environmental Toxicology and Chemistry. Durham, NC. April 25-27, 2018. (*First Place – Best Poster Presentation*).
24. \*Dekle, J.L., \*Leads, R.R., and Weinstein, J.E. 2018. Degradation of eco-friendly plastics in a salt marsh habitat: another source of microplastics in coastal waters. Carolinas Regional Society of Environmental Toxicology and Chemistry. Durham, NC. April 25-27, 2018.
25. \*Dekle, J.L., \*Leads, R.R., and Weinstein, J.E. 2017. Degradation of Biodegradable Plastics in a Salt Marsh Habitat. Southern Conference Undergraduate Research Forum. Spartanburg, SC. October 27-29, 2017.

26. \*Leads, R.R., Weinstein, J.E. 2017. Identifying sources of microplastic debris in Charleston Harbor, SC. Carolinas Regional Society of Environmental Toxicology and Chemistry. Charleston, SC. May 10-12, 2017. (*First Place – Best Platform Presentation*).
27. \*Schwendinger, E.M., Weinstein, J.E. 2016. Microplastic particles as contaminants in consumer products. Carolinas Regional Society of Environmental Toxicology and Chemistry. Wilmington, NC. May 12-14, 2016.
28. \*Leads, R.R., Weinstein, J.E. 2016. Microplastic debris in Charleston Harbor: Identifying point sources and assessing effects on grass shrimp (*Palaemonetes pugio*) immune function. Carolinas Regional Society of Environmental Toxicology and Chemistry. Wilmington, NC. May 12-14, 2016.
29. \*Gray, A.D., \*Holt, C., \*Mendez, D., \*Riegerix, R.R., Weinstein, J.E. 2016. Size and shape dependent effects of microplastic particles on daggerblade grass shrimp, *Palaemonetes pugio*. Carolinas Regional Society of Environmental Toxicology and Chemistry. Wilmington, NC. May 12-14, 2016. (*First Place – Best Platform Presentation*)
30. \*Crocker, B.K., Weinstein, J.E. 2015. Formation of microplastic particles from three common plastic polymers in a salt marsh habitat. Carolinas Regional Society of Environmental Toxicology and Chemistry. Raleigh, NC. March 12-14, 2015.
31. \*Holt, C.B., Weinstein, J.E. 2015. Comparative toxicity of mouthguard cleaning agents to the daggerblade grass shrimp, *Palaemonetes pugio*, and the freshwater cladoceran, *Daphnia magna*. Carolinas Regional Society of Environmental Toxicology and Chemistry. Raleigh, NC. March 12-14, 2015.
32. \*Williams, C.B., Weinstein, J.E., Rocha, C. 2014. Water quality and fecal coliform levels in Georgia oxbow lakes relative to connectivity with the Savannah River. Carolinas Regional Society of Environmental Toxicology and Chemistry. Clemson, SC. April 24-26, 2014. (*Second Place - Best Poster Presentation*)
33. \*Riegerix, R.C., Weinstein, J.E., Gray, A.D. 2014. Assessing the potential hazards of polyethylene microspheres on grass shrimp, *Palaemonetes pugio*. Carolinas Regional Society of Environmental Toxicology and Chemistry. Clemson, SC. April 24-26, 2014.
34. \*Wertz H., Weinstein, J.E. 2014. Plastic debris in Charleston Harbor: Quantitative analysis of polymer types. Carolinas Regional Society of Environmental Toxicology and Chemistry. Clemson, SC. April 24-26, 2014.
35. \*Gray, A.D., Weinstein, J.E. 2013. Does degradation alter the toxicity of green household products. Carolinas Society of Environmental Toxicology and Chemistry, Raleigh, NC. (*Second Place – Best Platform Presentation*)
36. \*Miller, J.A., Gray A.D., Weinstein, J.E. 2012. Does biodegradation alter the toxicity of "Green" household products to larvae of the grass shrimp, *Palaemonetes pugio*? Carolinas Society of Environmental Toxicology and Chemistry, Aiken, SC.
37. Abernathy, E., Cox, M., Marino, A., Lisenby, D. Tuberty, S., Weinstein, J.E. 2012. Assessment of PAH loads and stream fish and macroinvertebrate recovery following a coal tar resealant release in an Appalachian headwater stream. Carolinas Society of Environmental Toxicology and Chemistry, Aiken, SC.
38. \*Miller, J.A., \*Dillihay, E., \*Boyd, W., \*Weinstein, J.E. 2011. Are "Green" household products less toxic to estuarine organisms than conventional formulations? Carolinas Society of Environmental Toxicology and Chemistry, Boone, N.C. (*Third Place – Best Platform Presentation*)
39. Weinstein, J.E., Crawford, K.D., \*Garner, T.R. 2009. Identification of contaminants of concern in coastal South Carolina stormwater detention ponds. Carolinas Society of Environmental Toxicology and Chemistry, Annual Meeting, The Citadel.
40. Weinstein, J.E., Crawford, K.D., \*Garner, T.R. 2008. Chemical and biological contamination of coastal South Carolina stormwater detention ponds. First Biennial South Carolina Water Resources Conference, North Charleston, SC.

41. Weinstein J.E., Crawford K.D., \*Garner T.R. 2008. Chemical and biological contamination of coastal South Carolina stormwater detention ponds. South Carolina Department of Health and Environmental Control – Ocean and Coastal Resource Management, Charleston, SC.
42. \*Garner T.R., Weinstein J.E. 2008. Polycyclic aromatic hydrocarbon contamination in stormwater detention pond sediments of coastal South Carolina: Relationship to watershed land-use and drainage area. Carolinas Society of Environmental Toxicology and Chemistry, Annual Meeting, Morehead City, NC (*Second Place – Best Overall Presentation*).
43. \*Garner, T.R., Weinstein, J.E., Sanger, D.M. 2008. Uptake of polycyclic aromatic hydrocarbons in the estuarine oligochaete, *Monopylephorus rubruniveus*: Examination of bioaccumulation factors and response mechanisms. Southeastern Estuarine Research Society, Semi-annual Meeting, Charleston, SC.
44. \*Harper, H., Pennington, P., DeLorenzo, M., Key, P., Weinstein, J., Fulton, M. 2007. The effects of bifenthrin on grass shrimp, *Palaemonetes pugio* and sheepshead minnow, *Cyprinodon variegatus*. Carolinas Society of Environmental Toxicology and Chemistry, Annual Meeting, Athens, GA.
45. \*Garner, T.R., Weinstein, J.E., Sanger, D.M. 2007. PAH Contamination in South Carolina estuaries: potential transfer of carcinogens from the tidal creek to the dinner table. Carolinas Society of Environmental Toxicology and Chemistry, Annual Meeting, Athens, GA.
46. \*Garner, T.R., Weinstein, J.E. 2006. Survey of PAH contamination in South Carolina tidal creek sediments, tubificid worms, and shrimp: Potential for dietary transfer to humans. Southeastern Estuarine Research Society, Semi-annual Meeting. St. Augustine, FL (*Best Undergraduate Presentation Winner*).
47. \*Flemming, A., Lewitus, A., Weinstein, J.E., Hurley, P. Levine, N. 2006. PAHs in stormwater retention ponds on Kiawah Island: From street to pipe to pond. Southeastern Estuarine Research Society, Semi-annual Meeting. St. Augustine, FL.
48. Weinstein J.E., Diamond, S.A. 2005. Penetration of UV-A into tidal creek habitats: Relevance to the assessment of PAH phototoxicity in estuarine systems. Southeastern Estuarine Research Society, Semi-annual Meeting. Charleston, SC.
49. \*Phillips, A.K., Weinstein, J.E. 2004. Phototoxicity of sediment-associated fluoranthene to the larval grass shrimp, *Palaemonetes pugio*. South Carolina Academy of Science. 2004 Annual Meeting, Charleston, S.C.
50. \*DeLoach, D.M., Weinstein, J.E. 2004. Comparison of the toxic effects of the organophosphate dichlorvos on grass shrimp (*Palaemonetes pugio*) and hard clams (*Mercenaria mercenaria*). South Carolina Academy of Science. 2004 Annual Meeting, Charleston, S.C.
51. \*Filipowicz, A., Weinstein, J.E., Sanger, D.M. 2004. Bioaccumulation of a PAH in an estuarine oligochaete: Potential for trophic transfer. Southeastern Estuarine Research Society, Semi-annual Meeting, Ft. Pierce, FL.
52. Weinstein, J.E., Sanger, D.M., Holland, A.F. 2003. Toxicity of PAH to the estuarine oligochaete *Monopylephorus rubroniveus*: A “tail” of two tolerances. Carolinas SETAC Annual Meeting, Charleston, SC.
53. Weinstein, J.E. 2000. Characterization of the phototoxic potential of fluoranthene to glochidia of the freshwater mussel, *Utterbackia imbecillis*. Texas Academy of Science 103<sup>rd</sup> Annual Meeting. Kingsville, TX.
54. Weinstein, J.E., Oris, J.T. 1999. Humic acids reduce the bioaccumulation and phototoxicity of PAH in fish. Texas Academy of Science 102<sup>nd</sup> Annual Meeting. Sequin, TX.
55. Weinstein, J.E. 1995. Histopathology in *Crassostrea virginica* as an indicator of stress in urbanized estuaries. Southeastern Estuarine Research Society, Marineland, FL.
56. Weinstein, J.E. 1994. Seasonal responses of the mixed-function oxygenase (MFO) system in oysters, *Crassostrea virginica*, to urban-derived polycyclic aromatic hydrocarbons. Southeastern Estuarine Research Society, Semi-annual Meeting, Wilmington, NC.

57. Weinstein, J.E., West T.L., Bray J.T. 1991. Metal content of healthy and diseased blue crabs, *Callinectes sapidus*, from the Albemarle-Pamlico Estuarine System. NC Society of Toxicologists. Annual Meeting, Raleigh, NC.

### **3- Local organizations**

1. \*Ertel, B.M., Weinstein, J.E. 2021. Plastic pollution, PPE, and the pandemic. Citadel Student Excellence Day. April 12, 2021.
2. \*Dekle, J.L., \*Leads, R.R., and Weinstein, J.E. 2018. Degradation of eco-friendly plastics in a salt marsh habitat: Another source of microplastics in coastal waters. Citadel Student Excellence Day. March 23, 2018.
3. \*Schwendinger, E.M., Weinstein, J.E. 2016. Microplastic particles as contaminants in consumer products. Citadel Student Research Conference. March 12, 2016.
4. \*Crocker, B.K., Weinstein, J.E. 2015. Formation of microplastic particles from three common plastic polymers in a salt marsh habitat. Citadel Student Research Conference. March 13, 2015.
5. \*Holt C.B., Weinstein, J.E. 2015. Comparative toxicity of mouthguard cleaning agents to the daggerblade grass shrimp, *Palaemonetes pugio*, and the freshwater cladoceran, *Daphnia magna*. Citadel Student Research Conference. March 13, 2015.
6. \*Gray A.D., Weinstein J.E. 2014. Characterizing the sensitivity of *Daphnia magna* to green home and personal care products: Linking product formulation to hazard. Society of Environmental Toxicology and Chemistry. Citadel Student Research Conference. (*First Place Winner*)
7. \*Gray, A.D., Weinstein, J.E. 2013. Toxicity of green household products to the freshwater cladoceran, *Daphnia magna*. Citadel Undergraduate Research Conference (*Third Place Winner*).
8. \*Garner, T.R. and Weinstein, J.E. 2006. Survey of PAH contamination in South Carolina tidal creek sediments, tubificid worms, and shrimp: Potential for dietary transfer to humans. Fifth Annual Citadel Undergraduate Research Conference (*First Place Winner*).
9. \*Roberts, E.B. and Weinstein, J.E. 2006. Effect of piperonyl butoxide on the phototoxicity of fluoranthene in larval grass shrimp, *Palaemonetes pugio*. Fifth Annual Citadel Undergraduate Research Conference.
10. \*Phillips, A.K. and Weinstein, J.E. 2004. Development of a 7-day static renewal sediment toxicity test for the larval grass shrimp, *Palaemonetes pugio*: Laboratory and field validation. Third Annual Citadel Undergraduate Research Conference.
11. \*DeLoach, D.M. and Weinstein, J.E. 2004. Comparison of the toxic effects of the organophosphate dichlorvos on grass shrimp (*Palaemonetes pugio*) and hard clams (*Mercenaria mercenaria*). Third Annual Citadel Undergraduate Research Conference.
12. Weinstein, J.E. 2002. Using a general models approach to teach physiology. Charleston Connections Conference. Innovations in Higher Education. May, 2002. Charleston, SC.

### **By Invitation**

#### **1- National/International organizations**

1. Weinstein, J.E. 2024. Microplastics in coastal South Carolina: overview of academic research and priorities. Microplastics in the Coastal Region Conference. Charleston, SC. April 9, 2024. (Keynote Address)
2. Weinstein, J.E., \*Ertel, B.M., Lacroix, C., Andre, S. 2022. Application of OSPAR litter assessment guidelines to U.S. Southeast Atlantic coast beaches: enhancing comparability to French datasets. International Summit on Plastic Pollution, Long Island University, April 5, 2022.
3. Weinstein, J.E. 2021. Microplastic pollution along the South Carolina coast: Linking sources, pathways, and human dietary seafood exposure. North-East Regional IDEa Conference. Virtual conference hosted by the University of Rhode Island. Aug 18, 2021.
4. \*Ertel, B.M. and Weinstein, J.E. 2021. Marine plastic litter and the pandemic: Trends in PPE prevalence and volunteer clean-up efforts. North-East Regional IDEa Conference. Virtual conference hosted by the University of Rhode Island. Aug 18, 2021.

5. Weinstein, J.E. 2019. Microplastic research in Charleston Harbor, SC. Presentation to the Parliamentary Office of Scientific and Technological Assessment (OPECST). Paris, France. Dec. 11, 2019.
6. Weinstein, J.E. 2019. When the rubber meets the road...lessons learned from microplastic research in Charleston Harbor, SC. French-American Workshop: Responding to Plastic Pollution through Science: From Research to Action. Le Mans, France, December 12–13, 2019.
7. Weinstein, J.E. 2018. Microplastics in coastal waterways: Implications for environmental and public health. OCEANS Conference and Exposition. October 25, 2018. Charleston, SC.
8. Weinstein, J.E. 2008. Natural stressors and their influence on PAH phototoxicity in estuarine habitats: Lessons from shrimp and worms. Society of Environmental Toxicology and Chemistry. 29<sup>th</sup> Annual Meeting. Tampa, FL.
9. Weinstein, J.E., \*Bolton-Warberg, M., Coen, L.D. 2007. Effects of the organophosphate dichlorvos on the daggerblade grass shrimp (*Palaemonetes pugio*) and the eastern oyster (*Crassostrea virginica*). Society of Environmental Toxicology and Chemistry. 28<sup>th</sup> Annual Meeting. Milwaukee, WI.

## **2- Regional/Local organizations/Seminars**

1. Weinstein, J.E. 2022. Plastic Degradation in Our Coastal Waters. SC Aquarium Virtual Workshop: The Road to Plastic-Free Waters. Feb. 23, 2022.
2. Weinstein, J.E. 2022. Plastic Pollution: The Global Problem in Our Backyard. College of Charleston Center for Creative Retirement. Feb. 14, 2022.
3. Weinstein J.E. 2020. Seminar: Microplastics in Charleston Harbor: sources, fate, and toxicity.
  - Winthrop University, Rock Hill, SC. Oct. 21, 2020.
4. Weinstein, J.E. 2019. Microplastics in Charleston Harbor: Scope of the Problem. South Carolina Aquarium, Holland Lifelong Learning Series. Nov. 21, 2019.
5. Weinstein, J.E. 2018. Sources of microplastics in Charleston Harbor sediments: An overview. Ashley Cooper Stormwater Education Consortium. November 30, 2018. Charleston, SC.
6. Weinstein J.E. 2018-19. Seminar: On the origin of microplastics by means of natural degradation.
  - University of South Carolina – Beaufort, SC. April 12, 2019.
  - University of North Carolina – Greensboro, NC. April 4, 2018.
  - Fort Johnson Marine Science Center Seminar Series. Charleston, SC. March 16, 2018.
7. Weinstein J.E. 2015-17. Seminar: Microplastic debris in coastal South Carolina: sources, fate, and toxicity.
  - University of North Texas, Denton, TX. April 7, 2017
  - Lowcountry Senior Center, Charleston, SC. March 14, 2016.
  - Robert Lunz Group, Sierra Club, Charleston, SC. March 2, 2016.
  - Master Naturalist, Fourth State Conference. Seabrook Island, SC. Oct. 10, 2015.
  - Clemson University – Institute of Environmental Toxicology. Pendleton, SC, Sept. 28, 2015.
  - Fort Johnson Marine Science Center Seminar Series. Charleston, SC. Feb. 6, 2015.
8. Weinstein, J.E. 2014. Contamination and disposal issues of stormwater detention pond sediments. Charleston Area Stormwater Pond Management Conference. Sponsored by Clemson Cooperative Extension Service. Trident Technical College, North Charleston, SC.
9. Weinstein, J.E. 2012. Sediment contamination in coastal stormwater detention ponds. Charleston Area Stormwater Pond Management Conference. Sponsored by Clemson Cooperative Extension Service. Trident Technical College, North Charleston, SC.
10. Weinstein, J.E. 2012. Quality of pond sediments. Grand Strand Stormwater Pond Management Conference, Myrtle Beach, SC.
11. Weinstein, J.E. 2011. Sediment contamination in coastal stormwater detention ponds. Charleston Area Stormwater Pond Management Conference. Sponsored by Clemson Cooperative Extension Service. North Charleston City Hall.

12. Weinstein, J.E. 2010. Stormwater detention ponds: Property amenities or hazardous waste sites? USC-Aiken Biology and Geology Department Seminar Series.
13. Weinstein, J.E. 2009. Stormwater detention ponds: Residential amenities or hazardous waste sites? Sigma Xi Brown Bag Lunch Seminar, The Citadel.
14. Weinstein, J.E. 2005. Overview of the Classroom Performance System. CASTLE. The Citadel. Charleston, SC.
15. Weinstein, J.E. 2004. Ultraviolet, ultratoxic: hydrocarbons, sunlight and toxicity in South Carolina tidal creeks. Fort Johnson Marine Science Seminar Series. Charleston, SC.
16. Weinstein, J.E. 2002. Laboratory report makeover: communicating expectations to students. Communication Across the Curriculum (CAC) Luncheon. The Citadel. Charleston, SC.
17. Weinstein, J.E. 2001. Ecotoxicology of photoactivated polycyclic aromatic hydrocarbons. Fort Johnson Marine Science Seminar Series. Charleston, SC.
18. Weinstein, J.E. 2001. Teach it once, apply it 40X. Synopsis of General Models Approach to Teaching Physiology. CASTLE. The Citadel. Charleston, SC.
19. Weinstein, J.E. 1999. Ecotoxicology of phototoxic polycyclic aromatic hydrocarbon. Sigma Xi, Texas A&M University-Commerce Chapter, Commerce, TX.
20. Weinstein, J.E. and Harper, J. 1999. Getting PowerPoint on the web. Technologies in Support of Classes (sponsored by the Texas A&M University-Commerce Teaching, Learning, and Technology Round Table and the Faculty Development Committee), Commerce TX.

## GRANTS:

### A- Pending Grants (under review)

None

### B- Current Grants

1. NSF Instrumentation Grant. MRI: Track 1 Acquisition of a Raman Spectroscopy System to Enhance Microplastic Screening in Environmental and Biological Samples. \$311,139. Co-PI Weinstein. May 2024 – May 2027.

### C- Previous External Grants - Awarded

1. NIEHS – Oceans and Human Health. Interactions of Climate Change on Oceans and Human Health: Assessment of Risks Associated with Climate Change on Infectious Diseases, Harmful Algal Blooms, and Contaminants of Emerging Concern. \$195,685 subaward to The Citadel (PI – J.E. Weinstein). Oct 1, 2018 – May 31, 2023 (no cost extension to Dec 2024).
2. NIEHS – R15. Investigating Trophic Exposure to Marine Microplastics and Plasticizers in a Sentinel Species and the Implications for Seafood. PI – L. Hart (College of Charleston); Collaborators – R. Wells (Mote Marine Laboratory), J. Weinstein (The Citadel), L. Schwacke (National Marine Mammal Foundation), and E. Wirth (NOAA). \$14,372 subaward to The Citadel. June 15, 2022-June 15, 2025.
3. Lt Col James B Near Jr., USAF, '77 Center for Climate Studies. Assessing Environmental Exposure and Temperature-Related Effects of Floodwater-Associated Tire Wear Particles to Daggerblade Grass Shrimp, *Palaemon pugio*. \$10,156. Nov 15, 2022 - May 31, 2024.
4. Global Council on Science and the Environment. Application of OSPAR Litter Assessment Guidelines to Southeastern U.S. Beaches: Enhancing Comparability to French Databases. PIs – J. Weinstein (Citadel) and Camille Lacroix (CEDRE, France). \$12,500. Jul 1, 2021 – Dec 31, 2021.
5. S.C. Sea Grant Consortium. Occurrence and Degradation of Pandemic-Related PPE in Charleston Harbor. PI – J.E. Weinstein (Citadel) \$9,582. Sep 1, 2021 – Aug 31, 2022.
6. S.C. Sea Grant Consortium. Urban Stormwater Runoff as a Source of Microplastic and Tire Wear Particles in Coastal Waterways: Transport, Cumulative Impacts to Biota, and Mitigation. PIs – P. van

- den Hurk (Clemson), J.E. Weinstein (Citadel), and B. Beckingham (College of Charleston). \$170,058 (\$54,726 subcontract to The Citadel). Feb. 1, 2020 – Jan 31, 2022.
7. Samuel Freeman Charitable Trust. Microplastic research – Raman microscope upgrade. \$42,880. Nov. 1, 2019-Oct. 31, 2020.
  8. S.C. Sea Grant Consortium. Microplastic Contamination in Coastal South Carolina: Sources, Trophic Transfer, and Abundance in Biota. PIs – S.J. Klaine (Clemson) and J.E. Weinstein. \$159,813 (\$66,546 subcontract to The Citadel). Feb. 1, 2016 – July 31, 2018.
  9. S.C. Sea Grant Consortium. Educational Poster: Microplastics in Estuaries. PI – J.E. Weinstein. \$2,500. June 1, 2016 – Nov. 30, 2016.
  10. S.C. Sea Grant Consortium. Particle Contamination: Direct Effects on Salt Marsh-Tidal Creek Organisms and Indirect Effects on the Bioavailability and Toxicity of Polynuclear Aromatic Hydrocarbons (PAHs). PIs – S.J. Klaine (Clemson) and J.E. Weinstein. \$94,051 (\$46,124 subcontract to The Citadel). Feb. 1, 2014 – Jan. 31, 2016.
  11. S.C. Sea Grant Consortium. Marine Plastic Debris: Assessing the Hazards to Larval Oysters and Grass Shrimp. PI – J.E. Weinstein. \$9,792. May 1, 2013-April 30, 2014.
  12. BP/Florida Oceanographic Institute. The *Deepwater Horizon* Oil Spill: Assessing Impacts on a Critical Habitat, Oyster Reefs, and Associated Species in Florida Gulf Estuaries. Subcontract through Florida Atlantic University, \$20,706. Sept. 1, 2010-August 31, 2012.
  13. S.C. Sea Grant Consortium. Contamination of Coastal Stormwater Pond Sediments: Potential Risk to Wildlife and Human Health. PI- J.E. Weinstein and K.D. Crawford. \$59,896. May 15, 2007-June 30, 2008.
  14. S.C. Sea Grant Consortium. Tidal Creek Water Quality, Freshwater Inflow, Materials Loading and Benthic Community Studies for the SC-GA LU-CES Program – Year 4. PI- J.E. Weinstein. \$13,820. July 1, 2004-June 30, 2005.
  15. S.C. Sea Grant Consortium. Impact of Mosquito Control Agents on Grass Shrimp, *Palaemonetes* spp., and Hard Clams, *Mercenaria mercenaria*: Preliminary Laboratory Assessment. PIs-J.E. Weinstein, L.D. Coen, A.H. Ringwood. \$10,000. March 1, 2002 – Feb. 28, 2003.

#### **D- Citadel Foundation Research Grants/Other Internal Research Grants - Awarded**

1. Lt Col James B Near Jr., USAF, '77 Center for Climate Studies. Assessing the Role of Nuisance Flooding in Transporting Street-Associated Microplastic and Tire Wear Particle into Adjacent Tidal-Creek Salt Marsh Systems. \$11,872. Oct. 15, 2020 - May 15, 2022.
2. Lt Col James B Near Jr., USAF, '77 Center for Climate Studies. Encroaching Tides and Extreme Rainfall: Charleston-area Floodwater as a Source of Microplastic and Tire Wear Particles in our Coastal Waterways. \$10,753. Nov. 1, 2019-May 1, 2021.
3. The Citadel Foundation. Faculty Research Grant. Tire Wear Particles in Stormwater Ponds: Identifying Pathways from Roads to Coastal Waterways. \$2,819. PI – John Weinstein. July 1, 2018-June 30, 2019.
4. The Citadel Foundation. Faculty Research Grant. Polyamide Microplastic Fragment Contamination in Charleston Harbor: Source Identification and Hazard Assessment. \$2,932. PI – John Weinstein. July 1, 2014-June 30, 2015.
5. The Citadel Foundation. Faculty Research Grant. Does Ingestion of Microplastic Particles Serve as a Mechanism for the Transfer of Polycyclic Aromatic Hydrocarbons to the Tissues of the Daggerblade Grass Shrimp, *Palaemonetes pugio*? \$2,957. PI – John Weinstein. July 1, 2013-June 30, 2014.
6. The Citadel Foundation. Faculty Research Grant. Chronic toxicity of the pyrethroid synergist piperonyl butoxide to larvae of the grass shrimp, *Palaemonetes pugio*. \$2,957. PI – John Weinstein. July 1, 2012-June 30, 2013.
7. The Citadel Foundation. Faculty Research Grant. Are Green Product Formulations Less Toxic Than Conventional Formulations? \$2,934. PI – John Weinstein. July 1, 2011-June 30, 2012.

8. The Citadel Foundation. Faculty Research Grant. Bioavailability of Sediment Associated Polycyclic Aromatic Hydrocarbons in Stormwater Detention Ponds. \$ 2,100. PI – John Weinstein. July 1, 2010-June 30, 2011.
9. The Citadel Foundation. Faculty Research Grant. Does Resistance to the Organophosphate Malathion in Grass Shrimp (*Palaemonetes pugio*) Confer Cross-Resistance to Other Common Environmental Contaminants? \$ 2,608. PI – John Weinstein. July 1, 2009-June 30, 2010.
10. The Citadel Foundation. Faculty Research Grant. Characterization of the Uptake and Depuration Kinetics of Combined Polycyclic Aromatic Hydrocarbon of Piperonyl Butoxide Exposures in Grass Shrimp Larvae \$ 2,557. PI – John Weinstein. July 1, 2008-June 30, 2009.
11. The Citadel Foundation. Sabbatical Supplement Grant. Pesticide Resistance in Grass Shrimp (*Palaemonetes pugio*): Field Studies. \$2,972. PI – John Weinstein. July 1, 2007-June 30, 2008.
12. The Citadel Foundation. Faculty Research Grant. Pesticide Resistance in Grass Shrimp (*Palaemonetes pugio*): Laboratory Studies. \$2,936. PI – John Weinstein. July 1, 2007-June 30, 2008.
13. The Citadel Foundation. Faculty Research Grant. Influence of Piperonyl Butoxide on the Bioaccumulation and Phototoxicity of Fluoranthene and Benzo(a)pyrene to Larval Grass Shrimp, *Palaemonetes pugio*. \$2,892. PI – John Weinstein. July 1, 2006-June 30, 2007.
14. The Citadel Foundation. Faculty Research Grant. Influence of Mycosporine-like Amino Acids on the Phototoxicity of PAH to Larval Grass Shrimp, *Palaemonetes pugio* \$2,887. PI – John Weinstein. July 1, 2005-June 30, 2006.
15. The Citadel Foundation. Faculty Research Grant. Uptake and Depuration of Polycyclic Aromatic Hydrocarbon from Sediment by the Estuarine Oligochaete Worm, *Monopylephorus rubroniveus*. \$2,670. PI – John Weinstein. July 1, 2004-June 30, 2005.
16. The Citadel Foundation. Faculty Research Grant. Toxicological Assessment of Charleston Stormwater Runoff to Larvae of the Grass Shrimp, *Palaemonetes pugio*. \$2,940. PI – John Weinstein. July 1, 2003-June 30, 2004.
17. The Citadel Foundation. Faculty Research Grant. Phototoxicity of Mosquito Control Agents on Grass shrimp, *Palaemonetes* spp., and Hard Clams, *Mercenaria mercenaria*. \$2,730. PI – John Weinstein. July 1, 2002-June 30, 2003.
18. The Citadel Foundation. Faculty Research Grant. Effect of Salinity Variation on the Photoactivated Toxicity of Fluoranthene to the Larvae of the Tidewater Silverside, *Menidia beryllina*, the Oyster, *Crassostrea virginica*. \$2,900. PI – John Weinstein. July 1, 2001-June 30, 2002.
19. The Citadel Foundation. Faculty Research Grant. “Effect of Ultraviolet Light on Fluoranthene Toxicity in Oyster Early Life Stages”. \$1,500. PI – John Weinstein. July 1, 2000-June 30, 2001.

#### **E- Citadel Foundation Presentation or Development Grants - Awarded**

1. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry. Portland, OR. Nov. 16-20, 2025. \$2,571.94.
2. The Citadel Foundation. Presentation of Research Proposal. Travel to Carolinas Society of Environmental Toxicology and Chemistry Meeting. Boone, NC. April 14-16, 2024. \$648.14.
3. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry-Europe. Dublin, Ireland. April 30-May 4, 2023. \$2,000.
4. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry-Europe. Copenhagen, Denmark. May 15-19, 2022. \$2,000.
5. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry-Europe, Dublin, Ireland. May 2-6, 2020. \$2,000.
6. The Citadel Foundation. Faculty Development Grant. Attendance at the Annual Human Anatomy & Physiology Society Conference. Portland, OR. May 22-26, 2019. \$1714.25.
7. The Citadel Foundation. Faculty Research Grant. Microplastic Formation from Plastic Debris in Estuarine Environments. Travel to Society of Environmental Toxicology and Chemistry 36<sup>th</sup> Annual Meeting, Salt Lake City, UT for Platform Presentation. Nov. 1-5, 2015. \$1778.34

8. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 35<sup>th</sup> Annual Meeting, Vancouver, BC for Platform Presentation. Nov. 17-21, 2013. \$1,541.
9. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 34<sup>th</sup> Annual Meeting, Nashville, TN for Poster Presentation of Graduate Student. Nov. 17-21, 2013. \$1,541.
10. The Citadel Foundation. Faculty Development Grant. Attendance at the 27<sup>th</sup> Annual Human Anatomy & Physiology Society Conference in Las Vegas, NV. May 25-30, 2013. \$1,690.
11. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry - Europe 23<sup>rd</sup> Annual Meeting, Glasgow, Scotland for Platform Presentation. May 12-16, 2013. \$2,500.
12. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 32<sup>nd</sup> Annual Meeting, Boston, MA for Platform Presentation of Graduate Student. Nov. 13-17, 2011. \$1,795.
13. The Citadel Foundation. Faculty Development Grant. Attendance at the 25<sup>th</sup> Annual Human Anatomy & Physiology Society Conference in Victoria, BC. May 26-31, 2007. \$1,803.
14. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 31<sup>st</sup> Annual Meeting, Portland, OR for Platform Presentation. Nov. 7-11, 2010. \$1,821.
15. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 30<sup>th</sup> Annual Meeting, New Orleans for Platform Presentation. Nov. 17-23, 2009. \$1,859.
16. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 29<sup>th</sup> Annual Meeting, Tampa, FL for Invited Platform Presentation. Nov. 16-20, 2008. \$1,329.
17. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 28<sup>th</sup> Annual Meeting, Milwaukee, WI for Invited Platform Presentation. Nov. 11-17, 2007. \$1,475.
18. The Citadel Foundation. Faculty Development Grant. Attendance at the 22<sup>nd</sup> Annual Human Anatomy & Physiology Society Conference in New Orleans, LA. May 24-29, 2008. \$1,259.
19. The Citadel Foundation. Faculty Development Grant. Attendance at the 21<sup>st</sup> Annual Human Anatomy & Physiology Society Conference in San Diego, CA. May 26-31, 2007. \$1,061.
20. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 27<sup>th</sup> Annual Meeting, Montreal, Quebec for Poster Presentation. Nov. 5-9, 2006. \$1,579.
21. The Citadel Foundation. Presentation of Research Proposal. Travel to Southeastern Estuarine Research Society Spring Meeting, Ponte Vedra Beach/St. Augustine, FL. March 30-April 1, 2006. \$430.
22. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 26<sup>th</sup> Annual Meeting, Baltimore, MD for Poster Presentation. Nov. 13-17, 2005. \$1,609.
23. The Citadel Foundation. Presentation of Research Grant. Travel to Society of Environmental Toxicology and Chemistry 25<sup>th</sup> Annual Meeting, Portland OR, for Platform Presentation. Nov. 14-18, 2004. \$1,676.
24. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 24<sup>th</sup> Annual Meeting, Austin, TX for Poster Presentation. Nov. 9-13, 2003. \$1,758.
25. The Citadel Foundation. Faculty Development Grant. "The Nuts and Bolts of Classroom Management: How to Teach Like a Pro (NSF Short Courses for College Teachers)". July 17-19, 2003. \$974.

26. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 23<sup>rd</sup> Annual Meeting, Salt Lake City, UT for Platform Presentation. Nov. 16-20, 2002. \$1,275.
27. The Citadel Foundation. Faculty Development Grant. “Physiology for Physiology and Biology Teachers (NSF Short Courses for College Teachers)”. July 16-18, 2001. \$1,154.
28. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 22<sup>nd</sup> Annual Meeting, Baltimore, MD for Poster Presentation. Nov. 11-15, 2001. \$898.
29. The Citadel Foundation. Presentation of Research Proposal. Travel to Society of Environmental Toxicology and Chemistry 21<sup>st</sup> Annual Meeting, Nashville, TN for Platform Presentation. Nov. 12-16, 2000. \$707.

## **WORKSHOPS AND PROFESSIONAL DEVELOPMENT ACTIVITIES:**

### **A- Workshops attended for professional development.**

1. Service Review Academy (Assessment). Virtual. June-July, 2025.
2. Federal Grants Forum. Thompson Grants. New Orleans, LA. Dec. 3-4, 2024.
3. Level I: Fundamentals of Sponsored Project Administration Workshop. National Council of University Research Administrators (NCURA). Las Vegas, NV. June 24-26, 2024.
4. Southeastern Regional PULSE (SERP) III Institute. Virtual Conference. May 24-27, 2021.
5. Association of American Colleges and Universities, General Education and Assessment Meeting, Jacksonville, FL. Feb. 20-22, 2020.
6. Human Anatomy & Physiology Society 33<sup>rd</sup> Annual Conference. Portland, OR. May 22-26, 2019.
7. Association of American Colleges and Universities, General Education and Assessment Meeting, San Francisco, CA. Feb. 14-17, 2019.
8. American Conference of Academic Deans, Deans’ Institute. Held in conjunction with the Annual Meeting of the Association of American Colleges and Universities, Atlanta, GA. Jan. 23-26, 2019.
9. CASE Development for Deans and Academic Leaders, Oct. 12-13, 2017, Scottsdale, AZ.
10. Academic Chairpersons Conference, Feb. 8-10, 2017. New Orleans, LA.
11. Institute on General Education and Assessment. Association of American Colleges & Universities. Boston University, Boston, MA. June 4-8, 2016.
12. Academic Chairpersons Conference, Feb. 3-5, 2016. Charleston, SC.
13. Human Anatomy & Physiology Society 27<sup>th</sup> Annual Conference. Las Vegas, NV. May 25-30, 2013.
14. Human Anatomy & Physiology Society 25<sup>th</sup> Annual Conference. Victoria, BC. May 28-June 2, 2011.
15. National Association of Advisors for the Health Professions Meeting. Atlanta, GA. June 16-20, 2010.
16. National Association of Advisors for the Health Professions Meeting. Chicago, IL. June 25-29, 2008.
17. Human Anatomy & Physiology Society 22<sup>nd</sup> Annual Conference. New Orleans, LA. May 24-29, 2008.
18. Human Anatomy & Physiology Society 21<sup>st</sup> Annual Conference. San Diego, CA. May 26-31, 2007.
19. National Association of Advisors for the Health Professions Meeting. Portland, OR. June 25-29, 2006.
20. National Association of Advisors for the Health Professions Meeting. Washington, D.C. June 28-July 2, 2004.
21. Physiology Teaching Conference. University of South Carolina School of Medicine. Columbia, SC. Oct. 18, 2002.
22. Physiology Teaching Conference. University of South Carolina School of Medicine, Columbia, SC. Oct. 17, 2001.
23. 20<sup>th</sup> Annual Wildacres Retreat, “Assessing Writing: From the Inside Out”, Sponsored by the University Writing Programs with the Blumenthal Foundation, University of North Carolina-Charlotte. May 14-17, 2001.

### **B- Advanced courses or other off-campus professional development activities**

1. The Nuts and Bolts of Classroom Management: How to Teach Like a Pro. Facilitated by Dr. Delany Kirk. NSF Short Courses for College Teachers. University of Washington. Seattle, WA. July 17-19, 2003.
2. Physiology for Physiology and Biology Teachers. Facilitated by Drs. Harold Modell and Mary Pat Wenderoth. NSF Short Courses for College Teachers. University of Washington. Seattle, WA. July 16-18, 2001.

### **C- Participation in on-campus professional development activities**

1. Service Review Academy for Assessment. Facilitated by Dr. Karin Roof, June-July 2025.
2. National Coalition Building Institute, Welcoming Diversity Workshop. Facilitated by Dr. Julie Lipovsky. July 22, 2015.
3. Department Head Workshop. Facilitated by Dr. Goldie Byrd. The Citadel. Feb. 7, 2014.
4. Council on Undergraduate Research (CUR) Workshop. Facilitated by Dr. Herb Childress and Anne Boettcher. The Citadel. Nov. 22, 2013.
5. Fostering Critical Thinking and Mature Valuing across the Curriculum. Facilitated by Dr. Craig E. Nelson. Sponsored by CAC and CASTLE. The Citadel. January 2004.
6. Third Annual Lowcountry Conference on Teaching and Learning in Higher Education. The Citadel. May 30, 2003.
7. Second Annual Charleston Connections: Innovations in Higher Education Conference. The Citadel. May 31, 2002.
8. First Annual Charleston Connections: Innovations in Higher Education Conference. Sponsored by CASTLE. The Citadel. June 1-2, 2001.

### **SERVICE:**

The Citadel

#### **Service to the College**

##### **A- Standing college-wide committees**

2016, 2021	Faculty Senate
2016	Graduate Curriculum Committee
2011-2015	Academic Board
2011-2015	Graduate Council
2008 –2011	Faculty Tenure and Promotion Committee
2005-2006, 2009-2011	Sabbaticals Committee
2006-2007	Faculty Development Committee
2004-2005	Curriculum Committee
2001-2004	Scholarship Committee
2001-2002	Undergraduate Admissions Committee

##### **B- College-wide *ad hoc* committees or task forces**

2025-present	Student Evaluation of Teaching ad hoc committee
2020	Committee for Operationalizing Fall Semester (COVID-19)
2020-present	Executive Committee, Lt Col James B Near Jr., USAF, '77 Center for Climate Studies
2019-2021	Executive Committee, Center for Performance, Readiness, Resiliency, and Recovery
2018-2020	Continuity in Instruction/COVID-19 COI Task Force (Spring 2020)
2016-2021	General Education Review Committee
2001-2021	Pre-Health Professions Committee ( <i>Chair, 2004-2011</i> )
2004-2006, 2010-2012	Search Committee – Dean of the School of Science and Mathematics

### **Service to the School and/or Department**

#### **A- Departmental/school standing committees/programs**

2016-present Citadel Academy of Science and Mathematics – Awards Committee  
2006-2011 Probationary review, promotion and tenure committee (*Chair, 2008-2011*)  
2000-2001 Facilities and equipment committee

#### **B- Other School or Departmental service**

2005-2011 Faculty Mentor (Dr. John Zardus and Dr. Paul Nolan)  
2002-2003 Biology Department Webmaster

### **Service to the Students**

#### **A- Summary of student advising responsibilities**

2011-2016 M.A. in Biology advisor (I advised between 10-15 graduate students per year)  
2004-2007, 2008-2011 Pre-Health Professions Advisor (I advised between 20-35 cadets per year regarding Medical School, Dental School, and a variety of other Health Professions Schools)  
2000-2006, 2008-present Biology Major Advisor (I advised between 10-15 Biology majors/year)

#### **B- Faculty Advisor roles for clubs, companies, or other student groups**

2009-2011 Pre-Health Society Faculty Advisor  
2001-2004 Bio-Cid/Tri-Beta (Biology Club) Faculty Advisor

#### **C- Other service to students**

2001-2003 Participated in the Fourth Class Sponsor Program for 4 freshman cadets

### **Service to the Community or Public**

2023-2024 South Carolina Sea Grant Consortium - Steering Committee, Microplastics Conference  
2014-2016 South Carolina Sea Grant Consortium – Working Group on Nanomaterials and Microplastics  
2013, 2018 South Carolina Sea Grant Consortium – Working Group on Stormwater Ponds  
2010 Co-mentor, Minorities in Marine and Environmental Sciences Program (William Boyd, Benedict College)  
2010 Co-mentor, Academic Magnet High School Science Project (Winslow DiBona)  
2006-present Mentor in the MUSC Teaching Intern Program  
2003-2004 Science Judge, National Ocean Science Bowl, SC-GA Regional Competition  
2001-2002 Charleston County Science Partner, Project Inquiry (NSF Curriculum in a Box Program), Charleston County School District

### **Service to the Discipline**

#### **A- Offices in local, state regional, or national organizations**

2025 SETAC Café – served on panel “Giving Award Winning Presentations (Oct 28, 2025)  
2008-2009 President, Carolinas SETAC (Society of Environmental Toxicology and Chemistry)  
2007- 2008 Vice President, Carolinas SETAC  
2006- 2010; 2014-2025 Board of Directors, Carolinas SETAC

#### **B- Committee work in local, state regional, national, and international organizations**

2025-2026 Member, Steering Committee for NSF-funded workshop “Workshop on Bridging the Gaps: Tackling Microplastics and Nanoplastics Challenges in Coastal Ecosystems”

2025	Panelist, SoCon Academic Exchange Leadership Program (Transitioning from faculty member to administrator), Wofford College (Oct 25, 2025)
2023	Panelist, SoCon Academic Exchange Leadership Program (Transitioning from faculty member to administrator), Wofford College (Oct 12, 2023)
2019-2022	French-American Scientific Working Group on Plastic Problems and Solutions (sponsored by the Global Council for Science and the Environment)
2008-2009	Chemistry Steering Committee, Society of Environmental Toxicology and Chemistry
2006-2009	Regional Chapters Committee, Society of Environmental Toxicology and Chemistry
2005-2009	Membership Committee, Society of Environmental Toxicology and Chemistry

### **C- Service in editorial reviewing for conferences or publications**

I've served as a reviewer for manuscripts submitted to the following journals:

*Science of the Total Environment*  
*Chemosphere*  
*Soil and Sediment Contamination*  
*Environmental Science & Technology*  
*Environmental Monitoring and Assessment*  
*Environmental Toxicology and Chemistry*  
*Ecotoxicology and Environmental Safety*  
*Marine Pollution Bulletin*  
*Photochemistry and Photobiology*  
*Comparative Biochemistry and Physiology*  
*Journal of Experimental Marine Biology and Ecology*  
*Archives of Environmental Contamination and Toxicology*

I've served as a reviewer for proposals submitted to the following agencies:

Woods Hole Oceanographic Institute Sea Grant  
Fondation Rovaltain Science & Equilibre (France)  
New York Sea Grant  
California State University System  
Connecticut Sea Grant  
National Science Foundation Grants  
United States Environmental Protection Agency  
Chilean Research Fund Council (FONDECYT)  
International Foundation for Science  
Rhode Island Sea Grant  
Indiana/Illinois Sea Grant  
United States Geological Survey Competitive Grants  
National Estuarine Research Reserve Graduate Research Fellowships  
Hudson River Foundation

### **Service at Other Institutions**

#### **University of South Carolina**

2025- Graduate research committee for DeMarcus Turner (Ph.D. student)

#### **College of Charleston**

2025- Graduate research committee for Livvie Cohn (MS student)  
2022-2025 Major professor/graduate research committee for Gabby Jones (MS student)  
2022-2023 Graduate research committee for Caroline Moore (MS student)  
2022-2023 Graduate research committee for Annabelle Tierney (MS student)

2020-2023	Major professor/graduate research committee for Jessica Wenclawiak (MS student)
2020-2022	Graduate research committee for Kayli Paterson (MS student)
2019-2025	Major professor/graduate research committee for Shannon Bley (MS student)
2018-2022	Major professor/graduate research committee for Brooke Blosser (MS student)
2017-2020	Major professor/graduate research committee for Sarah Kell (MS student)
2016-2018	Major professor/graduate research committee for Rachel Leads (MS student)
2016-2019	Graduate research committee for Brittney Parker (MS student)
2015-2017	Graduate research committee for Kea Payton (MS Student)
2012-2015	Major professor/graduate research committee for Hope Wertz (MS student)
2004-2006	Graduate research committee for Alan Flemming (MS student)
2002-2006	Graduate research committee for Majbritt Bolton-Warberg (MS student)
2006-2007	Graduate research committee for Heather Harper (MS student)
2002-2005	Colloquium Committee ( <i>Chair, 2002-2004</i> )

Texas A&M University – Commerce

1999-2000	Faculty Senate
1999-2000	University Honors Committee
1999-2000	Pre-Professional Committee
1999-2000	Mentorship Program – Greenville (TX) High School
1999-2000	Search Committee for Biologist (Dept. of Biological & Earth Sciences)
1999	Search Committee for Plant Biologist (Dept. of Biological & Earth Sciences)
1998-2000	Environmental Science Committee (Dept. of Biological & Earth Sciences)
1998-2000	Faculty Advisor for Student Association for a Greener Environment
2000	Departmental Wildlife Committee
2000	Departmental Computer Committee

**PROFESSIONAL SOCIETIES:**

Society of Environmental Toxicology and Chemistry  
 Carolinas Regional Society of Environmental Toxicology and Chemistry  
 Human Anatomy and Physiology Society  
 National Association of Biology Teachers  
 South Carolina Academy of Sciences  
 Phi Kappa Phi Academic Honor Society  
 Sigma Xi