

**Christopher J. Salice, Ph.D.**

---

Associate Dean for Research and Faculty Success  
Professor of Biology  
Towson University  
8000 York Rd., Towson, MD 21252  
Phone(w): (410)704-4920; csalice@towson.edu

**AREAS OF RESEARCH SPECIALIZATION:**

Applied Ecology/Ecotoxicology  
Ecological and Environmental Statistics/Modeling  
Ecological Risk Assessment  
Field Research in Freshwater Systems

**EDUCATION:**

**University of Maryland Baltimore**, Baltimore, Maryland

Ph.D. Environmental Toxicology, 2002

*Dissertation: Ecological Consequences of Long-term Cadmium Exposure in the  
Freshwater Snail, *Biomphalaria glabrata**

**Drexel University**, Philadelphia, Pennsylvania

B.S. Environmental Science, *magna cum laude*

**PROFESSIONAL EXPERIENCE:**

*2025- : Associate Dean for Research and Faculty Success*

Fisher College of Science and Mathematics, Towson University

*2023-2024: Director*

Environmental Science and Studies Program, Towson University

*2022-2023: Interim Dean*

Jess & Mildred Fisher College of Science and Mathematics, Towson University

*2014-2022: Director*

Environmental Science and Studies Program, Towson University

*2020-Present: Professor of Biology*

Department of Biological Sciences, Towson University

*2014-2020: Assistant-Associate Professor of Biology*

Department of Biological Sciences, Towson University

*2014: Associate Professor and Graduate Program Advisor*

Department of Environmental Toxicology, Texas Tech University

*2008-2014: Assistant Professor and Graduate Program Advisor*  
Department of Environmental Toxicology, Texas Tech University

*2004-2008: Biologist*

U.S. Environmental Protection Agency, Environmental Fate and Effects Div., Washington, D.C.

- Conducted ecological risk assessments for pesticides.
- Developed probabilistic and population modeling tools for use in risk assessment.
  - Avian probabilistic ecorisk model
  - Terrestrial Herpetofaunal Exposure Residue Program Simulation
- Presented risk assessments to Science Advisory Panels.
- Presented results to risk managers, public and at international meetings.
- Mentored junior scientists.
- Maintained scientific collaborations with researchers outside of EPA.

*2000-2004: Toxicologist*

U.S. Army Center for Health Promotion and Preventive Medicine (now Public Health Command), Aberdeen Proving Ground, MD.

- Provided professional guidance regarding environmental toxicants.
- Conducted laboratory and field research related to ecological effects of toxicants.
- Developed reptile laboratory model to fill ecotoxicological data gaps.
- Developed new modeling tools for use in ecological risk assessments.
- Produced publications, reports, presentations and computer-based tools.
- Hired and mentored junior scientists.

*1995-20002: Doctoral Student*

University of Maryland, Baltimore, Program in Toxicology  
Chesapeake Biological Laboratory, Solomons, MD.

Graduate Advisor: Dr. Guri Roesijadi (Presently at Pacific Northwest Laboratory)

Committee Members: Dr. T. Miller, Dr. E. Houde, Dr. D.A. Wright, Dr. K. Squibb

*1995-1997: Research Assistant*

University of Maryland, Baltimore, Aquatic Pathobiology Center, Baltimore, MD.

- Planned and conducted laboratory experiments with fish.
- Maintained a wide variety of fish species for use in research.

*1992-1995: Researcher*

Savannah River Ecology Laboratory, Aiken, SC.

- Participated in numerous field studies on freshwater fish and turtles.
- Mercury accumulation in largemouth bass from a nuclear-cooling reservoir.
- Bioaccumulation of mercury in fish using field enclosures and lab studies.
- Metal contamination and demographics of freshwater turtles in coal-ash basins.

## **ACADEMIC LEADERSHIP:**

*Associate Dean, Jess & Mildred Fisher College of Science and Mathematics, Towson University, January 2025 – present.*

Provide college-level leadership to support and enhance scholarship and faculty success within the college. Develop new initiatives and work to streamline processes that contribute to higher levels of faculty and student success.

*Interim Dean, Jess & Mildred Fisher College of Science and Mathematics, Towson University, July 2022 – July 2023.*

Provided college-level leadership for faculty, staff, and students in FCSM. Direct and/or participate in a wide variety of initiatives and programs to ensure college effectiveness and growth. Provided program support and development (e.g., Hill-Lopes, TOPS, TU-Rep, Forensic Chem, Ph.D. in Sustainability and Environmental Change, etc.), promotion and tenure for faculty, promotion for lecturers, staff hiring and morale, pay equity analyses, supported and developed research capacity, managed student scholarships, managed graduate student support, continued to fine-tune function of the state-of-the art Science Complex, attended or lead leadership meetings at numerous levels, worked to increase capacity and morale across the college and a host of other duties/tasks/initiatives.

*Program Director, Environmental Science and Studies Program, Towson University, 2014-2022, 2023-2024.* Provide programmatic management and leadership. Coordinate new student recruiting of undergraduate and graduate students. Seek funding opportunities for faculty and students. Further develop internship opportunities for undergraduate students. Provide advice and manage completion of degree completion plans. Participate and guide programmatic reviews and yearly assessments. Provide direction for future collaborative opportunities among faculty representing a wide range of interest in environmental issues. Developed Sustainability Minor (2022) and initiated development of a Ph.D. in Sustainability and Environmental Change. Increased participation in ENVS across the college and university.

## **RESEARCH INTERESTS:**

- Ecological effects of multiple natural and anthropogenic stressors
  - Chemical contaminants, invasive species, climate change
- Population-level and evolutionary responses to xenobiotics
  - Population models, transgenerational effects, adaptive responses to stress
- Probabilistic ecological risk assessment
  - Stochastic processes, trait variability, bioenergetics of the stress response
- Ecological and human system interactions
  - Effects of human activities on habitat quality of freshwater systems

## **AWARDS AND FELLOWSHIPS:**

2020	University System of Maryland, Board of Regents' Faculty Award for Excellence in Research, Scholarship, and Creative Activity
2005-08	EPA/EFED Performance award for excellence in conducting ecological risk assessments (4 awards)
2002-2004	USACHPPM, Performance awards (2 awards)
1997-2000	National Institute of Environmental Health, Training Grant Fellow
2000	Society of Toxicology, Regional Chapter, Travel Award
1999	Society of Environmental Toxicology and Chemistry, Chesapeake and Potomac Chapter, Student Research Award
1999	Chesapeake Biological Laboratory, Graduate Education Committee, Student Travel Award (2 awards)
1999	Society of Toxicology, Regional Chapter, Student Poster Award
1999	Graduate Student Conference, Best Student Presentation, Toxicology
1991-1993	Department of Energy, Environmental Restoration Scholar (3 Year Full)

## **ACQUIRED RESEARCH FUNDING:**

- 2023-2026, Strategic Environmental Research and Development Program (SERDP), Improved understanding of ecological toxicity and risk of Per- and Polyfluoroalkyl Substances (PFAS) in insectivorous avian species. Co-PI: Towson \$475K (Total \$1.3M).
- 2020-2024, Strategic Environmental Research and Development Program (SERDP), Multi-taxa ecotoxicity of Novel Fluorine Free Foam versus New Generation Short Chain PFAS Aqueous Film Forming Foam Products. Co-PI: Towson \$451K (Total \$1.5M).
- 2019-2021, Chesapeake Bay Trust (CBT), Effects of iron from Regenerative Stream water Conveyance restoration on stream macroinvertebrates: Implications for stream restoration and management. Total: \$250K (Co-PI: Towson \$72K).
- 2020-2022, SUPPLEMENT: Strategic Environmental Research Development Program (SERDP), Advancing the Understanding of the Ecological Risk of Per- and Poly-Fluoroalkyl Substances (ER-2627), Total: \$476K (PI with Co-PIs).

- 2019-2024, Strategic Environmental Research and Development Program (SERDP), Physiological, ecological, and environmental determinants of PFAS accumulation in fish, Total: \$1.7M (PI with Co-PIs).
- 2018-2019, U.S. Geological Survey. Terrestrial wildlife and oil and gas development on National Wildlife Refuges: Impacts on developing amphibians, \$35,578 (PI).
- 2017-2019, Fisher College of Science and Mathematics, Fisher Endowment Grant. Developing interdisciplinary authentic research experiences in urban environments with geosciences and environmental science courses, Total: \$24,000 (Co-PI).
- 2017-2020, National Science Foundation. Environmental Fate and effects of dichloroacetamide safeners: An overlooked class of emerging contaminants. Co-PI: Towson \$130K.
- 2016-2017, Fisher College of Science and Mathematics, Fisher Endowment Grant. Developing interdisciplinary authentic research experiences in urban environments with geosciences and environmental science courses. Total: \$25,857 (Co-PI).
- 2016-2019, Chesapeake Bay Trust, Restoration Research. Project title: Determining the effects of legacy sediment removal and floodplain reconnection on ecosystem function and nutrient export. Total: \$347,869 (Co-PI).
- 2016-2020, Strategic Environmental Research Development Program (SERDP), Advancing the Understanding of the Ecological Risk of Per- and Poly-Fluoroalkyl Substances (ER-2627), Total: \$1.2M (PI with Co-PIs).
- 2015-2019, U.S. Environmental Protection Agency, Science to Achieve Results (STAR) System-Based Research for Evaluating Ecological Impacts of Manufactured Chemicals (EPA-G2014-STAR-E1/E2). A bioenergetics-based approach to understanding and predicting individual- to community-level effects of manufactured chemicals, Total: \$374,510 (PI).
- 2015-2017, National Institute for Mathematical and Biological Synthesis (NIMBioS). Workshop on Predictive Systems Models for the Ecological Risk Assessment of Chemicals. (Co-PI with Dr. Valery Forbes: funding unspecified but supports travel and lodging to four, week-long meetings for 15 participants).
- 2015-2016, Texas Tech University (sub for U.S. Air Force). Focused Remedial Investigation of Potential Ecological Effects of Perfluorinated Compounds and Associated Human Exposures from Fish Consumption, Total: \$58,735 (PI).
- 2014-2015, Maryland Department of the Environment, Cooperative Effort. Support the Assessment of Estuarine Benthic Macroinvertebrate Samples for Exterior Monitoring of Hart-Miller Island Dredged Materials Containment Facility (HMI), Total: \$12,546 (PI).

- 2014-2016, U.S. Environmental Protection Agency, Science to Achieve Results (STAR) Graduate Student Fellowship. Management of mosquito-borne disease risk through spatially-explicit simulation modeling. Co-PI with D. Dawson (recipient of fellowship) (\$84,000).
- 2013-2014, Permian Basin Petroleum Association, Direct and indirect effects of oil and gas production activities on wildlife of conservation concern, Total: \$16K (Co-PI with T.A. Anderson).
- 2013-2014, New Zealand Department of Conservation, Toxicity and risks of rodenticides to lizards. Co-PI with Scott M. Weir (\$12,000).
- 2012-2015, U.S. Air Force Center for Environment and Engineering, Population-level ecological risk assessment of perfluorinated compounds in aquatic systems, Total: \$389,000 (PI).
- 2011-2012, Permian Basin Petroleum Association, Ecological risk assessment on the effects of oil and gas production activities on the dunes sagebrush lizard. Co-PI with T.A. Anderson (\$35,000).
- 2011, Conchologists of America, Individual, population, and community level consequences of contaminant effects on predator-induced defenses. Co-PI with S.C. Plautz (\$1,500).
- 2011, Conchologists of America, Multiple stressors and adaptive potential in the freshwater snail, *Physa pomilia*: insight into population persistence. Co-PI with D.A. Kimberly (\$1,500).
- 2011-2013, National Fish and Wildlife Federation, Spatial and temporal patterns in the biological communities and in-stream habitats of the Llano River. Co-PI with T. Arsuffi (\$50,000).
- 2011-2012, Shell Oil Company, Terrestrial Toxicity Investigation of Drilling Fluids, Phase 2. Co-PI with T.A. Anderson and D. Carr (\$69,990).
- 2011-2012, US Army Research, Development and Engineering Command (RDECOM): Vector-borne disease exposure: Simulating environmental influences on risk. Co-PI with S.M. Presley (\$130,000).
- 2010-2011, City of Lubbock, Ecological characterization of the Canyon Lake system in Lubbock, TX with an emphasis on emerging contaminants (\$6,000).
- 2010, East Texas Herpetological Society. Adaptive responses of spadefoot toads to pesticides in the Southern High Plains. Co-PI with S.C. Plautz (\$500).

- 2009-2012, US Army Research, Development and Engineering Command (RDECOM): Ecological, social and environmental factors contributing to the spread of infectious disease. (\$298,000).
- 2009-2011, Texas Tech University: Provost Fellowship for Ph.D. student, Scott M. Weir (2 full years, \$41,400).
- 2009-2011, Texas Tech University: Provost Fellowship for Ph.D. student, Stephanie C. Plautz (2 full years, \$41,400).
- 2004-2007, Strategic Environmental Research Development Program (SERDP), Evaluating effects of military-related contaminants to ecological receptors (focus was on Western fence lizards). Co-PI M.S. Johnson (\$400,000).
- 2000-2003, EPA Science to Achieve Results Grant. Individual and interactive risks to an amphibian population. Consultant, PIs C.L. Rowe and W.A. Hopkins (\$280,000).
- 1998, University of Maryland, Graduate Student Association Research Grant (\$1000).
- 1999, University of Maryland, Graduate Student Association Research Grant (\$1000).

## **TEACHING EXPERIENCE:**

### **A. Courses: Instructor of Record (last 10 years)**

#### ENVS Environmental Internship (ENVS 485)

Writing-based course for upper-level undergraduates (3 credit hours). Fall (2016, 2017, 2018, 2019, 2021, 2023); Spring (2017, 2018, 2019, 2021, 2022, 2024); Summer (2017, 2019, 2020, 2021) *Description:* Students prepare a professional-level research paper or report based on their internship experience. The course involves coaching students on the preparation of an outline and preliminary and final drafts.

#### ENVS Senior Seminar (ENVS 491)

Project-based course for upper-level undergraduates (3 credit hours). Fall (2015, 2017) *Description:* Students conducted surveys and analyzed data to determine invasion extent in several areas on campus, evaluated other management programs, developed communication tools and a set of recommendations for campus to improve native species habitat.

#### Applied Statistics in Environmental and Biological Sciences (ENVS 682)

Lecture with in-class computer laboratory (3 Credit hours). Spring (2015) *Description:* A strong focus on the application of the R programming environment to address applied problems in statistics. Covers the theoretical underpinnings and implementation of t-tests, analysis of variance, non-parametric statistics, regression, multiple regression, generalized linear modeling, time-to-event analyses and intro to Bayesian approaches.

Conservation Biology (BIOL 310/510)

Lecture and Laboratory (4 Credit hours). Fall (2014); Spring (2016, 2019, 2020, 2021, 2022, 2024); *Description*: Introduction to the principles and practice of Conservation Science. Covers the meaning, measurement and estimation of biological diversity and species decline and extinction. Laboratory component includes group research projects.

Modeling and Simulation in Environmental Science (ENTX 6391)

Lecture and Laboratory (3 credit hours). Spring (2010, 2011).

*Description*: Introduction to mathematical modeling for environmental toxicology and ecological risk assessment using the R software environment.

Applied Statistics in the Environmental Sciences (ENTX 6385 & 6100)

Lecture and Laboratory (4 credit hours). Fall (2011, 2012, 2013).

*Description*: Focuses on underlying principles of statistical analysis and the use of R for statistical computing and visual presentation of data. Covers t-tests, analysis of variance, basic experimental design, non-parametric tests, generalized linear modeling for toxicity data.

**B. Workshops/Professional Lectures/Session Chair**

Planning Committee, SETAC North America National Meeting. Invited to the scientific program committee to help plan the SETAC North American Conference in Pittsburgh, PA. 2022.

Invited Participant: SETAC Wildlife Toxicology Risk Assessment Work Group. Working group hosted by SETAC to develop presentations and papers focused on advances in wildlife risk assessment. Summer 2021-Summer 2023.

Invited Panelist: Science Roundtable Discussion on Per- and Polyfluoroalkyl Substances (PFAS). Roundtable hosted by the University of Maryland Center for Environmental Science (UMCES) and the Maryland Department of the Environment (MD). Virtual, October 5, 2020.

Co-Chair, Research Session: Understanding risks from exposures to per- and polyfluoroalkyl substances. Annual Meeting of the Society of Environmental Toxicology and Chemistry, Toronto, ON. November 2019.

Co-Chair, Research Session: Advances in ecotoxicology and risk assessment of reptiles and amphibians. Annual Meeting of the Society of Environmental Toxicology and Chemistry, Toronto, ON. November 2019.

Invited Panelist: SETAC Workshop on Environmental Risk Assessment of PFAS. Panelist in the Ecotoxicology Session and Breakout Group. Sponsored by the Society of Environmental Toxicology and Chemistry, Aug. 12-15, 2019. Durham, NC.

Co-Chair, Research Session: Advances in the ecotoxicology of reptiles and amphibians. 39<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Sacramento, CA. November 2018.



Co-Instructor, Short-Course: Getting Comfortable with R: Introduction to Statistics, Graphics, and Modeling. 38<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Minneapolis, MN. November 2017.

Co-Chair, Research Session: Ecotoxicology of Per- and Polyfluoroalkyl Substances (PFASs). 38<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Minneapolis, MN. November 2017.

Leader, hands-on workshop for undergraduate exchange students from Peru on stream assessment and urban stream syndrome. July 2017.

Co-Chair, Research Session: Systems Modeling Approaches for Ecotoxicology to Link Molecular Responses to Ecosystem Effects. 7<sup>th</sup> World Congress of the Society of Environmental Toxicology and Chemistry, Orlando, FL. November 2016.

Leader, hands-on workshop for undergraduate students on stream assessment and urban stream syndrome for the Retreat for Environmental Action hosted by the Office of Civic Engagement and Leadership, Towson University. October 2016.

Co-chair, National Institute of Mathematical and Biological Synthesis (NIMBioS) working group on Dynamic Models to Link Organism Performance to Ecosystem Service Delivery for Ecological Risk Assessment of Chemicals. University of Tennessee, November 2015, April 2016, September 2016, September 2017.

Chair, Workshop: Society of Environmental Toxicology and Chemistry Conference. Challenges and Opportunities for Advancing Ecological Risk Assessment for Reptiles and Amphibians. Vancouver, Canada, November 9, 2014.

National Institute for Mathematical and Biological Synthesis (NIMBioS). Predictive Models for Ecological Risk Assessment Workshop. University of Tennessee, May 27-30, 2014.

CopLife America Science Forum: Population Modeling of Endangered Species – Evaluating available models for understanding potential effects of crop protection products on exposed populations. Washington, D.C., April 8-9, 2014.

USEPA Invited Webinar: Temporal and Spatially-Disparate Influences of Anthropogenic Stressors on Amphibian Populations: Aquatic Contaminants and Terrestrial Habitat Reduction. Sponsored and organized by EPA National Center for Environmental Research, February 18, 2014.

NSF Funded STEM Experience for High School Students: Extinction – understanding, predicting and preventing decline and loss of imperiled populations (Texas Tech University, Summer 2013).

Workshop on Probabilistic Ecological Risk Assessment given to the South-Central Chapter of the Society of Environmental Toxicology and Chemistry (Junction, TX Spring 2010).

New hire training on terrestrial ecological risk assessment for the U.S. Environmental Protection Agency Environmental Fate and Effects Division (Fall 2007).

## STUDENT AND SCHOLAR MENTORING:

### Postdoctoral Scholars:

- Krista Kraskura, Ph.D. (2022- ). Effects of physiological and ecological factors on PFAS Bioaccumulation in freshwater fish.

### Current Graduate Students:

- Heather Delaplaine (1<sup>st</sup> year M.S., Towson University): PFAS in MD streams across land use gradients.
- Liam Odean (2<sup>nd</sup> year M.S., Towson University): Effects of PFAS and PFAS-free AFFF on model reptilian species.
- Talia Tanner (2<sup>nd</sup> year M.S., Towson University): PFAS bioaccumulation and toxicity in freshwater aquatic invertebrates.

### Graduate Students Completed:

- Taylor Anderson (Completed 2023, M.S. Towson University): *Effects PFOS and PFOS + PFHxS on Brown anoles under ecological relevant exposure conditions.*
- Megan Gaesser (Completed 2023, M.S. Towson University): *Effects of Fe in freshwater fauna in restored and unrestored coastal Maryland streams.*
- Abbi Brown (Completed 2022, M.S. Towson University): *Bioaccumulation of PFAS in freshwater fish: effects of temporal and environmental factors on uptake.*
- Sarah Lanasa (Completed 2022, M.S. Towson University): *Effects of herbicide “safeners” on non-target ecological receptors.*
- Charles Furst (Completed 2021, M.S. Towson University): *Per- and polyfluroalkyl substances in the environment: effects on underrepresented vertebrate taxa.*
- Madison Smith (Completed 2019, M.S. Towson University): *Bioenergetic indicators of stress in stream invertebrates across an urban to rural gradient.*
- Catilin Weible (Completed 2019, M.S. Towson University): *Effects of Per- and poly-fluroalkyl substances on reptilian survival, growth, and reproduction.*
- Frank Green (Completed 2019, M.S. Towson University): *Effects of multiple stressors on survival, development and metamorphosis of wood frogs, Rana sylvatica.*
- Timothy Woo (Completed 2017, M.S. Towson University): *Predicting the impacts of anthropogenic stress on aquatic species: a case study in resource-consumer-toxicant dynamics.*
- Laina Lockett (Completed 2017, M.S. Towson University): *Exploring impacts of multiple anthropogenic and environmental stressors: data needs for predicting ecological effects.*
- Adric Olson (Completed 2017, Ph.D. Texas Tech University): *Ecological effects of perfluorinated compounds: building ecological risk and exposure models for understanding effects on aquatic communities.*
- Andrew East (Completed 2016, M.S. Towson University): *Bioenergetic effects of anthropogenic stressor on aquatic organisms.*
- Evelyn Reategui-Zirena (Completed 2016, Ph.D. Texas Tech University): *Bioenergetics of the stress response: cellular energy allocation and transgenerational effects of Cadmium in the freshwater snail, Lymnaea stagnalis.*
- Dan Dawson (Completed 2016, Ph.D. Texas Tech University): *Developing a spatially-explicit, trait-based, community-level model for predicting disease risk in urban environments.*

- Thomas Bilbo (Completed 2015, M.S. Texas Tech University): *Toxicological implications of the developmental environment in two Aedes sp. vector mosquitoes.*
- Bridgette Fidler (Completed 2015, M.S., Texas Tech University): *The toxicological effects of pyraclostrobin on the energy allocation pattern of the freshwater gastropod, Lymnaea stagnalis.*
- Meghan Funkhouser (Completed 2014, M.S. Texas Tech University): *Effects of perfluorooctane sulfonate on macroinvertebrates.*
- Scott Weir (Completed 2014, Ph.D. Texas Tech University): *Evaluating assumptions of ecological risks to reptiles: testing the contribution of exposure route to total exposure.*
- David A. Kimberly (Completed 2013, Ph.D. Texas Tech University): *Ecological and evolutionary responses to multiple stressors: implications for pollutants and climate change.*
- Stephanie C. Plautz (Completed 2013, Ph.D. Texas Tech University): *Transgenerational and developmental plasticity in response to environmental stressors.*
- Tamara O. Luna (Completed 2012, M.S. Texas Tech University): *Development and testing of lab and field bioassays to evaluate impacts of emerging contaminants in treated wastewater.*

#### **GRADUATE STUDENT COMMITTEES (non-chair):**

- Alanna Rick (1<sup>st</sup> Year, Ph.D.), Ecology and Evolutionary Biology, Tulane University
- Hailey Christoph (2<sup>nd</sup> Year, M.S.), Biological Sciences, Towson University
- Neal Eshleman (2<sup>nd</sup> Year, M.S.), Environmental Science, Towson University
- Kyle Hurley (Completed 2023, M.S.): Environmental Science, Towson University
- Dylan Burgevin (Completed 2023, M.S.): Environmental Science, Towson University
- Tyler Wilt (2<sup>nd</sup> Year, M.S.): Biology, Towson University
- Daniel McDevitt (Completed 2023, M.S.): Environmental Science, Towson University
- Nicole Dennis (Completed 2021, Ph.D.): Environmental Toxicology, Texas Tech University.
- Danielle Gruber (Completed 2021, M.S.): Environmental Science, Towson University.
- Dylan Ferris (Completed 2020, M.S.): Biological Sciences, Towson University.
- Mike Talley (Completed 2019, M.S.): Environmental Science, Towson University.
- Darcy Bird (Completed 2017, M.S.): Environmental Science, Towson University.
- Kasey Bolyard (Completed 2016, M.S.): Environmental Science, Towson University.
- Sean Sipple (Completed 2016, M.S.): Environmental Science, Towson University.
- Nathan Duncan (Completed 2015, M.S.): Department of Natural Resources, Texas Tech University.
- Wesley Anderson (Completed 2012, M.S.): Department of Natural Resources, Texas Tech University.
- Lynne Beaty (Completed 2012, M.S.): Department of Biology, Texas Tech University.
- Jeff Bradstreet (Completed, M.S.): Department of Natural Resources, Texas Tech University.
- Richard Erickson (Completed 2013, Ph.D.) Department of Environmental Toxicology, Texas Tech University.
- Collin Funkhouser (Completed 2013, M.S.): Department of Natural Resources, Texas Tech University.

- Samuel Hawkins (Completed 2012, M.S.): Department of Environmental Toxicology, Texas Tech University.
- Hallie Ladd (Completed 2010, M.S. student): Department of Natural Resources, Texas Tech University.
- Becki Perkins (Completed 2019, Ph.D. student): Department of Natural Resources, Texas Tech University.
- Brie Sherwin (Completed 2014, Ph.D.): Department of Environmental Toxicology, Texas Tech University.
- Christena Stevens (Completed 2010, M.S.): Department of Environmental Toxicology, Texas Tech University.
- Sarah Webb (Completed 2015, Ph.D.): Department of Environmental Toxicology, Texas Tech University.
- Rebecca Pezdek (Completed 2014, M.S.): Department of Environmental Toxicology, Texas Tech University.
- Rebecca Cocharan (Completed 2015, M.S. student): Department of Environmental Toxicology, Texas Tech University.
- Heather Lanza (Completed 2015, M.S.): Department of Environmental Toxicology, Texas Tech University.

## **UNDERGRADUATE RESEARCH MENTORING**

- Faith Matthews (2024) Metabolic responses to road salt in native and invasive crayfish in MD
- Jared Burdette (2024) Relative toxicity of PFOS to house crickets exposed via drinking water vs diet
- Patience Odeh (2024) Using Environmental DNA to explore factors that determine occurrence of different trout species in Baltimore County, MD streams
- Caitlin Fleming (2024) Using Environmental DNA and GIS to characterize brook trout occurrence in Baltimore County, MD.
- Nathan Smith (2023) Effects of fluorine-free foam on novel toxicity endpoints in the brown anole.
- Jeremy Miller (2023) Effects of fluorine-free foam on novel toxicity endpoints in the brown anole.
- Seleru Owens (2023-2024) Metabolic rate of freshwater fish exposed to different salinities and PFAS.
- Bryan Lloyd (2022-2023) Environmental Science and Studies. Respiration of freshwater fish in response to PFAS exposure.
- Liam Odean (2022-2023) Environmental Science and Studies. Ecotoxicity of fluorine-free chemicals on *Anolis sagrei*.
- Amalia Connor (2021-2023) Biology. Amphibian diversity and condition across a rural to urban gradient.
- Nathaniel Brooks (2021) ENV5. Dietary vs. drinking water exposure to PFOS: effects in a model terrestrial invertebrate.
- Alexander Pellegrini (2021-2022) Biology. Dietary vs. drinking water exposure to PFOS: effects in a model terrestrial invertebrate.
- Jacob Damrow (2021) ENV5. Relative uptake of 4-8 carbon perfluoroalkyl acids in lizard eggs.

- Carlos Barrigan (2019) Environmental Science and Studies. Effects of pulse exposures of NaCl to developing green frogs.
- Matthew Godbey (2019) Environmental Science and Studies. Population comparison of green frog responses to NaCl: are amphibians from more urbanized locations more resistant to salt?
- Taylor Anderson (2019-2020) Environmental Science and Studies. Developing a toxicity and exposure test system for terrestrial invertebrates.
- Shaina Furman (2019-2020) Environmental Science and Studies. Effects of PFAS on developing reptiles.
- Codi Hrynko (2019-2020) Chemistry. Characterizing inorganic ions in stormwater ponds along an urban to rural gradient.
- Paulo Ribeiro (2016-2018) Environmental Science and Studies. Effects of road de-icing salts and the resource environment on growth and development of the African clawed frog, *Xenopus laevis*.
- Joy Huber (2018) Environmental Science and Studies. Phototaxis in *Daphnia magna* exposed to chemical stressors common to Maryland.
- Madelin Barry (2018-2019) Environmental Science and Studies. Impacts of the resource environment on the combined effects of multiple chemical stressors in *Daphnia magna*.
- Dan Furst (2018) Environmental Science and Studies. Ecotoxicity of PFAS to the brown anole, *Anolis sagrei* and the domestic cricket, *Acheta domestica*.
- Kellie McCreesh (2017) Chemistry and MB3. Bioenergetic profiles in invertebrates from streams on Towson University's campus.
- Anil Jajistar (2017-2018) Chemistry, Towson University. Lysozyme assays in crickets and lizards. Lizard and cricket toxicity to PFASs.
- Alex Goldstein (2017-2018) Environmental Science and Studies, Towson University. Interactive effects of road de-icing salt and pyraclostrobin on algal growth.
- Madison Smith (2015-2017) Environmental Science and Studies, Towson University. Lipid profiles in stream surface water and benthic invertebrates as indicators of chemical stress along an urban to rural gradient.
- Mary Genovese (2017) Biology Major, Towson University. Using cohort-based bioassays to evaluate effects of manufactured chemicals on freshwater invertebrates.
- Matthew Stefanak (2017) Biology Major, Wesleyan University. Undergraduate researcher in my lab for Summer 2016. Effects of pyraclostrobin on egestion and behavior of *Lymnaea stagnalis*.
- Veronica Pereira (2015-2016), Environmental Science and Studies Program, Towson University. Effects of multiple agrochemicals on aquatic systems.
- Shoshana Nachmen (2016) Environmental Science and Studies Program, Towson University. Interactions of chemical stressor and density dependent effects.
- Adam Zamostny (2015-2016) Environmental Science and Studies Program, Towson University. Effects of pesticides on organismal processing time and efficiency.
- Timothy Woo (2015) Environmental Science and Studies Program, Towson University. Understanding the effects of salt pulses on a model aquatic invertebrate.
- Ami Knox (2014) Department of Natural Resources, Texas Tech University. Effects of hydrogen sulfide gas on bobwhite quail; acute toxicity of rodenticides to reptiles; invertebrate diversity in petroleum production areas.
- Taylor Guest (2012) Department of Biological Sciences, Texas Tech University. Effects of predator threat on toxicant tolerance in offspring.

## AWARDS TO STUDENTS UNDER MY MENTORSHIP

- 2024: OURCI Summer grant (partial), Faith Matthews
- 2024: OURCI Summer grant (partial), Patience Odeh
- 2023: SETAC CPRC Student Travel Award, Liam Odean
- 2022: Undergraduate Research Fellowship, Amalia Conner (\$5K for summer + supplies)
- 2021: SETAC CPRC Research Highlight: Abbi Brown
- 2021: SETAC Student Travel Award, Taylor Anderson
- 2021: SETAC Student Travel Award, Abbi Brown
- 2019: First Place Student Poster, MWMC, Matthew Godbey (UG)
- 2019: SETAC CPRC Research Highlight: Frank Green
- 2019: OURCI Undergraduate Travel Award: Madelin Barry
- 2019: SETAC Student Travel Award, Amanda Isabella
- 2019: SETAC Student Travel Award, Sarah Lanasa
- 2019: SETAC Student Travel Award, Joy Huber
- 2019: SETAC CPRC Best Student Poster Award, Caitlin Weible
- 2018: SETAC Student Travel Award, Caitlin Weible
- 2018: Towson University Graduate Research Award, Tim Woo
- 2018: 3<sup>rd</sup> Place Best Student Poster, SETAC CPRC, Caitlin Weible
- 2016: First Place Student Poster, MWMC, Madison Smith (UG)
- 2016: FCSM Undergraduate Research Award, Madison Smith (UG)
- 2016: Winner Regional SETAC virtual poster award, V. Pereira (UG)
- 2016: SETAC Student Travel Award to Veronica Pereira (UG)
- 2016: SETAC Student Travel Award to Laina Lockett
- 2016: Chesapeake Potomac Regional SETAC, 3<sup>rd</sup> place poster, Laina Lockett
- 2016: Outstanding Doctoral Student, Texas Tech, Dan Dawson
- 2016: First Place TTU 3 Minute Thesis Competition: Evelyn Reategui-Zirena
- 2016: Scholarship from Hispanic Association of Women, Evelyn Reategui-Zirena
- 2016: First place student poster, PROMISE AGEP, Laina Lockett
- 2015: Terracon Foundation Outstanding Student Award, Texas Tech, Adric Olson
- 2015: Undergraduate Research Award, Towson University, Veronica Pereira (UG)
- 2015: SETAC Student Travel Award to Andrew East
- 2015: SETAC Student Travel Award to Evelyn Reategui-Zirena
- 2015: Permian Basin Petroleum Association Masters Student Award to Thomas Bilbo
- 2015: 1<sup>st</sup> place, LE-SETAC Peer-Voted Award for TTABSS to Thomas Bilbo
- 2015: Texas Tech Graduate School Travel Award to Thomas Bilbo
- 2015: Grants-in-Aid for Research Award (TTU GSA) to Evelyn Reategui-Zirena
- 2014: Helen DeVitt Jones Graduate Fellowship to Thomas Bilbo
- 2014: Terracon Foundation Scholarship to Thomas Bilbo
- 2014: Outstanding Oral Presentation Award in Environmental Sciences at the National SACNAS Conference to Evelyn Reategui-Zirena
- 2014: Travel Award from SACNAS Organizing Committee to Evelyn Reategui-Zirena
- 2014: Hispanic Association of Women Scholarship to Evelyn Reategui-Zirena
- 2014-2016: U.S. EPA Science to Achieve Results Graduate Fellowship to Dan Dawson
- 2014: SETAC Conference Travel Award to Bridgette Fidler
- 2014: SETAC Conference Travel Award to Reategui-Zirena

- 2014: ARCS Foundation Scholarship to Dan Dawson
- 2013: TIEHH Waste Control Specialists Ph.D. Student of the Year to Steph C. Plautz
- 2013: TIEHH Syngenta M.S. Student of the Year Award to Meghan Funkhouser
- 2013: Texas Tech Association of Biologists 2<sup>nd</sup> Place Platform Presentation Award to Steph C. Plautz (Toxicology Session)
- 2013: SETAC Conference Travel Award to Adric Olson
- 2012: SETAC Conference 2<sup>nd</sup> Place Ph.D. Poster Award to Jamie G. Suski
- 2012: SETAC Conference Travel Award to Scott M. Weir
- 2012: SETAC Conference Travel Award to Steph C. Plautz
- 2012: SETAC Conference Travel Award to David Kimberly
- 2012: SETAC Conference Travel Award to Meghan Funkhouser
- 2012: Regional SETAC 3<sup>rd</sup> Place Poster Award to Tamara Luna
- 2012: Regional SETAC 1<sup>st</sup> Place Student Presentation Award to Scott M. Weir
- 2012: Texas Tech Annual Biological Sci. Symposium 3<sup>rd</sup> Place Poster David Kimberly
- 2012: Texas Tech Association of Biologists Meeting, 1<sup>st</sup> Place Platform Presentation to Scott M. Weir (Toxicology Session)
- 2012: Texas Tech Association of Biologists Meeting, 1<sup>st</sup> Place Platform Presentation to Lynne Beaty (Natural Resources Session)
- 2012: CH Fellowship to Dan Dawson
- 2012: ARCS Foundation Scholarship to Dan Dawson
- 2011: TIEHH Syngenta Ph.D. Student of the Year Award to Scott M. Weir
- 2011: Regional SETAC 1<sup>st</sup> Place Student Presentation to Scott M. Weir
- 2011-2013: Helen DeVitt Jones Graduate Fellowship to Scott M. Weir
- 2010: Regional SETAC 2<sup>nd</sup> Place Poster Award to David A. Kimberly
- 2009-2011: AT&T Chancellor's Fellowship to Steph C. Plautz
- 2009-2011: AT&T Chancellor's Fellowship to Scott M. Weir

## **ACADEMIC SERVICE:**

*Search Committee Chair*, Program Support Specialist in Environmental Science and Studies. Spring, 2024.

*Search Committee Chair*, Administrative Assistant II in FCSM Dean's office. Spring, 2024.

*Committee Member*, Towson University Graduate Studies Committee, 2023-

*Committee Member*, Towson University, Climate Leadership Committee, 2015-present.

*Committee Member*, Towson University search committee for Associate Provost for Research and Dean of the Graduate School, 2022.

*Committee Member*, Towson University, Department of Biological Sciences Merit Committee, 2021.

*Committee Member*, Towson University Board of Regents Award Selection Committee, 2020-2021.

*Committee Member*, Towson University Honorary Degree Candidate Selection Committee, 2020, 2021.

*Mentor*, Towson University Board of Regents Nominees for Award for Scholarship and Creative Inquiry 2020, 2021.

*Task Force Member*, ReTURN to TU Task Force – focused on safe return to TU scholarship activities during the pandemic, 2020 - 2021.

*Committee Chair*, Department of Biological Sciences Math Curriculum Committee, 2019-2022.

*Participant*, Towson University, Towson University Environmental Conference planning committee, 2015-present (not occurring in 2022).

*Committee Member*, Towson University, Undergraduate Research Grants Committee, 2015-2021.

*Faculty Sponsor*: Towson University, Student Environmental Organization (SEO), 2014-2022.

*Committee Member*, Towson University, Science Building Academic Advisory Committee, 2014-2020.

*Committee Member*, Towson University, FCSM, Career Community (2018-2019).

*Committee Member*, Search Committee for Geoscientist for the Department of Physics, Astronomy and Geosciences, Towson University, 2018.

*Member*, Maryland Stream Restoration Association, Education and Outreach Committee. Work with professionals in stream restoration to promote the field and recruit students and employees.

*Organizer*, Student and Career Night at Towson University in cooperation with the Maryland Stream Restoration Association Education Committee. October 25, 2017.

*Outreach/Education, 2017 and ongoing*, Towson University. Conducted a field trip to Bee Tree preserve to teach international and TU students about urban stream syndrome and the activities scientists undertake to better understand stream health and management.

*Participant*, On behalf of Towson University's president, participated in the Presidents' Roundtable Discussion on environmental health in Maryland with the Secretary of the Environmental for Maryland, 2017.

*Committee Member*, Search Committee for Environmental Microbiologist for the Department of Biological Sciences, Towson University, 2016.

*Departmental Graduate Advisor*, Department of Environmental Toxicology, 2011-2014.  
Served as point of contact for new and existing graduate students. Provided curriculum, research and career advice as needed. Coordinated new student recruiting and facilitated mentor-student relationships. Aided in the development of Graduate Program Reviews, Departmental Strategic Plans and Student Learning Outcomes. Planned and coordinated graduate program growth. Helped increase the graduate program in 2013 and 2014 despite university-level decreases in graduate enrollment.

*Committee Member*, Texas Tech University Animal Care and Use Committee, August 2013 - August 2014.

*Curriculum Committee*, Depart. of Environmental Toxicology, Summer 2012 – August 2014.

*Outreach Committee*, Department of Environmental Toxicology, Summer 2012 – August 2014.

*Faculty Search Committee*, Chair of the Department of Environmental Toxicology, Fall 2012

*Research Judging*, Texas Tech Association of Biologists (TTABS) Annual Meeting, Spring 2012, Spring 2010

*Faculty Search Committee*, Environmental Toxicologist, Fall 2011  
Worked with other committee members to screen and host applicants for an environmental toxicologists position at Texas Tech.

*Grade Appeals Committee*, Department of Arts and Sciences, 2009-present  
Serve on committee to evaluate student grade appeals issues.

*Science Judging*, Numerous local schools, TTU undergraduate researchers, 2009-2014  
Volunteer to judge scientific research at the grade school through undergraduate level.



## **PROFFESIONAL SERVICE:**

### **Journal Editing and Reviews:**

*Chief Editor*, *Frontiers in Freshwater Science, Population Health and Diseases Section* (2023-present)

*Associate Editor*, *Environmental Toxicology and Chemistry* (2015-present)

*Associate Editor*, *PLOS ONE* (2012-2016)

*Associate Editor*, *Journal of Herpetology* (2012-2016)

### *Journal Reviewer:*

Nature Ecology and Evolution

Ecological Indicators

Environmental Science and Technology

Environmental Toxicology and Chemistry

Ecotoxicology

Journal of Herpetology

Ecotoxicology and Environmental Safety

Archives of Environmental Contamination  
and Toxicology

Oecologia

Naturwissenschaften

Acta Herpetologica

Environmental Practice

Ecological Modelling

Science of the Total Environment

Environmental Pollution

American Midland Naturalist

Hydrobiologia

Chemosphere

PLoS One Biology

PLoS One Neglected Tropical Diseases

Functional Ecology

Revista Chilena De Historia Natural

Biological Conservation

Integrated Environmental Assessment and  
Management

Environmental Science: Process and  
Impact

## **MAJOR INVITED REVIEWS:**

May 2024: *Invited Proposal Reviewer*: The French National Research Agency.

September 2023: *External Reviewer*, George Mason University, for promotion of a faculty member to Associate Professor with Tenure.

September 2023: *External Reviewer*, Penn State Behrend University, for promotion of a faculty member to Associate Professor with Tenure.

June 2021: *Invited Technical Reviewer*. The U.S. Environmental Protection Agency Proposed Ambient Water Quality Criteria for PFOS and PFOA.

July 2021: *Invited Proposal Reviewer*. The Delaware Sea Grant Program.

June 2021: *Invited Proposal Reviewer*. The New Hampshire Sea Grant College Program.

January 2020: *Invited Proposal Reviewer*. The University of Wisconsin Water Resources Institute.

November 2017: *Invited Proposal Reviewer*: The Research Council of Norway.

December 2016: *Invited Program Reviewer*: Shepherd University, Institute of Environmental and Physical Science, 5-Year Program Review. Reviewed self-study document, conducted site visit and prepared a final report with recommendations.

November 2016 & February 2017: *Invited Pre-Proposal/Proposal Reviewer*: Hudson River Foundation.

December 2015: *Invited Review for Book Chapter*: “Applications of a mechanistic model as a non-invasive tool to improve understanding of Whooping Crane ecology, energetics and behavior.

September 2015: *Invited Proposal Reviewer*. U.S. EPA Science to Achieve Results Graduate Fellowship Program (STAR), Washington, D.C.

June 2015: *Invited Proposal Reviewer*. The Rovaltain Scientific Foundation, France.

April 2014: *Reviewer*, “Superintuitive Biostatistics” by Harvey Motulsky, Oxford University Press.

May 2013: *Reviewer*: “Mosquitoes of the Great Lakes Region and their potential response to climatic change”, for Bipartisan Policy Center.

April 2010: *Proposal Reviewer*, U.S. Army Engineering Research and Development Center (ERDC).

August 2012: *Proposal Reviewer*, Marsden Fund, The Royal Society of New Zealand

March 2013: *Proposal Reviewer (Panel)*, U.S. EPA Science to Achieve Results Graduate Fellowship Program (STAR), Washington, D.C.

## **PROFESSIONAL COMMITTEES:**

*Member (2022)*, Planning Committee, Society of Environmental Toxicology and Chemistry, North America Annual Conference (Pittsburgh, PA).

*Member (2016-2022)*, Maryland Stream Restoration Association, Education and Outreach Committee.

*Chair (2014-2016)*, Society of Environmental Toxicology and Chemistry Ecotoxicology of Amphibians and Reptiles committee on advancing the use of Amphibians and Reptiles in Ecological Risk Assessment

*Member, Society of Environmental Toxicology and Chemistry Ecological Risk Assessment Advisory Group*

*Member, Society of Environmental Toxicology and Chemistry Ecotoxicology of Amphibians and Reptiles Advisory Group*

**OTHER SERVICE & CONSULTING EXPERIENCE:**

2018-2022, *Technical Expert*, Natural Resource Damage Assessment, New York State Trustees.

2016 *Career Mentor*, Emerging Contaminants Summit (mentee: Gongde Chen)

2016 *Participant*, President's Roundtable Summit with MD Secretary of the Environment

2015- 2016, *Advisory Board Member*, Urban Resources Initiative, Baltimore, MD.

2015 *Steering Committee Member*, University System of Maryland, Environmental Summit

2012-2014, *Research Mentor*, NSF PRISM Project: Recruitment, Mentoring and Research in Mathematics and Science at Texas Tech University

2012 *Invited Participant*, Llano River Field Station NSF Planning Workshop. Junction, TX

2012 *Invited Participant*, Roundtable with Society of Environmental Journalists (SEJ) Focus of discussion was environmental issues in Texas.

2011 *Consultant*, Permian Basin Petroleum Association  
Provided guidance, document reviews and preliminary assessments on the effects of oil and gas production activities on the dunes sagebrush lizard.

2006-2008, Co-chair, Terrestrial Biology Technical Team (EPA/EFED)  
Guided new developments in terrestrial ecological risk assessment within the U.S. EPA.

2005-2008, Refined Risk Assessment Workgroup (EPA/EFED)  
Worked with a small team of scientists to develop and advance the use of probabilistic ecological risk assessment methods.

2004-2008, *Member*, Aquatic Biology Technical Team (EPA/EFED)  
Worked with team members to advance the state of science with regard to conducting ecological risk assessments on aquatic species.

2002-2004, *Member*, USACHPPM Library Committee  
Enhanced library services for personnel in the U.S. Army Medical Command.

2000-2004, *Member*, Army Biological Technical Assistance Group (BTAG)  
Advanced ecological risk assessment of contaminants related to military activities through promotion of advanced modeling techniques.

2000-2004. *Member*, Tri-Service Ecological Risk Assessment Work Group (TSERAWG)  
Worked with working group to advance ecological risk assessment practices for use on military installations. My primary focus was on advanced exposure and effects modeling.

1995 *Consultant*. Effects of elevated Be on natural populations. Ramazzini Inst., MD.  
Prepared a summary and review of the effects of Beryllium on natural populations.

1995 *Research Assistant*. Environmental curriculum development. University of Maryland, School of Law, Baltimore, MD.  
Worked in conjunction with environmental lawyers and Environmental Defense Fund scientists to develop a curriculum of environmental toxicology for non-scientists.

### PROFESSIONAL ASSOCIATIONS:

The Society of Environmental Toxicology and Chemistry

### PUBLICATIONS:

\*indicates graduate student author

\*\*indicates undergraduate student author

#### 2025

East, A.G., Anderson, R.H., Duncan, C.M., Salice, C.J. 2025. Surface soil PFAS mixtures dominated by PFOS: Prioritization for ecotoxicity testing and ecological risk assessment at current and former U.S. Air Force Bases. *Environmental Toxicology and Chemistry*, in press.

Kikanme, K.N., Karnjanapiboonwong, A., Angappan, R., Dennis, N.M., Hossain, F., Suski, J.G., Salice, C.J., Anderson, T.A. 2025. Maternal transfer and sex-differences in brain bioaccumulation for Northern bobwhite quail (*Colinus virginianus*) exposed to per- and poly-fluoroalkyl substances. *Ecotoxicology and Environmental Safety* 289.

#### 2024

\*Bilbo, T.R., Dawson, D.E., Salice, C.J. 2024. The challenge of assessing multiple stressors in freshwater ecosystems: nonintuitive interactions between pesticide exposure and larval crowding. *Frontiers in Freshwater Science* 17 January 2024.  
<https://doi.org/10.3389/ffwsc.2023.1302240>

\*Baltzer, P.J., Moore, J., Salice, C.J., Veauchamp, V.B. 2024. The effects of legacy sediment removal and floodplain reconnection on riparian plant communities. *Wetlands* 44(15).

\*Hossain, Farzana, Dennis, N.M., Karnjanapiboonwong, A., Subbiah, S., Longwell, A.S. Suski, J.G., Salice, C.J., Anderson, T.A. 2024. Evaluation of the chronic reproductive toxicity of a fluorine-free firefighting foam and a short-chain fluorinated foam to Northern Bobwhite Quail (*Colinus virginianus*). *Environmental Toxicology and Chemistry* 43(1):211-221.

## 2023

Suski, J.G., Chanov, M.K., Heron, C.G., Field, J.A., Salice, C.J. 2023. Ecotoxicity and accumulation of perfluorononanoic acid in the fathead minnow (*Pimephales promelas*) and an approach to developing protective thresholds in the aquatic environment through species sensitivity distribution. *Environmental Toxicology and Chemistry* 42(10):2229-2236.

Brown, A.S., Yun, X., McKenzie, E.R., Heron, C.G., Field, J.A., Salice, C.J. 2023. Spatial and temporal variability of per- and polyfluoroalkyl substances (PFAS) in environmental media of a small pond: Toward and improved understanding of PFAS bioaccumulation in fish. *Science of the Total Environment* 880:163149.

Bean, T.G., Beasley, V.R., Berny, P., Eisenreich, K.M., Elliott, J.E., Eng, M.L., Fuchsman, P.C., Johnson, M.S., King, M.D., Mateo, R., Meyer, C.B., Salice, C.J. Rattner, B.A. 2023. Toxicological effects assessment for wildlife in 21<sup>st</sup> century: Review of current methods and recommendations for a path forward. *Integrated Environmental Assessment and Management*, <https://doi.org/10.1002/ieam.4795>

Rattner, B.A., Bean, T.B., Beasley, V.R., Berny, P., Eisenreich, K.M., Elliott, J.E., Eng, M.L., Fuchsman, P.C., Johnson, M.S., King, M.D., Mateo, R., Meyer, C.B., O'Brien, J.M., Salice, C.J. 2023. Wildlife ecological risk assessment in the 21<sup>st</sup> century: Promising technologies to assess toxicological effects. *Integrated Environmental Assessment and Management*, <https://doi.org/10.1002/ieam.4806>

## 2022

\*Lanasa, S., \*\*Niedzwiecki, M., Reber, K.P., East, A., Sivey, J., **Salice, C.J.** 2022. Comparative toxicity of herbicide active ingredients, safener additives, and commercial formulations to non-target algae, *Raphidocelis subcapitata*. *Environmental Toxicology and Chemistry*. 41(6):1466-1476..

\*Dennis, N.M., Hossain, F., Subbiah, S., Karnjanapiboonwong, A., Dennis, M.L., McCarthy, C., Heron, C.G., Jackson, W.A., Crago, J.P., Field, J.A., **Salice, C.J.**, Anderson, T.A. 2022. Chronic reproductive toxicity thresholds for northern bobwhite quail (*Colinus virginianus*) exposed to perfluorohexanoic acid (PFHxA) and a mixture of perfluorooctane sulfonic acid (PFOS) and PFHxA. *Environmental Toxicology and Chemistry*, 41(1):219-229.

\*Dennis, N.M., Subbiah, S., Karnjanapiboonwong, A., Dennis, M.L., McCarthy, C., Heron, C.G., Jackson, W.A., Crago, J.P., Field, J.A., **Salice, C.J.**, Anderson, T.A. 2022. Species- and Tissue-specific chronic toxicity values for Northern bobwhite quail (*Colinus virginianus*) exposed to perfluorooctane sulfonic acid and perfluorohexane sulfonic acid. *Environmental Toxicology and Chemistry* 41(1):219-229.

\*Wilkinson, R.S., \*Lanza, H.A., \*Olson, A.D., Mudge, J.F., **Salice, C.J.**, Anderson, T.A. 2022. Perfluoroalkyl acids in sediment and water surrounding historical fire training areas at Barksdale Air Force Base. PeerJ 10:e13054 <https://doi.org/10.7717/peerj.13054>

## 2021

McCarthy, C.J., Roark, S.A., Wright, D., O'Neal, K., Muckey, B., Stanaway, M., Rewerts, J., Field, J., Anderson, T.A., **Salice, C.J.** Toxicological response of *Chironomus dilutes* in single chemical and binary mixture exposure experiments with six perfluoroalkyl substances. *Environmental Toxicology and Chemistry*, in press.

McMahon, P.\*, V.B. Beauchamp, R.E. Casey, C. J. Salice, K. Bucher, M. Marsh\* and J. Moore. 2021. Effects of stream restoration by legacy sediment removal and floodplain reconnection on water quality. *Environmental Research Letters* 16:035009

Ankley G.T., P. Cureton, R.A. Hoke, M. Houde, A. Kumar, J. Kurias, R. Lanno, C. McCarthy, J. Newsted, **C.J. Salice**, B.E. Sample, M.S. Sepúlveda, J. Steevens, S. Valsecchi. 2021. Assessing the ecological risks of per- and polyfluoroalkyl substances: Current state-of-the Science and a proposed path forward. *Environmental Toxicology and Chemistry*, PFAS Special Issue, 40:564-605.

East, A.G., Anderson, R.H., **Salice, C.J.** 2021. Prioritizing PFAS and PFAS mixtures for ecotoxicity testing and ecological risk assessment near current and former U.S. Air Force Bases. *Environmental Toxicology and Chemistry*, PFAS Special Issue, 40:871-882.

\*Dennis, N.M., Subbiah, S., Karnjanapiboonwong, A., Dennis, M.L., McCarthy, C., **Salice, C.J.**, Anderson, T.A. 2021. Chronic avian toxicity reference values for perfluorooctane sulfonate (PFOS) and a binary mixture of PFOS and perfluorohexane sulfonate. *Environmental Toxicology and Chemistry*, PFAS Special Issue, 40:899-909.

Suski, J.G., **Salice, C.J.**, Chanov, M.K., Ayers, J., Rewerts, J.N., Field, J.A. 2021. Sensitivity and accumulation of perfluorooctanesulfonate (PFOS) and perfluorohexanesulfonic acid (PFHxS) in fathead minnows (*Pimephales promelas*) exposed over critical life-stages of reproduction and development. *Environmental Toxicology and Chemistry*, PFAS Special Issue, 40:811-819.

## 2020

Weir, S.M., **Salice, C.J.** 2020. Investigating potential toxic effects of pollutants on population growth rate and extinction risk of a representative squamate reptile. *Ecotoxicology*, 30:175-186.

\*Woo, T.J., East, A.G., **Salice, C.J.** 2020. Interspecific interactions affect outcomes of pulse toxicity at different *Daphnia magna* population phases. *Environmental Pollution*, 267.

- \*Green, F., **Salice, C.J.** 2020. Increased temperature and lower resource quality exacerbate chloride toxicity to larval *Lithobates sylvaticus* (wood frog). *Environmental Pollution*, 266.
- \*Dennis, N.M., Karnjanapiboonwong, A., Subbiah, S., Rewerts, J.N., Field, J.A., McCarthy, C., **Salice, C.J.**, Anderson, T.E. 2020. Chronic reproductive toxicity of perfluorooctane sulfonic acid and a simple mixture of perfluorooctane sulfonic acid and perfluorohexane sulfonic acid to Northern bobwhite quail (*Colinus virginianus*). *Environmental Toxicology and Chemistry* 39(5):1101-1111.
- \*Rewerts, J.N., Christie, E.C., Robel, A.E., Anderson, T.E., McCarthy, C., **Salice, C.J.**, Field, Jennifer, A. 2020. Key considerations for accurate exposures in ecotoxicological assessments of perfluorinated carboxylates and sulfonates. *Environmental Toxicology and Chemistry* <https://doi.org/10.1002/etc.4667>.

### 2019

- \*Dawson, D.E., **Salice, C.J.**, Subbiah, S. 2019. The efficacy of the *Bacillus thuringiensis israelensis* larvicide against *Culex tarsalis* in municipal wastewater and water from natural wetlands. *Journal of the American Mosquito Control Association* 35(2):97-106.
- \*Green, F.B., East, A., **Salice, C.J.** 2019. Will temperature increases associated with climate change potentiate environmentally relevant concentrations of chloride to larval green frogs (*Lithobates clamitans*)? *Science of the Total Environment*. In press, online.
- Galic N., **Salice C.J.**, Birnir B., Bruins R.J.F., Ducrot V., Jager H.I., Kanarek A., Pastorok R., Rebarber R., Thorbek P., Forbes V.E. 2019. Predicting impacts of chemicals from organisms to ecosystem service delivery: A case study of insecticide impacts on a freshwater lake. *Science of the Total Environment* 682(10):426-436.
- \*Dawson, D.E., **Salice, C.J.**, Dacko, N.M., Kurian, A.K. 2019. A model of *Culex quinquefasciatus* abundance constructed using routine surveillance and treatment data in Tarrant County, TX. *Journal of the American Mosquito Control Association* 35(1):1-10.
- Forbes V.E., Railsback S., Accolla C., Birnir, B., Bruins R.J.F., Ducrot V., Galic N., Garber K., Harvey B.C., Jager H.I., Kanarek A., Pastorok R., Rebarber R., Thorbek P., **Salice C.J.** 2019. Predicting impacts of chemicals from organisms to ecosystem service delivery: A case study of endocrine disruptor effect on trout. *Science of the Total Environment* 469(1):949-959.

### 2018

- \*Bird D. L., Groffman P. M., **Salice C. J.**, Moore J. 2018. Steady-state land cover but non-steady-state major ion chemistry in urban streams. *Environmental Science & Technology*. 52: 13015–13026.

\*Fidder, B.N., \*Reátegui-Zirena, E.G., **Salice, C.J.** 2018. Diet quality affects chemical tolerance in the freshwater snail, *Lymnaea stagnalis*. *Environmental Toxicology and Chemistry* 37(4):1158-1167.

**Salice, C.J.**, Anderson, T.A., Olson, A., Anderson, R.H. 2018. Ecological risk assessment of perfluorooctane sulfonate (PFOS) to aquatic fauna from a bayou located on Barksdale Air Force Base, Louisiana. *Environmental Toxicology and Chemistry* 37(8):2198-2209.

\*Reátegui-Zirena, E.G., \*Fidder, B.N., **Salice, C.J.** 2018. Parental diet affects embryogenesis of the great pond snail, *Lymnaea stagnalis*, exposed to cadmium, pyraclostrobin and tributyltin. *Environmental Toxicology and Chemistry* 37(9):2428-2438.

## 2017

Suski, J.G., Swan, C., Wahl, C., **Salice, C.J.** 2017. Effects of pond management on biodiversity patterns of zooplankton communities in urban environments”. *Science of the Total Environment* 619-620:1441-1450.

Rohr, J.R., **Salice, C.J.**, Nisbet, R.M. 2017. Chemical safety must extend to ecosystems. *Science* 356(6341):917.

\*Bolyard, K., Gresens, S.E., Ricko, A.N., Sivey, J.D., **Salice, C.J.** 2017. Assessing the toxicity of the “inert” safener benoxacor toward *Chironomus riparius*: Effects of agrochemical mixtures. *Environmental Toxicology and Chemistry* 36(10):2660-2670.

\*Woo, T.J. and **Salice, C.J.** 2017. Timing is everything: Pulsed versus constant exposures in assessing effects of road salt on aquatic organisms. *Integrated Environmental Assessment and Management* 13(4):792-794.

\*Lanza, H., \*Cochran, R.S., Mudge, J.F., \*Olson, A.D., Blackwell, B.R., Maul, J.D., **Salice, C.J.**, and Anderson, T.A. 2017. Temporal monitoring of PFOS accumulation in aquatic biota downstream of historical aqueous film forming foam use areas. *Environmental Toxicology and Chemistry* 36(8):2022-2029.

\*Reátegui-Zirena, E.G., \*Fidder, B.N., Olson, A.D., Dawson, D.E., Bilbo, T.R., and **Salice, C.J.** 2017. Transgenerational endpoints provide increases sensitivity and insight into multigenerational responses of *Lymnaea stagnalis* exposed to cadmium. *Environmental Pollution* 224:572-580.

\*Reátegui-Zirena, E.G., \*French, A.D., Klein, D.M., **Salice, C.J.** 2017. Cadmium compartmentalization in the pulmonate snail *Lymnaea stagnalis*: improving our understanding of exposure and toxicity. *Archives of Environmental Contamination and Toxicology* 72(4):575-585.

\*Anderson, W.M., Wester, D.B., **Salice, C.J.**, and Perry, G. 2017. Habitat utilization by the Texas Horned Lizard (*Phrynosoma cornutum*) from two sites in central Texas. *Journal of North American Herpetology* (1):28-33.



Forbes, V.E., **Salice, C.J.**, Birnir, B., Bruins, R.J.F., Calow, P., Ducrot, V., Galic, N., Garber, K., Harvey, B.C., Jager, H., Kanarek, A., Pastorok, R., Railsback, S.F., Rebarber, R., Thorbek, P. 2017. A framework for predicting impacts on Ecosystem Services from (sub)organismal responses to chemicals. *Environmental Toxicology and Chemistry* 36(4):845-859.

Johnson, M.S., Aube, C., **Salice, C.J.**, Leigh, K.B., Liu, E., Pott, U., Pillar, D. 2017. A review of ecological risk assessment methods for amphibians: comparative assessment of testing methodologies and available data. *Integrated Environmental Assessment and Management* 13(4):601-613.

## 2016

\*Reátegui-Zirena, E.G., \*Fidder, B.N., **Salice, C.J.** A cost or a benefit? Counterintuitive effects of diet quality and cadmium in *Lymnaea stagnalis*. *Ecotoxicology* 25(10):1771-1781.

\*Duncan, N., S. Kahl, S. Gray, **C.J. Salice**, R. Stevens. Pronghorn habitat suitability in the Texas Panhandle. *Journal of Wildlife Management* 80(8):1471-1478.

Rohr, J., **C.J. Salice**, and R.M. Nisbet. 2016. The pros and cons of ecological risk assessment at different levels of biological organization. *Critical Reviews in Toxicology*.

Weir, S.M., Yu, S., Knox, A., Talent, L.G., Monks, J.M., and **Salice, C.J.** 2016. Acute toxicity and risk to lizards of rodenticides and herbicides commonly used in New Zealand. *New Zealand Journal of Ecology* 40(3).

\*Fidder, B.N., \*Reategui-Zirena, E., \*Olson, A.D., and **Salice, C.J.** 2016. Energetic endpoints provide early indicators of life history effects in a gastropod exposed to the fungicide, pyraclostrobin. *Environmental Pollution* 211:183-190.

\*Weir, S.M., Talent, L.G., Anderson, T.A., and **Salice, C.J.** 2016. Insights into reptile dermal contaminant exposure: Reptile skin permeability to pesticides. *Chemosphere* 154:17-22.

\*Weir, S.M., \*\*Knox, A., Talent, L.G., Anderson, T.A., and **Salice, C.J.** 2016. Direct and indirect effects of petroleum production activities on the Western fence lizard (*Sceloporus occidentalis*) as a surrogate for the dunes sagebrush lizard (*Sceloporus arenicolus*). *Environmental Toxicology and Chemistry* 35(5):1276-1283.

\*\*COVER ARTICLE\*\*

Weir, S.M., Scott, D.E., **Salice, C.J.**, Lance, S.L. 2016. Integrating copper toxicity and climate change to understand extinction risk to two species of pond breeding anurans. *Ecological Applications* DOI: 10.1002/15-1082

## 2015

- \*Kimberly, D.A. and **Salice, C.J.** 2015. Multigenerational contaminant exposures produce non-monotonic, transgenerational responses in *Daphnia magna*. *Environmental Pollution* 207:176-182.
- Sivey, J.D., Lehmler, H-J., **Salice, C.J.**, Ricko, A.N., and Cwiertny, D.M. 2015. Environmental fate and effects of dichloroacetamide herbicide safeners: “Inert” yet biologically active agrochemical ingredients. *Environmental Science and Technology Letters* 2(1):260-269.
- Kimberly, D.A. and **C.J. Salice**. 2015. Evolutionary responses to climate change and contaminants: evidence and experimental approaches. *Current Zoology* 61 (4): 690–701.
- \*Luna, T.O., \*S.C. Plautz, and **C.J. Salice**. 2015. Chronic effects of 17(alpha)-ethinylestradiol, fluoxetine, and the mixture on individual and population-level endpoints in *Daphnia magna*. *Archives of Environmental Contamination and Toxicology* 68:603-611.
- Forbes, V. Brain, R., Edwards, D., Galic, N., Hall, T., Honeggar J., Meyer, C., Moore, D., Nacci, D., Pastorok, R., Preuss, T., Railsback, S., **Salice, C.**, Sibly, R., Tenhumberg, B., Thorbek, P., Wang, M. 2015. Assessing pesticide risks to threatened and endangered species using population models: Findings and recommendations from a CropLife America Science Forum. *Integrated Environmental Assessment and Management* 11(3):348-354.
- Boone, M.D., C.A. Bishop, L.A. Boswell, R.D. Brodman, J. Burger, C. Davidson, M. Gochfeld, J.T. Hoverman, L.A. Neuman-Lee, R.A. Relyea, J.R. Rohr, **C. Salice**, R.D. Semlitsch, D. Spartling, and S. Weir. 2014. Pesticide regulation amid the influence of industry. *Bioscience* DOI: 10.1093/biosci/biu138.
- \*Weir, S.M., \*Shuangying, Y., Talent, L.G., Maul, J.D., Anderson, T.A. and **Salice, C.J.** 2015. Improving reptile ecological risk assessment: Oral and dermal toxicity of pesticides to a common lizard species (*Sceloporus occidentalis*). *Environmental Toxicology and Chemistry* 34(8)1778-1786.

## 2014

- \*Kimberly, D.A. and **C.J. Salice**. 2014. If you could turn back time: Understanding transgenerational latent effects of developmental exposure to environmental contaminants. *Environmental Pollution* 184:419-425.
- \*Weir, S.M., T.A. Anderson, L.G. Talent, and C.J. Salice. Unraveling the relative importance of oral and dermal contaminant exposure in reptiles: insights from studies using the Western fence lizard (*Sceloporus occidentalis*). *PLoS ONE* DOI: 10.1371/journal.pone.0099666.
- Salice, C.J.**, C.L. Rowe, and K.M. Eisenreich. 2014. Integrative demographic modeling reveals population level impacts of PCB toxicity to juvenile snapping turtles. *Environmental Pollution* 184:154-160.

\*Weir, S.M., \*K. Wooten, P.N. Smith, and **C.J. Salice**. 2014. Phthalate ester leachates in aquatic mesocosms: implications for ecotoxicity studies of endocrine disrupting compounds. *Chemosphere* 103:44-50.

\*Erickson, R.A., S.B. Cox, \*J.L. Oates, T.A. Anderson, **C.J. Salice**, and K.R. Long. 2014. A *Daphnia* population model that considers pesticide exposure and demographic stochasticity. *Ecological Modelling* 275:37-47.

## 2013

\*Luna, T.O., \*S.C. Plautz, and **C.J. Salice**. 2013. Effects of 17-alpha-ethynylestradiol, fluoxetine on life history traits and population-level endpoints in a freshwater gastropod. *Environmental Toxicology and Chemistry* 32(12):2771-2778.

\*Beaty, L.E. and **C.J. Salice**. 2013 Size matters: Insights from an allometric approach to evaluate control methods for invasive Australian *Rhinella marina*. *Ecological Applications* 23(7):1544-1553.

\*Plautz, S.C., \*M.A. Funkhouser and **C.J. Salice**. 2013. New Insights into parental effects and toxicity: Mate availability and diet in the parental environment affect offspring responses to contaminants. *Environmental Pollution* 180:41-47.

Anderson, T.A., **C.J. Salice**, \*R.A. Erickson, S.T. McMurry, S.B. Cox, and L.M. Smith. 2013. Effects of land use and precipitation on pesticides and water quality in playa lakes of the Southern High Plains. *Chemosphere* 92(1):84-90.

\*Weir, S.M., M. Dobrovolny, C. Torres, M. Goode, T.R. Rainwater, **C.J. Salice**, and T.A. Anderson. 2013. Organochlorine pesticides in squamate reptiles from southern Arizona USA. *Bulletin of Environmental Contamination and Toxicology* 90:654-659.

\*Plautz, S.C. and **C.J. Salice**. 2013. Plasticity in offspring contaminant tolerance traits: developmental cadmium exposure trumps parental effects. *Ecotoxicology* 22(5):847-853.

\*Kimberly D.A. and **C.J. Salice**. 2013. Interactive effects of contaminants and climate-related stressors: high temperature increases sensitivity to cadmium. *Environmental Toxicology and Chemistry* 32(6):1337-1343.

\*Plautz, S.C., \*\*T. Guest, \*M.A. Funkhouser, and **C.J. Salice**. 2013. Transgenerational cross-tolerance to stress: parental exposure to predators increases offspring cadmium tolerance. *Ecotoxicology*. 22(5):854-861.

**Salice, C.J.** and \*D.A. Kimberly. 2013. Environmentally relevant concentrations of a common insecticide increase predation risk in a freshwater snail. *Ecotoxicology* 22:42-49.

## 2012

- \*Weir, S.M., \*Y. Shuangying and **C.J. Salice**. 2012. Acute toxicity of herbicide formulations and chronic toxicity of technical-grade trifluralin to larval green frogs (*Lithobates clamitans*). *Environmental Toxicology and Chemistry* 31(9):2029-2034.
- \*Suski, J.G., **C.J. Salice** and R. Patino. 2012. Species-specific and transgenerational responses to increasing salinity in sympatric freshwater gastropods. *Environmental Toxicology and Chemistry* 31(11):2517-2524.
- Salice, C.J.**, C.L. Rowe, C.L., J.H.K. Pechman, and W.A. Hopkins. 2012. Multiple stressors and complex life cycles: insights from a demographic analysis of breeding site contamination and terrestrial habitat loss in an amphibian. *FrogLog* (abstract).
- \*Kimberly, D.A. and **C.J. Salice**. 2012. Understanding the interactive effects of climate change and toxicants: importance of evolutionary processes. *Integrated Environmental Assessment and Management* 8(2):385-386.
- \*Kimberly, D.A. and **C.J. Salice**. 2012. Dietary acclimation affects dietary selection in the freshwater gastropod, *Planorbella trivolvis*. *Journal of Molluscan Studies* 78(3):256-261.
- Salice, C.J.** 2012. Multiple stressors and amphibians: contributions of adverse health effects and altered hydroperiod to population decline and extinction. *Journal of Herpetology* 46(6):675-681.
- \*Weir, S.M. and C.J. Salice. 2012. High tolerance to abiotic stressors and invasion success of the slow growing freshwater snail, *Melanoides tuberculatus*. *Biological Invasions* 14(2):385-394.

## 2011

- \*Plautz, S.C. and **C.J. Salice**. 2011. Does social facilitation affect responses to natural and anthropogenic stressors in the freshwater snail, *Planorbella trivolvis*? *Environmental Toxicology and Chemistry* 30(12):2883-2887.
- Salice, C.J.** and \*S.C. Plautz. 2011. Predator-induced defenses in offspring of laboratory and wild-caught snails: prey history affects prey response. *Evolutionary Ecology Research* 13:373-386.
- Salice, C.J.**, B.E. Sample, R.E. Miller, S.E. Sable, and K.A. Rose. 2011. Evaluation of alternative PCB clean-up strategies using an individual-based population model of mink. *Environmental Pollution* 159:3334-3343.
- Salice, C.J.**, C.L. Rowe, C.L., J.H.K. Pechman, and W.A. Hopkins. 2011. Multiple stressors and complex life cycles: insights from a demographic analysis of breeding site contamination and terrestrial habitat loss in an amphibian. *Environmental Toxicology and Chemistry* 30(12):2874-2882.

**Salice, C.J.** and \*S.M. Weir. 2011. Non-dietary routes of contaminant exposure: not just for the birds. Response to Mineau (2011). *Integrated Environmental Assessment and Management: Learned Discourse* 7(4):687-688.

\*Weir, S.M and **C.J. Salice**. 2011. Managing the risk of invasive species: how well do functional traits determine invasion strategy and success? Invited submission: *Integrated Environmental Assessment and Management: Learned Discourse* 7(2):299-300.

\*Brausch, J.M, and C.J. Salice. 2011. Effects of an environmentally realistic pesticide mixture on *Daphnia magna* exposed for two generations. *Archives of Environmental Contamination and Toxicology* 61(2):272-279.

### 2010

\*Weir, S.M., J.G. Suski, and **C.J. Salice**. 2010. Ecological risks of anthropogenic pollutants to reptiles: Evaluating assumptions of sensitivity and exposure. *Environmental Pollution* 158(12):3596-3606.

**Salice, C.J.**, T.A. Anderson, and G. Roesijadi. 2010. Adaptive responses and latent costs of multi-generation cadmium exposure in parasite resistant and susceptible snails. *Ecotoxicology* 19(8): 1466-1475.

### 2009

**Salice, C.J.**, J.G. Suski, L.G. Talent, and M.A. Bazar. 2009. Effects of Inorganic Lead on the Western Fence Lizard, *Sceloporus occidentalis*. *Environmental Pollution*: 157: 3457-3464.

\*Karnjanapiboonwong, A., B. Zhang, C.M. Freitag, **C.J. Salice**, P.N. Smith, R.J. Kendall, and T.A. Anderson. 2009. Reproductive toxicity of 2,4,6-trinitrotoluene (TNT) and its metabolites to the cricket, *Acheta domesticus*. *Science of the Total Environment*: 407:5046-5049.

**Salice, C.J.**, T.J. Miller and G. Roesijadi. 2009. Multi-generation cadmium exposure: demographic effects in a freshwater gastropod. *Archives of Environmental Contamination and Toxicology* 56(4):785-795.

### 2008

Suski, J.G., **C.J. Salice**, M. Bazar, and L.G. Talent. 2008. Dose-related effects following oral exposure of 2,4-dinitrotoluene on the Western Fence Lizard, *Sceloporus occidentalis*. *Environmental Toxicology and Chemistry* 27(2): 352-359.

2006

Paulus, B.F., M.A. Bazar, **C.J. Salice**, D.R. Mattie and M.A. Major. 2006. Perchlorate inhibition of iodide uptake in normal and iodine-deficient rats. *Journal of Toxicology and Environmental Health* 70(13): 1142-1149.

- 2005

Johnson, M.J., M.W. Michie, M.A. Bazar, R.M. Gogal and **C.J. Salice**. 2005. Responses to oral 2,4,6-trinitrotoluene (TNT) exposure in the common pigeon (*Columba livia*): a phylogenetic and methodological comparison. *Archives of Environmental Contamination and Toxicology* 24(4): 221-229.

Johnson, M.J., H.I. Paulus, **C.J. Salice**, R.T. Checkai and M. Simini. 2004. Toxicological and histopathological response of the terrestrial salamander *Plethodon cinereus* to soil exposures of 1,3,5-trinitrohexahydro-1,3,5-triazine (RDX). *Archives of Environmental Contamination and Toxicology* 47(4): 496-501.

**Salice, C.J.** and T.J. Miller. 2003. Population-level responses to long-term cadmium exposure in two strains of the freshwater gastropod *Biomphalaria glabrata*: Results from a life-table response experiment (LTRE). *Environmental Toxicol. Chem.* Vol. 22 (3): 678-688.

Gogal, R.M., M.S. Johnson, C.T. Larsen, M.R. Prater, R.B. Duncan, D.L. Ward, R.B. Lee, **C.J. Salice**, B. Jortner, and S.D. Holladay. 2003. Dietary oral exposure to 1,3,5-trinitro-1,3,5-triazine in the Northern Bobwhite (*Colinus virginianus*). *Environmental Toxicol. Chem.* Vol. 22 (2): 381-387.

**Salice, C.J.** and G. Roesijadi. 2002. Resistance to cadmium and parasite infection are inversely related in two strains of a freshwater gastropod. *Environmental Toxicology and Chemistry* 21(7): 1398-1403.

**Salice, C.J.**, J.S. Rokous, A.S. Kane and R. Reimsschuessl. 2001 New Nephron development in goldfish (*Carassius auratus*) kidneys following repeated gentamicin-induced nephrotoxicosis. *Comparative Medicine* 50(1): 56-59.

Penick, D.N., J.R. Spotila, M.P. O'Connor, A.J. Steyermark, B. George, **C.J. Salice**, and F. Paladino. 1998. Thermal independence of muscle tissue metabolism in the leatherback turtle, *Dermochelys coriacea*. *Comp. Biochem. Physiol. A*, 120(3): 399-403.

Ruby, D.E., L.C. Zimmerman, S.J. Bulova, **C.J. Salice**, M.P. O'Connor, and J. R. Spotila. 1994. Behavioral responses and time allocation differences in Desert Tortoises exposed to environmental stress in semi-natural enclosures. *Herpetological Monographs*, 8: 27-44.

Zimmerman, L.C., M.P. O'Connor, S.J. Bulova, J.R. Spotila, S.J. Kemp and **C.J. Salice**. 1994. Thermal ecology of Desert Tortoises in the eastern Mojave Desert: seasonal patterns of operative and body temperatures and microhabitat utilization. *Herpetological Monographs*, 8: 45-59.

## BOOK CHAPTERS:

7. Weir, S.M., Youssif, M.R., Anderson, T., **Salice, C.J.** 2023. Current Progress in Developing Standardized Methods for Reptilian Toxicity Testing to Inform Ecological Risk Assessment. In G.E. Liwszyc and M.L. Larramendy, etc. Issues in Toxicology No. 45. Bird and Reptile Species in Environmental Risk Assessment Strategies. Royal Society of Chemistry.
6. **Salice, C.J.**, \*Dawson, D.E., and Weir, S.M. 2015. Challenges and Paths Forward in Predicting Risk of Vector Borne Diseases: from Mechanistic to Rule-based Modeling Frameworks. In Kendall, R.J., Presley, S.J., Ramkumar, S., eds. New Developments in Biological and Chemical Terrorism Countermeasures. CRC Press Taylor and Francis Group.
5. Williams, M.A., **Salice, C.J.**, and Reddy, G. 2015. Wildlife Toxicity Assessment for Benzo[a]Pyrene. In Williams, M.A., Reddy, G., Quinn, M.J., and Johnson, M.S., eds. Wildlife Toxicity Assessments for Chemicals of Military Concern. Elsevier, Oxford, United Kingdom.
4. **Salice, C.J.** 2010. Ecological Risk Assessment and Emerging Issues in Wildlife Toxicology. In Kendall, R.J., S.B. Cox, T.E. Lacher, and G.W. Cobb, eds. Wildlife Toxicology: Emerging Contaminants and Biodiversity Issues. Taylor and Francis, Boca Raton, FL.
3. Kendall, R.J., T.A. Anderson, G.P. Cobb, S.B. Cox, L. Hannah, T.E. Lacher, S.M. Presley, **C.J. Salice**, and P.N. Smith. 2010. Looking Forward: The global future of wildlife toxicology. In Kendall, R.J., S.B. Cox, T.E. Lacher, and G.W. Cobb, eds. Wildlife Toxicology: Emerging Contaminants and Biodiversity Issues. Taylor and Francis, Boca Raton, FL.
2. Johnson, M.S., **C.J. Salice**. 2009. Toxicity of Energetic Compounds to Wildlife Species. In Sunahara, G., G. Lotufo, J. Hawari, R. Kuperman, eds. Ecotoxicology of Explosives. Taylor and Francis, Boca Raton, FL.
1. Johnson, M.S., **C.J. Salice**, B.E. Sample, and P.Y. Robidoux. 2009. Bioconcentration, Bioaccumulation, and Biomagnification of Nitroaromatic and Nitramine Explosives in Terrestrial Systems. In Sunahara, G., G. Lotufo, J. Hawari, R. Kuperman, eds. Ecotoxicology of Explosives. Taylor and Francis, Boca Raton, FL.

## SELECTED REPORTS AND ECOLOGICAL ASSESSMENTS:

23. **Salice, C.J.**, Suski, J.G., 2021. Draft Report on Temporal Trends of Iron in Streams and Effects to Stream Communities. Submitted to Chesapeake Bay Trust (CBT).
22. Suski, J.G., **C.J. Salice**. 2020. Investigating Potential Risk to Threatened and Endangered Species from Per- and Polyfluoroalkyl Substances (PFAS) on Department of Defense Sites. Submitted to The Strategic Environmental Research and Development Program (SERDP).

21. **Salice, C.J.**, T.A. Anderson, R. Anderson. 2016. Exposure and Ecological Risk Assessment of PFASs in Cooper Bayou at Barksdale Air Force Base, LA. Submitted to U.S. Air Force.
20. **Salice, C.J.**, T.A. Anderson, R.J. Baker. 2011. Review of the relevant factors that are the basis for the proposed listing of the Dunes Sagebrush Lizard as an Endangered Species. Permian Basin Petroleum Association.
19. **Salice, C.J.**, T.A. Anderson. 2011. Summary of research finding regarding potential risks to the Dunes Sagebrush Lizard. Permian Basin Petroleum Association.
18. **Salice, C.J.** 2008. Impact of newly submitted avian toxicity studies on the outcome of the Agency's avian probabilistic model. USEPA/OPP/EFED
17. **Salice, C.J.**, G. Orrick. 2007. Environmental Fate and Ecological Risk Assessment for the Proposed New Uses of Propyzamide on Chicory, Belgian Endive, Dandelion Leaves, and Berries in Berry Group 13. USEPA/OPP/EFED.
16. **Salice, C.J.** 2007. Transmittal of Section 18 for Granular Etofenprox to Control Rice Water Weevil in Texas. USEPA/OPP/EFED.
15. **Salice, C.J.** 2006. Memo addressing drinking water assessment and ecological risk assessment for proposed new uses of boscalid on stone/pome fruits and Belgian endive. USEPA/OPP/EFED.
14. **Salice, C.J.**, G. Orrick. 2006. Environmental Fate and Ecological Risk Assessment for the Registration of Orthosulfamuron. Ecological Risk Assessment for the IR-4 New Use of Kresoxim-methyl on Cucurbit Vegetables.
13. **Salice, C.J.**, C. Sutton, R. Kashuba. 2006. Ecological Risk Assessment for the IR-4 New Use of Kresoxim-methyl on Cucurbit Vegetables. USEPA/OPP/EFED.
12. Fite, E., D. Randall, D. Young, E. Odenkirchen, **C.J. Salice**. 2006. Reregistration eligibility science chapter for Carbofuran: Environmental Fate and Effects Chapter. USEPA/OPP/EFED.
11. Kashuba, R., **C.J. Salice**. 2006. Environmental Fate and Ecological Risk Assessment for Prothioconazole. USEPA/OPP/EFED.
10. **Salice, C.J.** 2006. Section 18 for granular carbofuran to control rice water weevil in Louisiana. USEPA/OPP/EFED.
9. Sutton, C., K. Costello, J. Ravenscroft, **C.J. Salice**. 2005. Environmental fate and ecological risk assessment for the reregistration of DCNA (dicloran). USEPA/OPP/EFED.
8. **Salice, C.J.** 2005. Risk Assessment for Proposed Use of Boscalid on Leafy Vegetables, Spinach, and Celery and as a Seed Treatment for Brassicas, Bulb Vegetables, Cucurbits, Legume Vegetables, Peanut and Sunflower. USEPA/OPP/EFED.
7. **Salice, C.J.**, M. Echeverria. 2005. Level I Screening Ecological Risk Assessment for the Reregistration of Dodine. USEPA/OPP/EFED.



6. Major, M.A., M.S. Johnson, and **C.J. Salice**. 2002. Bioconcentration, Bioaccumulation, and Biomagnification of Nitroaromatic and Nitramine Explosives and their Breakdown Products. Toxicology Study No. 87-MA-4677-01.
5. **Salice, C.J.** and G. Holdsworth. 2002. Wildlife Toxicity Assessment for 1,3,5-Trinitrohexahydro-1,3,5-Triazine (RDX). Health Effects Research Program, USACHPPM.
4. **Salice, C.J.** and G. Holdsworth. 2002. Wildlife Toxicity Assessment for N-Methyl-N, 2,4,6-Tetranitroaniline (Tetryl). Health Effects Research Program, USACHPPM.
3. **Salice, C.J.** and G. Holdsworth. 2001. Wildlife Toxicity Assessment for 1,3,5-Trinitrobenzene (1,3,5-TNB). Health Effects Research Program, USACHPPM.
2. **Salice, C.J.** and G. Holdsworth. 2001. Wildlife Toxicity Assessment for 1,3-Dinitrobenzene (1,3-DNB). Health Effects Research Program, USACHPPM.
1. **Salice, C.J.**, H.T. Bausum and M.S. Johnson. 2001. Toxicity Information/Database for Range-Specific Substances. Toxicology Study No. 87-MA-6943-01.

#### **INVITED SEMINARS:**

*Invited Presenter: April 2024: Toxic Contaminants Workgroup: PFAS Associated with AFFF Sites: What have we learned with respect to exposure, toxicity, and bioaccumulation?*

*Invited Presenter, REMTECH Europe: September 20, 2023: PFAS Bioaccumulation in Fish.*

*Invited Presenter, 2022 Utility Conference: October 25, 2022: Overview of Environmental Exposures and Risk of PFAS.*

*Invited Presenter SERDP ESTCP Webinar Series: May 5, 2022: Predictive and Modeling Tools for Improved Assessments of PFAS Environmental Risks: PFAS Bioaccumulation in Fish.*

*December 2021: Overview of PFAS: Context, Challenges, and Risk to Aquatic Systems. Maryland Water Monitoring Council Annual Conference, Virtual.*

*October 2021: PFAS Ecotoxicology: Context, Overview, Paths Forward. FLUOROS 2021, An International Symposium on Fluorinated Compounds and their Impacts on Human and Environmental Health. Virtual and Providence, RI.*

*June 2020: An Introduction to PFAS in the Environment: Of Concern to Marylanders? Invited seminar for the Patuxent River Commission.*

*October 2019: Are PFAS THE Global Environmental Contaminant of Our Times? Invited seminar for Science for Citizens outreach program at the Chesapeake Biological Laboratory, Solomons, MD.*

*August 2019:* A Survey of PFAS Environmental Occurrence, Concentrations, and Effects on Wildlife. Invited speaker and panelist for SETAC Workshop on Environmental Risk Assessment of PFAS, Durham, NC.

*March 2018:* Prioritizing Per- and Polyfluoroalkyl Substance Mixtures and Sites for Focused Ecotoxicology, Risk Assessment, and Risk Communication. Invited to be Session Keynote Platform Presentation, Emerging Contaminants Summit, Westminster, CO.

*November 2017:* Linking Organism-Level Effects of Chemical Stressors to Effects on Ecosystem Services: A Case Study of a Chemically Impacted Reservoir. Invited to Session on Ecosystem Services in Ecotoxicology and Risk Assessment, Annual Meeting of the Society of Environmental Toxicology and Chemistry, Minneapolis, MN.

*March 2016:* Climbing the Slippery Slope: Predictive Ecotoxicology in the Age of the Anthropocene. George Mason Biology Department, VA.

*February 2015:* Ecological Risk Assessment of Aquatic PFAS Exposure at Barksdale AFB. Emerging Contaminants Summit, Westminster, CO.

*February 2015:* Climbing the Slippery Slope: Predictive Ecotoxicology and Risk Assessment in a Complex Environment. USGS Patuxent Wildlife Refuge, Laurel, MD.

*November 2014:* Salice, C.J., A.E. East, A. Olson, B. Perkins, E. Reategui-Zirena. 2014. A bioenergetic-based model to identify and understand the effects of pesticides on ground nesting birds. 35<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Vancouver, Canada.

*October 2014:* Risky business: predicting ecological effects of anthropogenic stressors. University of Maryland, Chesapeake Biological Laboratory, Solomons, MD.

*April 2014:* Population models in estimating risk of pesticides to amphibians. CropLife America Workshop on Population Models in Endangered Species Risk Assessment, Wash., D.C.

*December 2013:* Risky business: predicting ecological effects of anthropogenic stressors. University of Connecticut, Department of Natural Resources, Storrs, CN.

*November 2013:* Risky business: predicting ecological effects of anthropogenic stressors. Towson University, Department of Biology, Towson, MD.

*April 2013:* An elusive problem...Studying, understanding and predicting pollutant effects on herpetofauna. Texas Tech University, Department of Natural Resources, Lubbock, TX.

*January 2013.* Ecotoxicity in an ecological context. West Texas A&M University. Canyon, TX.

*June 2012.* Towards an eco-evolutionary framework for understanding effects of anthropogenic stressors. Savannah River Ecology Laboratory, Aiken, SC.

*November 2011.* A near perfect storm: the interactive effects of climate variability and chemical pollutants on amphibian population dynamics. Stratus Consulting. Boulder, CO.

- August 2011.* Advances in population-level ecological risk assessment. The Tri-Services Ecological Risk Assessment Working Group (TSERAWG). San Antonio, TX.
- April 2011.* Developing and eco-evolutionary framework for understanding effects of anthropogenic stressors. Center for Reservoir and Aquatic Systems Educational Resources, Baylor University, Waco, TX.
- April 2011.* Ecotoxicology and Applied Ecology: Issues in Texas. Undergraduate Research Symposium: Doorways to Graduate Careers. Llano River Field Station, Junction, Texas.
- October 2010.* Die hard or not: Eco-evolutionary responses to anthropogenic pollutants. University of Connecticut, Department of Natural Resources and the Environment.
- November 2010.* A near perfect storm? Using population models to understand the interactive effects of climate variability and chemical pollutants on amphibians. Society of Environmental Toxicology and Chemistry, Special Symposium: Advancing Population-Level ERA. Port., OR.
- April 2010.* What do ecology, evolution and the EPA have in common? Very little...for now. Miami University of Ohio, Department of Zoology, Oxford, OH.
- November 2009.* What do ecology, evolution and the EPA have in common? Very little...for now. Texas Tech University, Department of Biology, Lubbock, TX.
- October 2009.* Ecology and evolution in regulating contaminants: a path forward or wishful thinking? Texas Tech University, Department of Natural Resource Management, Lubbock, TX.
- January 2009.* Effects of multiple anthropogenic stressors on amphibians: insights from a population-level analysis of the narrow mouth toad. Drexel University, Department of Biology, Philadelphia, PA.
- March 2009.* Amphibian life history and population modeling: What can we learn about extinction risk? Texas Tech University, Math Dept., Biomathematics Seminar, Lubbock, TX.

#### **CONFERENCE PRESENTATIONS (since 2000):**

170. Kraskura, K. Brown, A., Salice, C.J. (2023) Predicting PFAS bioaccumulation in a complex assemblage of freshwater fish: do we need to consider fish physiology and ecology? Poster. 44<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Louisville, KY. Poster. 44<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Louisville, KY.
169. Brown, A.S. and Salice, C.J. (2023) Spatial and temporal variability of per- and polyfluoroalkyl substances (PFAS) in environmental media and biota along an AFFF-impacted stream.

168. Gaesser, M.E. and Salice, C.J. Unintended consequences of stream restoration: Iron ecotoxicity in regenerative stream-water conveyance systems. Poster. 44<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Louisville, KY.
167. Odean, L., Anderson, T.S., Salice, C.J. (2023) Ecotoxicity of fluorine-free foams to brown anoles (*Anolis sagrei*). Poster. 44<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Louisville, KY.
166. Anderson, T.S. and Salice, C.J. (2023) Dietary exposure and toxicity of per- and polyfluoroalkyl substances (PFAS) using representative invertebrate and reptilian species. Poster. 44<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Louisville, KY.
165. Lanasa, S.A., Suski, J.G., Salice, C.J., Chanov, M.K., Anderson, T.A. (2023) PFAS mixture and full life-cycle exposures to fathead minnows. Poster. 44<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Louisville, KY.
164. Salice, C.J. and Suski, J.G. (2022) Why and how we should sample biota at PFAS-contaminated sites in support of human and ecological risk assessment. Platform. 43<sup>rd</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Pittsburgh, PA.
163. Conner, A. and Salice, C.J. (2022) Urban vs rural amphibians: comparing health, abundance, and chemical contaminants. Poster. 43<sup>rd</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Pittsburgh, PA.
162. Gaesser, M., Lanasa, S., Salice, C.J. (2022) Ecological effects of iron in non-restored and regenerative stream-water conveyance systems. Poster. 43<sup>rd</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Pittsburgh, PA.
161. Anderson, T.S. and Salice, C.J. (2022) Assessing the ecotoxicity of fluorine-free foams to house crickets (*Acheta domesticus*) via a novel exposure system. Poster. 43<sup>rd</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Pittsburgh, PA.
160. Lloyd, B., Kraskura, K., Salice, C.J. (2022) Energetic impacts of chemical stressors: the effect of Cl-based road salt on freshwater crawfish metabolic rate. Poster. Towson University Undergraduate Research Conference, December 2022. Towson, MD.
159. Anderson, T.S., Furst, C.D., East, A., Salice, C.J. (2021) Assessing the ecotoxicity of PFAS (per- and polyfluoroalkyls substances) to house crickets (*Acheta domesticus*) via a novel model system. Strategic Environmental Research and Development Program Symposium, *virtual*.
158. Brown, A.S., Salice, C.J. (2021) Temporal variation of PFAS in biota and environmental media: Towards an improved understanding of PFAS bioaccumulation in fish (ER19-1193). Strategic Environmental Research and Development Program Symposium, *virtual*.
157. Anderson, T.S., Salice, C.J. (2021) Assessing the ecotoxicity of PFAS (per- and polyfluoroalkyls substances) to house crickets (*Acheta domesticus*) via a novel model system. SETAC North America Annual Meeting, *virtual*.
156. Brown, A.S., Field, J., Heron, C., McKenzie, E., Salice, C.J. (2021) Temporal variation of PFAS in biota and environmental media: Towards an improved understanding of PFAS bioaccumulation in fish. SETAC North America Annual Meeting, *virtual*.
155. Pellegrini, A., Anderson, T., Salice, C.J. (2021) Exploring the role of exposure route (diet vs drinking water) on the toxicity of PFAS to a model terrestrial invertebrates, *Acheta domesticus*. SETAC North America Annual Meeting, *virtual*.
154. Lanasa, S., East, A., Sivey, J., Niedzwiecki, M., & Salice, C. J. (2020, September 23) Are unregulated “safeners” safe for non-target organisms? Effects of herbicide safener additives on the population growth and size of green algae, *Raphidocelis subcapitata*. CPRC SETAC Annual Conference 2020, Virtual.

153. Lanasa, S., East, A., Sivey, J., Niedzwiecki, M., & Sivey, C. J. (2020, November 15-19) Are unregulated “safeners” safe for non-target organisms? Effects of herbicide safener additives on the population growth and size of green algae, *Raphidocelis subcapitata*. SETAC North America SciCon2 2020, Virtual.
152. Anderson, T., Furst, C.D., Furman, S., East, A., Salice, C.J. 2021. Exploring the effects of perfluorooctanesulfonic acid on terrestrial invertebrates: Developing a novel model system to evaluate the ecotoxicity of PFAS chemicals to invertebrates using house crickets (*Acheta domestica*). CPRC SETAC Annual Conference 2020, Virtual.
151. Furst, C.D., Furman, S., Anderson, T., Sykes, P., Eas, A., Salice, C.J. 2021. Exploring the effects of exposure from common perfluoroalkyl substances (PFAS) on brown anoles (*Anolis sagrei*). CPRC SETAC Annual Conference 2020, Virtual.
150. Furst, C.D., Furman, S., Anderson, T., Sykes, P., Eas, A., Salice, C.J. 2021. Exploring the effects of exposure from common perfluoroalkyl substances (PFAS) on brown anoles (*Anolis sagrei*). Strategic Environmental Research and Development Program (SERDP) Symposium, VIRTUAL.
149. Salice, C.J., Suski, J.G., McCarthy, C.J., Anderson, T.A., Field, J. 2021. Advancing the Understanding of the ecological risk of per- and polyfluoroalkyl substances. Strategic Environmental Research and Development Program (SERDP) Symposium, VIRTUAL.
148. Salice, C.J., Suski, J.G., Field, J. 2021. Physiological, ecological, and environmental determinants of PFAS uptake in freshwater fish: towards and improved bioaccumulation model. Strategic Environmental Research and Development Program (SERDP) Symposium, VIRTUAL.
147. McCauley, M., Salice, C.J., Suski, J.G. 2019. Iron presence in stream restoration projects and potential impacts to the aquatic biological community. Maryland Water Monitoring Council 24<sup>th</sup> Annual Meeting, Linthicum, MD. Poster.
146. Isabella, A., East, A.G., Salice, C.J. 2019. Stressed to death? Multiple stressors and the effects on *Daphnia magna* survival, reproduction, and growth. Maryland Water Monitoring Council 24<sup>th</sup> Annual Meeting, Linthicum, MD. Poster.
145. McMahan, P., Moore, J., Beauchamp, V., Casey, R., Salice, C.J. 2019. Export of nitrogen and suspended solids following legacy sediment removal and floodplain restoration reconnection projects. Maryland Water Monitoring Council 24<sup>th</sup> Annual Meeting, Linthicum, MD. Poster.
144. Barragan, C., Green, F., Henry, P.F., Salice, C.J. 2019. Do different exposure patterns of Marcellus shale petroleum production water exert stress on a common North American amphibian (*Lithobates clamitans*)? Maryland Water Monitoring Council 24<sup>th</sup> Annual Meeting, Linthicum, MD. Poster.
143. Godbey, M., Ribeiro, P., Barragan, C., Green, F., East, A.G., Salice, C.J. 2019. Exploring the effects of produced water on metabolic rates of central Maryland green frogs (*Lithobates clamitans*) larvae. Maryland Water Monitoring Council 24<sup>th</sup> Annual Meeting, Linthicum, MD. *First Place Student Poster*.
142. Isabella, A.M., East, A., Salice, C.J. 2019. Building a bigger picture: Exploring the impact of chemical mixtures on size and survivability of populations of *Daphnia magna* for use in predictive modeling. Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Poster.
141. Ribeiro, P., Green, F.B., East, A.G., Salice, C.J. 2019. Do standard toxicity tests reflect ecologically relevant conditions? *Xenopus laevis* vs. native anuran sensitivity to chloride with varied resources. Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Poster.

140. Furst, C.D., Weible, C., Furman, S., Anderson, T., East, A., Salice, C.J. 2019. Exploring the effects of exposure from common perfluoroalkyl substances (PFAS) on brown anoles (*Anolis sagrei*). Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Poster.
139. Lanasa, S., East, A.G., Sivey, J., Niedzwiecki, M., Salice, C.J. 2019. Are “safeners” safe? Effects of unregulated inert safeners on population growth and size of non-target algae species. Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Poster.
138. Huber, J., East, A., Salice, C.J. 2019. Considering behavioral endpoints to gain an improved understanding of neonicotinoid effects in aquatic systems. Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Poster.
137. Suski, J.G., Salice, C.J. 2019. Development of a risk framework for Threatened and Endangered species potentially exposed to PFAS on military installations. Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Poster.
136. East, A.G., Anderson, R.H., Salice, C.J. 2019. Estimates and perspectives on risk of PFOS to aquatic and terrestrial receptors. Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Poster.
135. Barry, M., Isabella, A., East, A., and Salice, C. J. 2019. The Protective Effects of Carbon: Why are carbon sources effective at reducing toxicity of a common fungicide? Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Poster.
134. Green, F., Henry, P.H., Salice, C.J. 2019. Effects of Marcellus shale petroleum production water on the survival and development of a common North American amphibian (*Lithobates sylvaticus*). Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Platform.
133. Weir, S.M., Salice, C.J. 2019. A stochastic *Sceloporus* population model to investigate extinction risk from toxicant-induced reductions in demographic parameters. Society of Environmental Toxicology and Chemistry Annual Conference, Toronto, ON. Platform.
132. Salice, C.J. 2019. A survey of PFAS occurrence, concentrations, and effects on wildlife. SETAC Workshop on Environmental Risk Assessment of PFAS. Durham, NC. *Invited*.
131. Suski, J.G., Dhruv, M., Salice, C.J. 2019. Investigating potential risk to threatened and endangered species from PFAS on Department of Defense Sites. SETAC Workshop on Environmental Risk Assessment of PFAS. Durham, NC. *Invited Poster*.
130. Salice, C.J., Suski, J.G., Field, J. 2019. Physiological, ecological, and environmental determinants of PFAS uptake in freshwater fish: Towards an improved bioaccumulation model. SETAC Workshop on Environmental Risk Assessment of PFAS. Durham, NC. *Invited Poster*.
129. Suski, J.G., Chanov, M., Salice, C.J. 2019. Effects of PFAS on sensitive life-stages in the fathead minnow. SETAC Workshop on Environmental Risk Assessment of PFAS. Durham, NC. *Invited Poster*.
128. East, A., Anderson, R.H., Salice, C.J. 2019. Estimates and perspectives on risk of PFOS to aquatic and terrestrial receptors. SETAC Workshop on Environmental Risk Assessment of PFAS. Durham, NC. *Poster*.
127. Salice, C.J., East, A., Weible, C., Furst, C. 2019. Ecotoxicity, exposure and ecological risk of per- and polyfluoroalkyl substances to terrestrial reptiles. SETAC Workshop on Environmental Risk Assessment of PFAS. Durham, NC. *Invited Poster*.
126. Furst, C.D., Weible, C., East, A., Salice, C.J. 2019. Exploring effects of chemical stressors on terrestrial invertebrates: development of a novel model using crickets, *Acheta domesticus*. Chesapeake and Potomac Regional Chapter of the Society of Environmental Toxicology and Chemistry. *Poster*.

125. Lanasa, S., East, A., Salice, C.J. 2019. What's in your Herbicide? Unregulated "safeners" modify effects of s-metolachlor on non-target algal species. Chesapeake and Potomac Regional Chapter of the Society of Environmental Toxicology and Chemistry. Poster.
124. Isabella, A., East, A., Salice, C.J. 2019. Building a bigger picture: Exploring effects of chemical mixtures in individuals and populations of *Daphnia magna* for use in predictive modeling. Chesapeake and Potomac Regional Chapter of the Society of Environmental Toxicology and Chemistry. Poster.
123. Huber, J., Isabella, A., East, A., Salice, C.J. 2018. Do chemical pollutants alter the phototaxis of a common freshwater invertebrate? TU Undergraduate Research Conference, Towson, MD. Poster.
122. Barry, M., Isabella, A., East, A., Salice, C.J. 2018. Increasing environmental realism: *Daphnia magna* toxicity tests with locally relevant stressors and resource environments. Maryland Water Monitoring Council 24<sup>th</sup> Annual Meeting, Linthicum, MD. Poster.
121. Weible, C., East, A., Furst, C., Salice, C.J. 2018. Exposure and effects of common per- and polyfluoroalkyl substances (PFAS) on Brown Anoles (*Anolis sagrei*). Society of Environmental Toxicology and Chemistry, Sacramento, CA. Platform.
120. Green, F., Ribeiro, P., East, A., Salice, C.J. 2018. Effects of road de-icing salt (NaCl) and temperature on larval anuran survival and development. Society of Environmental Toxicology and Chemistry, Sacramento, CA. Platform.
119. Jajistar, A., Weible, C., East, A., Salice, C.J. 2018. Optimization of the lysozyme-like assay under low sample volume conditions for use in assessing immunotoxicity in small reptiles. Chesapeake and Potomac Regional Chapter Meeting of the Society of Environmental Toxicology and Chemistry, Fredericksburg, VA. Poster.
118. Weible, C.W., East, A., Jajistar, A., Salice, C.J. 2018. Effects of perfluorooctane sulfonic acid (PFOS) on brown anoles (*Anolis sagrei*). Chesapeake and Potomac Regional Chapter Meeting of the Society of Environmental Toxicology and Chemistry, Fredericksburg, VA. Third place Poster.
117. Salice, C.J., East, A. 2018. Prioritizing Per- and Polyfluoroalkyl Substance Mixtures and Sites for Focused Ecotoxicology, Risk Assessment, and Risk Communication. Emerging Contaminants Summit, Westminster, CO. Platform: Keynote
116. Smith MB, McCreesh K, Salice CJ. 2017. Bioenergetic signatures of stress in caddisfly larvae from streams along an urban to rural gradient. Maryland Water Monitoring Council Annual Conference, Linthicum, MD. Platform: Highlighted on Conference website.
115. Green FB, Morin, R East A, Salice CJ. 2017. Exploring the effects of road de-icing salts (NaCl) and temperature on central Maryland green frog (*Lithobates clamitans*) tadpoles. Maryland Water Monitoring Council Annual Conference, Linthicum, MD. Poster.
114. Salice, CJ. 2017. Characterizing exposure and risk of per- and polyfluoroalkyl substances to terrestrial ecological receptors. SERDP and ESTCP Symposium 2017, Washington, D.C. Poster.
113. Salice, CJ, East, A. 2017. Prioritizing PFASs mixtures and sites for focused ecotoxicology, ecological risk assessment and risk communication. SERDP and ESTCP Symposium 2017, Washington, D.C. Poster.
112. East, A., Smith, M., Salice, C.J. 2017. Bridging the gap between multiple stressor data and reality: A case study with *Daphnia* population dynamics and individual-based modeling. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Platform.
111. Woo, T.J., Salice, C.J. 2017. Dietary carbon and lipid content influences population dynamics in *Daphnia magna*. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Poster.

110. Smith, M., East, A., McCreesh, K., Moore, J., Salice, C.J. 2017. Bioenergetic signatures of stress in caddisfly larvae from streams along an urban to rural gradient. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Poster.
109. McCarthy, C.J., Stanaway, M., Salice, C.J. 2017. Toxicological responses of *Chironomus tentans* to six PFASs. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Platform.
108. Salice, C.J., et al. 2017. Linking Organism-Level Effects of Chemical Stressors to Effects on Ecosystem Services: A Case Study of a Chemically Impacted Reservoir. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Platform.
107. East, A., Salice, C.J. 2017. Strategies to prioritize PFASs mixture identification for ecotoxicity testing and risk assessment. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Platform.
106. Forbes, V.E., et al., Salice, C.J. 2017. Predicting impacts of an endocrine disruptor on ecosystem services provided by fish populations. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Platform.
105. Olson, A., Anderson, T.A., Salice, C.J. 2017. A spatially-explicit perfluorooctane sulfonate (PFOS) uptake and depuration model for fish using data from the laboratory and field. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Platform.
104. Salice, C.J., Anderson, T.A., Olson, A., Anderson, R.H. 2017. Ecological risk assessment of aquatic PFAS exposure at an Air Force Base: Site characterization and preliminary risk assessment. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Platform.
103. Suski, J.G., Chanov, M.K., Jirsa, M.D., Salice, C.J. 2017. Exploring freshwater species sensitivity to environmentally persistent PFAS and PFAS mixtures. Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Poster.
102. Reategui-Zirena, E., Fidler, B., Salice, C.J. 2017. How much energy does the Great Pond snail, *Lymnaea stagnalis*, have and consumes when exposed to cadmium? Society of Environmental Toxicology and Chemistry, Minneapolis, MN. Poster.
101. Salice, C.J., Forbes, V.E. 2016. A systems modeling framework to link organism-level effects of chemical stressor to effects on ecosystem services. 7<sup>th</sup> World Congress of the Society of Environmental Toxicology and Chemistry, Orlando, FL. Platform.
100. Bolyard, K., Gresens, S., Sivey, J., Salice, C.J. 2016. Effects of S-metolachlor and its typically paried safening agent (benoxacor) in *C. riparius*: 28-day chronic exposure study. 7<sup>th</sup> World Congress of the Society of Environmental Toxicology and Chemistry, Orlando, FL. Platform.
99. Pereira, V., Locket, L., Salice, C.J. 2016. Complex interactions among agrochemicals in aquatic systems: Can phosphate protect against fungicide toxicity? 7<sup>th</sup> World Congress of the Society of Environmental Toxicology and Chemistry, Orlando, FL. Poster.
98. East, A., Salice, C.J. 2016. Individual-based and system dynamic modeling frameworks to explore a complex energetic process in aquatic communities. 7<sup>th</sup> World Congress of the Society of Environmental Toxicology and Chemistry, Orlando, FL. Poster.
97. Reategui-Zirena, E.G., Salice, C.J. 2016. Effects of diet on embryogenesis of the great pond snails, *Lymnaea stagnalis*, exposed to cadmium, tributyltin and pyraclostrobin. 7<sup>th</sup> World Congress of the Society of Environmental Toxicology and Chemistry, Orlando, FL. Platform.
96. Woo, T.J., East, A., Salice, C.J. 2016. Timing is everything: assessing the effects of pulse exposure patterns on salt toxicity in *Daphnia magna*. 7<sup>th</sup> World Congress of the Society of Environmental Toxicology and Chemistry, Orlando, FL. Poster.



95. Lockett, L., East, A., Salice, C.J. 2016. Exploring the impacts of multiple anthropogenic and environmental stressors: data needs for predicting ecological effects. 7<sup>th</sup> World Congress of the Society of Environmental Toxicology and Chemistry, Orlando, FL. Platform.
94. Smith, M., East, A., Salice, C.J. 2016. Bioenergetic endpoints for stream assessment: Lipid content in surface water and caddisfly larvae varies across an urban to rural gradient. Maryland Water Monitoring Council Annual Conference, Linthicum, MD. **FIRST PLACE POSTER.**
93. East, A.G., Woo, T.J., Salice, C.J. 2016. A framework to predict toxicity of ion pulses in Baltimore region streams. Maryland Water Monitoring Council Annual Conference, Linthicum, MD.
92. Bolyard, K. Gresens, S., Sivey, J., and Salice, C.J. 2016. How safe are safeners? A benthic microcosm study. Maryland Water Monitoring Council Annual Conference, Linthicum, MD.
91. Pereira, V. and Salice, C.J. 2016. Complex interactions of nutrients and pesticides in aquatic systems: Does phosphate protect against fungicide toxicity? Poster presentation: Chesapeake Potomac Regional Chapter Meeting of the Society of Environmental Toxicology and Chemistry. Charlotte, NC.
90. Woo, T.J. and Salice, C.J. 2016. Patterns of pulse exposure influence the magnitude of sub-lethal effects of sodium chloride on *Daphnia magna*. Poster presentation: Chesapeake Potomac Regional Chapter Meeting of the Society of Environmental Toxicology and Chemistry. Charlotte, NC.
89. Forbes, V.E., Galic, N., Murphy, C., Salice, C.J., and Nisbet, R.M. 2016. Dynamic models to link impacts of chemicals from molecules to ecosystems. Platform Presentation at the International Society of Ecological Modelling Annual Meeting, Towson, MD.
88. Dawson, D.E. and Salice, C.J. 2016. A spatially-explicit modeling platform for modeling mosquito populations in semi-arid environments using the R-NetLogo package. Platform Presentation at the International Society of Ecological Modelling Annual Meeting, Towson, MD.
87. East, A. and C.J. Salice. 2016. Simulating system level effects of stress on aquatic systems through linked dynamic energy budget individual-based models (DEB-IBMs) in Netlogo. Platform Presentation at the International Society of Ecological Modelling Annual Meeting, Towson, MD.
86. Lockett, L., Pereira, V., East, A., Salice, C.J. 2016. Toxicological impacts of the fungicide pyraclostrobin on the model organism *Daphnia magna*. Conference PROMISE AGEP Research Symposium, College Park, MD. **1st Place Student Poster Competition**
85. Lockett, L. and Salice, C.J. 2016. An examination of the impacts of temperature to standard toxicological protocols using pyraclostrobin and *Daphnia magna*. Poster presentation: Chesapeake Potomac Regional Chapter Meeting of the Society of Environmental Toxicology and Chemistry. Charlotte, NC. **3<sup>rd</sup> Place Student Poster Competition**
84. Bolyard, K. E., Gresens, S. E., Sivey, J. D., Salice, C. J. 2015. *Chironomus riparius*: A tool for studying ecological effects of “inert” safeners. Poster session presented at the 36<sup>th</sup> Annual North American SETAC Meeting, Salt Lake City, UT.
83. Bolyard, K. E., Gresens, S. E., Sivey, J. D., Salice, C. J. 2015. How Safe are Safeners? A Benthic Microcosm Study. Poster session presented at the 5<sup>th</sup> Annual Young Environmental Scientists Meeting, Gainesville, FL.
82. Dawson, D.E. and C.J. Salice. February 2016. Modeling mosquito population dynamics using surveillance, treatment, habitat and climate data in Tarrant County, Texas”. The Annual Meeting of the American Mosquito Control Association. Savannah, GA.

81. Pereira, V., Woo, T. and Salice, C.J. 2015. Effects of common anthropogenic pollutants on the surrogate freshwater invertebrate, *Daphnia magna*. Maryland Water Monitoring Council Meeting, Linthicum, MD.
80. Reátegui-Zirena, E.G., Fidder, B.N., Olson, A.D., Bilbo, T.R., Dawson, D.E., Salice, C.J. 2015. Transgenerational effects of cadmium and tributyltin in the great pond snail, *Lymnaea stagnalis*. Poster presented at the National SETAC meeting, November 1-5, Salt Lake City, UT.
79. East, A. and C.J. Salice. 2015. A bioenergetic modeling framework to understand effects of anthropogenic stressors on interacting aquatic species. Poster session presented at the 36<sup>th</sup> Annual North American SETAC Meeting, Salt Lake City, UT.
78. Reátegui-Zirena, E.G., Fidder, B.N., Olson, A.D., Bilbo, T.R., Salice, C.J. 2015. Reproductive and Offspring Effects of Tributyltin on the Freshwater Pulmonate Snail *Lymnaea stagnalis*. Presented at the National SACNAS (Society for the Advancing Hispanics/Chicanos and Native Americans in Science) conference, October 29-31, Washington D.C.
77. Reátegui-Zirena, E.G., French, A.D., Klein, D.M., Salice, C.J. 2016. Cadmium compartmentalization in the pulmonate snail *Lymnaea stagnalis*: improving our understanding of exposure and toxicity. Presented at the South Central Regional SETAC conference, April 22-24, Fort Worth, TX.
76. Reátegui-Zirena, E.G., Fidder, B.N., Olson, A.D., Bilbo, T.R., Dawson, D.E., and Salice C.J. 2015. Reproductive and offspring effects of cadmium on the freshwater pulmonate snail, *Lymnaea stagnalis*. Texas Tech Biological Sciences Symposium, Lubbock, Tx.
75. Reátegui-Zirena, E.G., Fidder, B.N., Olson, A.D., Bilbo, T.R., Dawson, D.E., and Salice C.J. 2015. Reproductive and offspring effects of tributyltin on the freshwater pulmonate snail, *Lymnaea stagnalis*. South Central Regional SETAC, Lafayette, LA.
74. Bilbo, T.R., Dawson, D.E., and Salice C.J. 2015. The impact of larval crowding on mosquito insecticide tolerance. Texas Tech University Graduate Student Poster Competition, Lubbock, TX, USA.
73. Reátegui-Zirena, E.G., Fidder, B.N., Olson, A.D., Bilbo, T.R., Dawson, D.E., and Salice C.J. 2015. Effects of cadmium on the reproduction and offspring of the Great Pond snail, *Lymnaea stagnalis*. Society of Freshwater Science, Milwaukee, WI.
72. Dawson, D.E. and C.J. Salice. October 2015. A spatially-explicit population model for *Culex tarsalis* in the Southern High Plains built with the Program R/NetLogo interface. The Annual Meeting of the Society of Vector Ecology. Albuquerque, N.M.
71. Bilbo, T.R., Dawson, D.E., and Salice C.J. 2015. Crowding effects in the yellow fever mosquito (*Aedes aegypti*) and its impact on insecticide sensitivity. American Mosquito Control Association 81st Annual Meeting, New Orleans, LA, USA.
70. Dawson, D. and Salice, C.J. 2015. A spatially-explicit, rule-based approach to predicting and managing mosquito populations. American Mosquito Control Association 81st Annual Meeting, New Orleans, LA, USA.
69. Dawson, D. and Salice, C.J. 2014. A spatially-explicit, rule-based approach to predicting and managing mosquito populations. 35<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Vancouver, BC, Canada.
68. Fidder, B.N., Reátegui-Zirena, E.G., Salice, C.J. 2014. Bioenergetic indicators of fungicide toxicity in the freshwater gastropod, *Lymnaea stagnalis*. 35<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Vancouver, BC, Canada.

67. Olson, A.D., Funkhouser, M.A., Lanza, H.A., Cochran, R.S., Reátegui-Zirena, E.G., Anderson, T.A., Salice, C.J. 2014. An Overview of Field and Laboratory Research to Inform Ecological Risk Assessments of Perfluorooctane Sulfonate. 35<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Vancouver, BC, Canada.
66. Reátegui-Zirena, E.G., Fidler, B.N., Salice, C.J. 2014. Effects of cadmium and diet on feeding, growth, behavior and macronutrient content in *Lymnaea stagnalis*. South Central SETAC meeting, May 30-31, San Marcos, TX.
65. Reátegui-Zirena, E.G., Fidler, B.N., Salice, C.J. 2014. Effects of cadmium and diet on feeding, growth, behavior and macronutrient content in *Lymnaea stagnalis*. Texas Tech Annual Biological Sciences Symposium, March 28-29, Lubbock, TX.
64. Reátegui-Zirena, E.G., Fidler, B.N., Salice, C.J. 2014. A bioenergetics-based perspective on understanding sublethal effects of toxicants in the freshwater snail, *Lymnaea stagnalis*. 35<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Vancouver, BC, Canada.
63. Reátegui-Zirena, E.G., Fidler, B.N., Salice, C.J. 2014. Interactive effects of cadmium and diet on bioenergetic endpoints in the freshwater snail, *Lymnaea stagnalis*. National SACNAS (Society for the Advancing Hispanics/Chicanos and Native Americans in Science) conference, October 15-18, Los Angeles, CA.
62. Salice, C.J., A.E. East, A. Olson, B. Perkins, E. Reategui-Zirena. 2014. A bioenergetic-based model to identify and understand the effects of pesticides on ground nesting birds. 35<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Vancouver, BC, Canada.
61. Weir SM, Yu S, Knox A, Talent LG, Maul JD, Perry G, Anderson TA, Salice CJ. 2014. The oral and dermal toxicity of several pesticides to the Western fence lizard (*Sceloporus occidentalis*). Presented at the 2014 Annual Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN. July 30-August 3, 2014. (Platform)
60. Weir SM, Yu S, Maul JD, Talent LG, Salice CJ. 2014. Improving reptile risk assessment: dermal toxicity methodology and relationship to avian toxicity data. Presented at the 2014 National meeting of the Society of Environmental Toxicology and Chemistry, Vancouver, BC, Canada. November 9-13, 2014. (Poster)
59. Lanza, H.A., R.S. Cochran, M.A. Funkhouser, A.D. Olson, J.F. Mudge, C.J. Salice, T.A. Anderson. 2014. Implications of Tissue Specific Partitioning of Perfluorinated Compounds on Fish Condition in Individuals Collected Near Barksdale Air Force Base, LA. Abstracts of the SETAC North America 35<sup>th</sup> Annual Meeting. Vancouver, BC, Canada.
58. Cochran, R. S., H.A. Lanza, J. Mudge, B. Blackwell, C.J. Salice, and T. A. Anderson. 2014. The Use of *in situ* Passive Samplers as Surrogates for Fish at Barksdale Air Force Base, Louisiana. Abstracts of the SETAC North America 35<sup>th</sup> Annual Meeting. Vancouver, BC, Canada.
57. Kimberly, D.A., C.J. Salice. 2013. Understanding climate induced toxicant sensitivity: exposure history influences temperature and cadmium tolerance. Society of Environmental Toxicology and Chemistry, Nashville, TN.
56. Erickson, R.E., S.B. Cox, K.R. Long, T.A. Anderson, C.J. Salice. 2013. The effects of a simple pesticide mixture on population and interspecific dynamics. Society of Environmental Toxicology and Chemistry, Nashville, TN.
55. Dawson, D.E., C.J. Salice. 2013. Effects of sub-lethal malathion exposure to *Aedes aegypti* larvae: Influence of age and temperature on life history traits and population structure. Society of Environmental Toxicology and Chemistry, Nashville, TN.

54. Plautz, S.C., C.J. Salice. 2013. Chained to the past: parental toxicant exposure alters offspring stressor tolerance and life history traits. Society of Environmental Toxicology and Chemistry, Nashville, TN.
53. Kimberly, D.A., C.J. Salice. 2013. Effects of multigenerational cadmium exposure on life history, stressor tolerance traits, and population structure in *Daphnia magna*. Society of Environmental Toxicology and Chemistry, Nashville, TN.
52. Scott M. Weir, L.G. Talent, S. Yu, C.J. Salice. 2013. Improving reptile risk assessment: working towards a standardized toxicity test with reptiles using the Western fence lizard (*Sceloporus occidentalis*). Society of Environmental Toxicology and Chemistry, Nashville, TN.
51. Funkhouser, M.A., A.D. Olson, T.A. Anderson, C.J. Salice. 2013. Acute and chronic toxicity of perfluorooctane sulfonate (PFOS) to *Physa Pomilia*. Society of Environmental Toxicology and Chemistry, Nashville, TN.
50. Olson, A.D., M.A. Funkhouser, T.A. Anderson, C.J. Salice. 2013. Developing a multi-compartment perfluorooctane sulfonate (PFOS) uptake and depuration model for fish. Society of Environmental Toxicology and Chemistry, Nashville, TN.
49. Salice, C.J. and S.M. Weir. 2013. Risks of pesticides to amphibians: are widely available fish toxicity data protective or not? Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, NM.
48. Weir, S.M., L.G. Talent, T.A. Anderson and C.J. Salice. 2013. Risk of H<sub>2</sub>S gas emissions to the Dunes sagebrush lizard: using the Western fence lizard as a surrogate. Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, NM.
47. Salice, C.J., S.C. Plautz and D.A. Kimberly. 2013. Transgenerational and latent effects of contaminants: developmental and parental environments have strong impacts on subsequent fitness in snails. Society of Environmental Toxicology and Chemistry Europe, Glasgow, Scotland.
46. Salice, C.J., D.A. Kimberly, and J.G. Suski. 2013. Effects of chemical stressors on predator-induced defenses in snails: subtle effects with strong ecological implications. Selected for Poster Spotlight. Society of Environmental Toxicology and Chemistry Europe, Glasgow, Scotland.
45. Salice, C.J. and S.M. Weir. 2013. Advances in Reptile Ecological Risk Assessment: Estimating Exposure and Effects in Western Fence Lizards. Society of Environmental Toxicology and Chemistry Europe, Glasgow, Scotland.
44. Suski, J.G., C.J. Salice and R. Patino. 2012. Freshwater snails exhibit a broad range of salinity tolerance: increased invasion potential to higher-salinity environments. Society of Environmental Toxicology and Chemistry, Long Beach, CA. Poster, 2<sup>nd</sup> Place Ph.D. poster competition.
43. Salice, C.J. 2012. Density in population-level ecotoxicology and risk assessment: insights, hypotheses and uncertainties from a density dependent simulation model. Society of Environmental Toxicology and Chemistry, Long Beach, CA. Platform.
42. Salice, C.J. 2012. Expanding the utility of spatially explicit exposure modeling: applications beyond site-specific assessments. Society of Environmental Toxicology and Chemistry, Long Beach, CA. Platform.
41. Weir, S.M., S. Yu, and C.J. Salice. Significant ecological effects of chronic exposure to the herbicide trifluralin and high acute toxicity of its formulation to larval amphibians. 2012. Society of Environmental Toxicology and Chemistry, Long Beach, CA.

40. Weir, S.M. and C.J. Salice. Improving reptile risk assessment: the relative importance of diet and dermal contaminant exposure in the Western fence lizard (*Sceloporus occidentalis*). Society of Environmental Toxicology and Chemistry, Long Beach, CA.
39. Pezdek R.J., Shaver D.J., Hooper M.J., Salice C.J., Tillitt R.L., Yacabucci J.E., Walker J.S., S.C. Ertolacci and C.A.J. Godard-Codding. 2012. AROD Optimization in Chorioallantoic Membranes (CAMs) of Kemp's Ridley sea turtles (*Lepidochelys kempii*). Society of Environmental Toxicology and Chemistry, Long Beach, CA.
38. Kimberly, D.A. and C.J. Salice. 2012. Understanding the importance of latent toxicological effects: embryonic cadmium exposure produces less fit adults in a freshwater snail. Society of Environmental Toxicology and Chemistry, Long Beach, CA.
37. Luna, T.O., S.C. Plautz and C.J. Salice. 2012. Assessing the ecological impacts of pharmaceuticals on invertebrates: interpreting data from a common freshwater gastropod. Society of Environmental Toxicology and Chemistry, Long Beach, CA.
36. Plautz, S.C. and C.J. Salice. 2012. Diet, predators, and partners: parental environments and experience impact the response of offspring to environmental stressors. Society of Environmental Toxicology and Chemistry, Long Beach, CA.
35. Funkhouser, M.A., S.C. Plautz and C.J. Salice. 2012. Diet and social facilitation impact life history and toxicant tolerance in freshwater snails: implications for laboratory studies. Society of Environmental Toxicology and Chemistry, Long Beach, CA.
34. Funkhouser, M.A., S.C. Plautz and C.J. Salice. 2012. Influence of stressor tolerance and reproductive mode on the invasive potential of the non-native snail *Biomphalaria glabrata*. Society of Environmental Toxicology and Chemistry, Long Beach, CA.
33. Weir, S.M. and C.J. Salice. 2012. *Invited Platform*. Terrestrial reptile ecotoxicology: How toxicity data informs reptile conservation. World Congress of Herpetology. Vancouver, Canada.
32. Erickson, R.A., C.J. Salice, S.B. Cox, and K.R. Long. 2012. Quantifying the impact of a pesticide on aquatic invertebrate population dynamics: An application of Bayesian hierarchical modeling in ecotoxicology. Uncertainty Quantification Summer School. University of Southern California, Los Angeles, CA.
31. Luna, T.O. and C.J. Salice. 2012. Multigenerational life history effects of wastewater contaminants in *Physa pomilia*. Society of Environmental Toxicology South Central Conference. Waco, TX.
30. Holt, R.D., C.J. Salice, W.B. Ballard, and R.M. Perez. 2012. Effects of different management strategies on lesser prairie-chicken population growth rate: results from a population viability analysis. Texas Chapter of the Wildlife Society, Fort Worth, TX.
29. Plautz, S.C. and C.J. Salice. 2011. Transgenerational effects of contaminants: does parental cadmium exposure affect cadmium tolerance of offspring? Society of Environmental Toxicology and Chemistry, Boston, MA.
28. Salice, C.J., B.E. Sample, R. Miller Neilan, K.A. Rose, S. Sable. 2011. Using population models to guide management activities: optimal PCB remediation strategies based on an individual-based model of mink. Society of Environmental Toxicology and Chemistry, Boston, MA.
27. Salice, C.J., L. Beaty, S.M. Weir. 2011. Understanding the spread of invasives: using functional traits to guide assessment and management efforts of nonindigenous species. Society of Environmental Toxicology and Chemistry, Boston, MA.

26. Weir, S.M. and C.J. Salice. 2011. The relative importance of diet and dermal contaminant exposure in reptiles: results from empirical studies on the Western Fence Lizard. Society of Environmental Toxicology and Chemistry, Boston, MA.
25. Kimberly, D.A. and C.J. Salice. 2011. Understanding interactive effects of climate change and toxicity: Cadmium reverses beneficial effects of temperature in a freshwater snail. Society of Environmental Toxicology and Chemistry, Boston, MA.
24. Suski, J.G. and C.J. Salice. 2011. Exploring impacts of climate-induced changes in temperature and salinity on freshwater gastropods. Society of Environmental Toxicology and Chemistry, Boston, MA.
23. Luna, T.O. and C.J. Salice. 2011. Life history effects of organic wastewater contaminants in two freshwater macroinvertebrates, *Daphnia magna* and *Physa pomilia*. Society of Environmental Toxicology and Chemistry, Boston, MA.
22. Beaty, L.J. and C.J. Salice. 2011. An end to cane toad roulette: Using stochastic modeling to focus control efforts in Australia. Ecological Society of America, Austin, TX.
21. Holt, R.D., C.J. Salice, W.B. Ballard, C.A. Kukul, and R.M. Perez. 2011. Population viability analysis of a population of the Lesser Prairie Chicken in the Northeast Texas Panhandle. American Ornithologists Union Meeting, Jacksonville, FL.
20. Salice, C.J. 2010. Using models to understand the population-level effects of contaminants on long-lived reptiles: Gulf of Mexico sea turtles as an example. Society of Environmental Toxicology and Chemistry, Portland, OR.
19. Weir, SM and CJ Salice. 2010. Differential tolerance to environmental stress in two invasive snail species. Society of Environmental Toxicology and Chemistry, Portland, OR.
18. Kimberly, DA and CJ Salice. 2010. Life stage specific responses to multiple stressors in freshwater snails: insight into reaction norms of environmental stress response. Society of Environmental Toxicology and Chemistry, Portland, OR.
17. Plautz, S and CJ Salice. 2010. Social facilitation and cumulative sublethal malathion toxicity in the snail *Planorbella trivolvis*. Society of Environmental Toxicology and Chemistry, Portland, OR.
16. Suski, JG and CJ Salice. 2010. Differences in salt tolerance among sympatric freshwater snails: implications for community level effects of anthropogenic salinization. Society of Environmental Toxicology and Chemistry, Portland, OR.
15. Salice, C.J. and S.B. Cox. 2009. Amphibians, Complex Lifecycles and the “Ghost of Exposure Past”: Ecological Significance of Post-Exposure, Latent Effects. Thirtieth annual meeting of the Society of Environmental Toxicology and Chemistry. New Orleans, LA.
14. Salice, C.J. 2009. Amphibian Population Dynamics and Extinction Risk in a Varying and Stressful World. Ninety-fourth annual meeting of the Ecological Society of America. Albuquerque, NM.
13. Salice, C.J. 2008. Beyond the Beaker and the Quotient: Insights from a Population-Level Assessment of an Amphibian. Twenty-ninth annual meeting of the Society of Environmental Toxicology and Chemistry. Tampa, Florida.
12. Salice, C.J., C.L. Rowe, and W.A. Hopkins. 2007. A stochastic population model for Narrow-mouthed toads (*Gastrophryne carolinensis*): Effects of multiple stressors. Twenty-eighth annual meeting of the Society of Environmental Toxicology and Chemistry. Milwaukee, Wisconsin.

11. Salice, C.J., E. Fite, E. Odenkirchen, T. Barry, and I. Sunzenauer. 2006. A review of EPA's Terrestrial Investigation Model (TIM): a probabilistic model for assessing risks to avian species. Twenty-seventh annual meeting of the Society of Environmental Toxicology and Chemistry. Montreal, Canada.
10. Salice, C.J. 2004. A population-level ecological risk assessment for lead-exposed lizards. Twenty-fifth annual meeting of the Society of Environmental Toxicology and Chemistry. Portland, OR.
9. Suski, J.G., C.J. Salice, M.A. Bazar and L.G. Talent. 2004. Effects of lead on the Western Fence Lizard, *Sceloporus occidentalis*. Twenty-fifth annual meeting of the Society of Environmental Toxicology and Chemistry. Portland, OR.
8. Salice, C.J., J.G. Suski, M.A. Bazar, H.I. Paulus, and L.G. Talent. 2003. Effects of lead on the Western fence lizard, *Sceloporus occidentalis*. Twenty-fourth annual meeting of the Society of Environmental Toxicology and Chemistry. Austin, TX.
7. Salice, C.J., B.E. Sample, and K.A. Rose. 2003. A method for linking laboratory-based toxicity data with population level effects. Twenty-fourth annual meeting of the Society of Environmental Toxicology and Chemistry. Austin, TX.
6. Suski, J.G., C.J. Salice, M.A. Bazar, and L.G. Talent. 2003. Refinement of a reptilian toxicity testing system using the Western fence lizard, *Sceloporus occidentalis*. 24<sup>th</sup> annual meeting of the Society of Environmental Toxicology and Chemistry. Austin, TX.
5. Johnson M.S., Salice C.J. (2003) Influence of study design on vertebrate toxicity studies for applications in ecological risk assessments (platform presentation). Twenty-fourth annual meeting of the Society of Environmental Toxicology and Chemistry. Austin, TX.
4. Bazar, M.A., C.J. Salice, J.G. Suski, S. Goodwin, and L.G. Talent. 2003. Baseline hematology and plasma chemistry for the Western fence lizard. Twenty-fourth annual meeting of the Society of Environmental Toxicology and Chemistry. Austin, TX.
3. Salice, C.J., G. Roesijadi and T.J. Miller. 2001. Cadmium adaptation and costs of adaptation in two strains of the freshwater gastropod, *Biomphalaria glabrata*. Twenty-second annual meeting of the Society of Environmental Toxicology and Chemistry. Philadelphia, PA.
2. Salice, C.J., M.S. Johnson, G. Holdsworth, J. Wireman, M. McAtee, and E. Janus. 2001. Army standard practice for the development and use of toxicity reference values (TRVs): Recent applications. Twenty-second annual meeting of the Society of Environmental Toxicology and Chemistry. Philadelphia, PA.
1. Salice, C.J. and G. Roesijadi. 2000. Parasite susceptibility and strain-specific responses to long-term cadmium exposure in the freshwater gastropod, *Biomphalaria glabrata*. Thirty-ninth meeting of the Society of Toxicology. Philadelphia, PA.