

Kevin L. Armbrust Vitae  
Updated March 2022

## **KEVIN L. ARMBRUST**

Department of Environmental Sciences  
1279 Energy, Coast and Environment Building  
Louisiana State University  
Baton Rouge, LA. 70803  
Office: (225)578-4281 (direct line)  
Work Email: [armbrust@lsu.edu](mailto:armbrust@lsu.edu)

[Home](#)



Kevin L. Armbrust Vitae  
Updated March 2022

analysis. Radiolabeled chemicals were used whenever possible. Coordination and supervision of laboratory, field, and contract personnel involved in this work.

Design and implementation of experiments (laboratory and field) to determine how agronomic practices and environmental factors influence the residues, degradation and off-site transport of pesticides and their degradation products, with emphasis on chemicals used on rice. Influence of these factors in exposure models with emphasis on EXAMS2. Such information is used to support biological efficacy research, as well as to influence regulatory agencies.

September 1985 - April 1992

Graduate Research Assistant/Post Graduate Researcher/Undergraduate Research Assistant – UC Davis

Kevin L. Armbrust Vitae  
Updated March 2022

1991 UC-DAVIS: Teaching Assistant for Environmental Toxicology 112A (Toxicants in the Environment)

Responsibilities: Grading of exams and homework assignments. Aiding/tutoring students with questions concerning course material. Liaison between students and professor.

## **GRADUATE STUDENTS**

### **As major professor**

Jessica Stephens – MS - Anticipated December 2023 - current  
Scott St. Romaine – Ph.D. – Anticipated December 2023 - current  
Brenda Martinez – Ph.D. – Anticipated December 2022 - current  
Michael LaNasa – MS – Withdrew Sept 2020  
Xavier Poole – MS – June 2020  
Emily Vebrosky – Ph.D. – December 2018  
Jessica Landry – MS - May 2018  
Emily Wall – MS – December 2017  
Ashennur Soysal – MS – December 2017  
Tamara Estes – Ph.D. – August 2017  
Parichehr Sarajampour – Ph.D. – May 2017  
Brendan Marsh – MS – December 2016  
Emily Vebrosky – MS – May 2016

### **As committee member**

Caitlin duNux – Environmental Sciences, Ph.D. – current  
Nin Gan – Life Sciences, Texas A&M Corpus Cristi, Ph.D. - current  
Ajit Ghirmire – Environmental Sciences, Ph.D. – 2019  
Xia Guan - Environmental Sciences, Ph.D. – 2019  
Dylann Phillippe – Environmental Sciences, M.S. - 2018  
Keyth Pankau – Environmental Sciences, M.S. - 2018  
Glenn Suir – Oceanography and Coastal Science – (Deans Rep), Ph.D. - 2018  
Jerry Seward – Environmental Sciences, Ph.D. – 2017  
Charles D. Lofton – Civil and Environmental Engineering – (Dean's re -1073 Tm /TT1 1 Tf (-) Tj ET Q q 0.BT 4

Kevin L. Armbrust Vitae  
Updated March 2022

National Oceanic and Atmospheric Administration (NOAA) – 7/9/2020 – 7/8/2025. **\$767,160**  
(KLA portion). *Technical Support Services for Assessment of Chemical Hazards Associated with  
Oil and Hazardous Material Releases TO1. PI*

National Science Foundation-National Science Foundation China – 8/1/2019 - 7/31/2023.

Kevin L. Armbrust Vitae  
Updated March 2022

US Food and Drug Administration. – 2008 – 2010. **\$ 496,336.** *Bovine Spongiform Encephalopathy Testing in the Southeastern United States.* Laboratory Director

US Department of the Interior - US Geological Survey – 2008 – 2013. **\$ 378,203** *Analysis of Environmental Samples for Organic Contaminants at Trace Levels.* Co-Principal Investigator

Kevin L. Armbrust Vitae  
Updated March

Kevin L. Armbrust Vitae  
Updated March 2022

Actively promoted the development of a 3+3 program between CES and the LSU Law School resulting in students matriculating after 6 years with a BS in Coastal Environmental Science and a JD in Law.

Promoted restarting a stalled 3+2 program between LSU and the Health Sciences Center in New Orleans that would allow a student to matriculate with a BS in Coastal Environmental Science and a Masters of Public Health after 5 years.

Promoted the expansion of a dual enrollment program for the *Introduction to Environmental Science* (ENVS 1126) course to 4 additional high schools within the Baton Rouge area, with plans for further expansion in coming years.

Established a new minor in Environmental Toxicology with the intent of resulting in additional enrollment in Environmental Sciences courses.



Kevin L. Armbrust Vitae  
Updated March 2022

Diversified federal and state fee-for-

Kevin L. Armbrust Vitae  
Updated March

Kevin L. Armbrust Vitae  
Updated March 2022

US Environmental Protection Agency – Gulf Breeze Laboratory (Gulf Ecology Division) (**September 2017**): *Assessing Chemical Persistence, Fate and Toxicity in Coastal and Estuarine Marine Ecosystems.*

Association of Food and Drug Officials panelist (**June 2017**). Topic: *Cannabis: New Horizons in Food and Drug Regulations.*

Bodega Marine Laboratory (**July 2016**): Topic: *The Fate of Pesticides and Other Contaminants in Marine Ecosystems.*

Georgia Environmental Health Association: (**June 2016**) Topic: *Arsenic in Food and the Environment: History, Sources and Perspectives.*

US Department of Agriculture (**Dec. 2015**): Topic: *Arsenic in Food and the Environment: History,*



Kevin L. Armbrust Vitae  
Updated March 2022

- 2015 – *Environmental Fate, Management and Mitigation of N in Agricultural Systems* in the Division of Agrochemicals at the 250<sup>th</sup> meeting of the American Chemical Society. Boston, MA August 16 - 20.
- 2014 – *13<sup>th</sup> IUPAC International Congress of Pesticide Chemistry*. Organizing Committee. August 10 – 14<sup>th</sup>. San Francisco, CA.
- 2012 – *Perfecting Communication of Chemical Risk* in the Division of Agrochemicals at the 244<sup>th</sup> meeting of the American Chemical Society. Philadelphia, PA August 19 - 23.
- 2011 – *Analytical Challenges for Crop Protection Products* in the Division of Agrochemicals at the 242

Kevin L. Armbrust Vitae  
Updated March 2022

Xu, W. E. Vebrosky, **K. Armbrust**. (2020). *Potential Toxic Effects of 4-OH-Chlorothalonil Degradation Product on Human Skin Health*. Journal of Hazardous Materials. 394:122575. <https://doi.org/10.1016/j.jhazmat.2020.122575>

- K. Xia, J. Atkins, C. Foster and **K. Armbrust**. (2010). *Analysis of Cyromazine in Poultry Feed Using the QuEChERS Method Coupled with LC-MS/MS*. Journal of Agricultural and Food Chemistry 58(10):5945-5949.
- J. Overmyer, K. Kellock, P. Smith, **K. Armbrust** and J. Kwon. (2010) *Assessment of the toxicological interaction of sertraline with cholinesterase inhibiting insecticides in aquatic insects using the black fly, Simulium vittatum IS-7*. Environmental Toxicology 25(1):28-37
- K. Xia, L. Hundal, K. Kumar, **K. Armbrust**, A. Cox and T. Granato. (2010). *Occurrence of TCC, TCS, PBDEs and 4-NP in Biosolids and their levels in soil after 33 years of biosolids application*. Environmental Toxicology and Chemistry 29(3):597-605.
- D. Conners, E. Rogers, **K. Armbrust**

Kevin L. Armbrust Vitae  
Updated March 2022

- Kwon, J.W., **K. L. Armbrust** and T. Grey. (2004). *Hydrolysis and Photolysis of Flumioxazin*. J. Pest Management Science. 60:935-943.
- Overmyer, J.P., R. Noblet and **K.L. Armbrust**. (2003). *Susceptibility of Black Fly Larvae (Diptera:Simuliidae) To Lawn-Care Insecticides Individually and as Mixtures"*. Environmental Toxicology and Chem. 22:1582-1588
- Armbrust, K.L.** and H. Peeler. (2002). *Effects of Formulation on the Runoff of Imidacloprid from Turf by Simulated Rainfall*.



Kevin L. Armbrust Vitae  
Updated March 2022

- L.M. Basirico, G. Shigenaka, E. Overton, **K. Armbrust**. (2022). *The use of invertebrate organisms to detect petroleum contamination in support of emergency response activities*. To be presented before the 262<sup>nd</sup> National Meeting of the American Chemical Society, Division of Environmental Chemistry, Sand Diego, CA. March 20-24<sup>th</sup>
- M. Knight, L.M. Basirico, **K. Armbrust**. (2022). *Analysis of the Photodegradation of the Pro-Herbicide Benzobicyclon Hydrolyzate Using a Seawater Gradient and Constituent Ions*. To be presented before the 262<sup>nd</sup>



Kevin L. Armbrust Vitae  
Updated March 2022

Presented before the 254<sup>th</sup> National Meeting of the American Chemical Society, Division of Agrochemicals, Washington DC. August 20-24

Kevin L. Armbrust Vitae  
Updated March 2022

Presented before 252<sup>nd</sup> National Meeting of the American Chemical Society, Division of  
Agrochemicals, Aug. 21-25  
Saranjampour, P. and **K. Armbrust.**

Kevin L. Armbrust Vitae  
Updated March 2022

Presented before the 32th Annual Meeting of the Society of Environmental Toxicology and Chemistry. Boston, MA. November 13-17, 2011.

Kevin L. Armbrust Vitae  
Updated March 2022

- Ruhs, C. J.-W., Kwon, K. Xia, **K.L. Armbrust**. (2008) *Biosorption of triclosan and triclocarban to bacterial biomass and its impact on their biodegradation*. Presented before the 29<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Tampa, FL, November 16-20, 2008.
- Xia, Kang, J.-W., Kwon, **K.L. Armbrust**, C. Ruhs. (2008) *Transformation and extractability of antimicrobial agents*

Kevin L. Armbrust Vitae  
Updated March 2022

Kwon, J-W and **K.L. Armbrust** (2006). *Fate of citalopram in irradiated water/sediment systems*

- Kwon, J-W and **K.L. Armbrust**, (2004). *Degradation of Chlorothalonil in Irradiated Water/Sediment Systems*. Presented before the 228th Annual Meeting of the American Chemical Society, Division of Agrochemicals, Philadelphia, PA. August 22-26, 2004.
- Armbrust, K.L.** and MC Black. (2004). *The Impact of Lawn Care Practices on Aquatic Ecosystems in Suburban Watersheds*. Presented at the 2004 EPA Science Forum, Washington D.C. June 1- 3, 2004.
- Black, MC and **K.L. Armbrust**. (2004). *The Environmental Occurrence, Fate, and Ecotoxicity of Prozac<sup>®</sup>, Paxil<sup>®</sup>, Zoloft<sup>®</sup>, Celexa<sup>®</sup>, and Luvox<sup>®</sup> in Aquatic Environments*. Presented at the 2004 EPA Science Forum, Washington D.C. June 1- 3, 2004.
- Kwon, J-W and **K.L. Armbrust**, (2004). *Hydrolysis and Photolysis of Citalopram, a selective Serotonin-Reuptake Inhibitor, in Aqueous Solutions*. Presented before the 227th Annual Meeting of the American Chemical Society, Division of Environmental Chemistry, Anaheim, CA. March 28 – April 1, 2004.
- Kwon, J-W and **K.L. Armbrust**, (2003). *Hydrolysis and Photolysis of Sertraline, a selective Serotonin-Reuptake Inhibitor, in Aqueous Solutions*. Presented before the 24<sup>th</sup> Annual Meeting of the Society of Environmental Toxicology and Chemistry, Austin, TX. November 8-13, 2003.
- Overmeyer, J.L., R. Noblet, and **K.L. Armbrust**, (2003). *Benthic Macroinvertebrate Assessments of*





Kevin L. Armbrust Vitae  
Updated March 2022

Waltz, C., **Armbrust, K.** and Landry, G. Chlorpyrifos and Chlorothalonil in Golf Course Leachate. Golf Course Management. September 2002.

**Armbrust, KL.** Pesticide Runoff from Turf. Through the Green. July /August 2001.

**Armbrust, KL.** Influence of Soil Binding Potential on Pesticide RunoffGTA Today. July/August 2001.

**Armbrust**