

# DEBORAH A. BIDWELL

## CURRICULUM VITAE

### PERSONAL

College of Charleston - Department of Biology  
66 George Street  
Charleston, SC, USA 29424

bidwelled@cofc.edu  
LinkedIn

### EDUCATION

- 2021 Certified Biomimicry Professional. Biomimicry 3.8. Missoula, MT, USA
- 2018 Master of Science in Biomimicry. Arizona State University and Biomimicry 3.8 Joint Program. Tempe, AZ, USA.
- o Biomimicry in the Undergraduate Curriculum
  - o Bat Collision with Wind Turbines: Deterring bats from aerial collision
  - o Natural Strategies for Managing Water in Rio de Janeiro Brazil
  - o Southeastern Maritime Forests as Genius of Place
- 1999 Master of Science in Zoology. University of New Hampshire, Durham, NH, USA.
- o The effects of Temperature on the Early Life History of Witch Flounder, *Glyptocephalus cynoglossus*.
- 1991 Bachelor of Science in Biology. University of New Hampshire, Durham, NH, USA.  
Concentration: Marine and Freshwater Ecology.

### PROFESSIONAL EXPERIENCE

- 2012-pres. Senior Instructor of Biology. College of Charleston. Charleston, SC
- 2022-pres. Biomimicry Mentor. Learn Biomimicry. Cape Town, South Africa
- 2022-pres. Biomimicry Consultant. Biomimesis Caribe. Baranquilla, Colombia
- 2021-pres. Biomimicry Consultant. Rewilding Resilience. Washington DC
- 2020-pres. Biomimicry Consultant. Beloved Economies. Atlanta, GA
- 2020-pres. Founding Partner. Sharing Nature's Genius LLC. Detroit, MI
- 2020-pres. Founder. Chickadee Biomimicry LLC. Charleston, SC
- 2020-pres. Key Research Fellow. Biomimicry for Social Innovation. Santa Fe, NM
- 2021-2022. Biomimicry Consultant. The Ray. LaGrange, GA
- 2021-2022 Biomimicry Consultant. Ashley Hall. Charleston, SC
- 2020-2022 Biomimicry Consultant. New Jersey Organizing Project. Stafford Township, NJ
- 2019-2020 Faculty Development Fellow. Sustainability Literacy Institute/Center for Sustainable Development. College of Charleston. Charleston, SC
- 2016-2018 Teaching Assistant. Arizona State University. Tempe, AZ
- 2015 Co-Director College of Charleston first year travel seminar Galapagos, Ecuador
- 2014 Co-Director College of Charleston fall study abroad program Trujillo, Spain
- 2006-2012 Instructor of Biology. College of Charleston. Charleston, SC
- 2009 Program Director. College of Charleston study abroad program Trujillo, Spain
- 2004-2008 Assistant Editor for ESL. Journal of the World Aquaculture Society. Baton Rouge, LA
- 2003-2006 Adjunct Instructor of Biology. College of Charleston. Charleston, South Carolina
- 2001-2002 Biology Teacher. American School of Bilbao. Berango, Spain
- 2000-2002 English Tutor. Privately. Bermeo, Spain
- 1999-2000 Resident Director. Hofstra University Marine Laboratory. St. Ann's Bay, Jamaica
- 1998-1999 Sink Gillnet Pinger Coordinator. New Hampshire Pinger Cooperative. Portsmouth, NH
- 1996-1999 Research and Teaching Assistant. University of New Hampshire. Durham, NH
- 1996 Research Assistant. Experimental cod jigging fishery. Portsmouth, NH
- 1995-1996 Fisheries Observer Field Trainer. Manomet Observatory for Conservation Science. Manomet, MA
- 1994-1996 Fisheries Observer. Manomet Observatory for Conservation Science. Manomet, MA
- 1992-1994 Fisheries Observer. Saltwater Incorporated. Anchorage, AK
- 1993 Program Coordinator. The Environmental Schools USA & Canada. Nova Scotia, Canada
- 1993 Teaching Assistant. Shoals Marine Laboratory. Appledore Island, ME
- 1991-1992 Instructor. The Environmental Schools USA & Canada. Ocean Park, ME
- 1991 Naturalist. Audubon Society of New Hampshire. Concord, NH

## DEBORAH A. BIDWELL

### PUBLICATIONS

- Singhal A, **Bidwell D**, Altherr A, Langford M. 2023. Biomimicry on The Ray: A Research Study of Biomimetic Pursuits. *The Ray | Let's Drive the Future*.  
<https://rayweb.wpenginepowered.com/wp-content/uploads/2023/04/Biomimicry-on-The-Ray-Report-2022.pdf>
- Stevens L, **Bidwell D**, Fehler M, and Singhal A. 2022. The Art and Science of Biomimicry—Abstracting Design Principles from Nature. In: Rezaei, N. (eds) *Transdisciplinarity. Integrated Science*, vol 5. Springer, Cham.  
[https://doi.org/10.1007/978-3-030-94651-7\\_29](https://doi.org/10.1007/978-3-030-94651-7_29)
- Rimington J, Cea JL, Herzlich T, **Bidwell D**, and Langford M. 2022. Seven Practices and Life's Principles. In *Beloved Economies* (pp. 343–356). Page Two.
- Bidwell D and Smirnoff D. 2022. Nature as mentor: catalyzing first year liberal arts and sciences undergraduate transition through a biomimicry first year seminar. *International Journal of Teaching and Learning in Higher Education*. 34(1): 124-143.
- Stevens L, Fehler M, **Bidwell D**, Singhal A, Baumeister D. 2022 Building from the Bottom Up: A Closer Look into the Teaching and Learning of Life's Principles in Biomimicry Design Thinking Courses. *Biomimetics* 7, 25.  
<https://doi.org/10.3390/biomimetics7010025>
- Singhal A, **Bidwell D**, Miller J, and Fuchs J. 2020. Urban resilience, inspired by nature. *Shashwat- Let Nature Be*. ISSN - 2581-9291
- Sancho G and **Bidwell D**. 2014. Natural history of Spain: teaching students about nature and culture in a foreign country. *Journal of Natural History Education and Experience* 8: 1-8.
- Bidwell D** and Howell WH. 2001. The effect of temperature on first feeding, growth, and survival of larval witch flounder *Glyptocephalus cynoglossus*. *Journal of the World Aquaculture Society* 32(4): 373-384.
- Rabe JH, Brown JA, **Bidwell D** and Howell WH. 1998. Preliminary observations on the larviculture of witch flounder (*Glyptocephalus cynoglossus*). *Bulletin of the Aquaculture Association of Canada* 98(2): 19-20.

### AWARDS

- 2021-22 Sabbatical Award. College of Charleston (CofC).
- 2020 Phi Kappa Phi Honor Society inductee.
- 2019 College of Charleston Distinguished Teaching Award. CofC.
- 2017 & 2018 Outstanding Service to First Year Students Award. CofC First Year Experience.
- 2013 School of Sciences & Mathematics' Faculty of the Year Award. CofC ExCEL awards.
- 2009 Global Scholar Award. CofC.

### INVITED PRESENTATIONS

- 2022-pres **Bidwell D**, Bustillo C, Altherr A. Sharing Nature's Genius Pioneer Community Nature's Design Lessons Weekly Workshop Series.
- 2022 Cea J, Rimington J, Lee M, and **Bidwell D**. *Beloved Economies: Transforming how we work*. Concordia. New Orleans, LA
- 2022 **Bidwell D** and Bustillo C. Sharing Nature's Genius. Green 2022 Biomimicry Granada. Online. Granada, Spain
- 2022 **Bidwell D**. Sharing Nature's Genius. Arizona State University DSC 540 Biomimicry. Online. Tempe, AZ
- 2022 Fehler M and **Bidwell D**. Design as Nature. Designing Resilient Regenerative Systems. Massive Open Online Course (MOOC). ETH Zürich, Switzerland.
- 2022 Almon B, Alvarado C, **Bidwell D**. Access Equity & Climate Panel. Biocene 2022 Transformation of Transportation. NASA. Cleveland, OH
- 2022 **Bidwell D**. Biomimicry on The Ray Biomimicry Education Training seminar series spring 2022. Led 15 weekly 90-minute seminars.

## **DEBORAH A. BIDWELL**

- 2022 **Bidwell D.** Biomimicry and Regenerative Transportation. Speed Dating with Scientists: continuing the conversation. South Carolina Aquarium Holland Lifelong Learning Series.
- 2021-22 **Bidwell D.** Ashley Hall Taking Action Globally: Biomimicry school-wide workshop series for 9<sup>th</sup> to 12<sup>th</sup> graders. Oct. 2021- May 2022. Facilitated 7 workshops.
- 2021 Bisi F, Bustillo C, Altherr R and **Bidwell D.** Sharing Nature's Genius. Biomimicry Ecotone Episode 13.
- 2021 Gavish A, Valenzuela R, Mangham C, Stevens L, Singhal A, Miller J, and **Bidwell D.** Ways of Learning: how to begin your biomimicry education. Biomimicry Club. Clubhouse.
- 2020 Wright J and **Bidwell D.** Climate Change: what the heck is it anyways? Climate Fridays. CofC.
- 2020 **Bidwell D.** Biomimicry – natural leadership strategies for collaborative workspaces. Office of Sustainable Development Summer 2020 Sustainability Internship Seminar Series CofC.
- 2020 **Bidwell D.** Biomimicry - emulating nature's adaptations to foster optimized human enterprise. Department of Biology Seminar Series. CofC.
- 2020 **Bidwell D.** Creating Wicked Students Faculty Development workshop series. CofC.
- 2020 **Bidwell D.** Wild Ideas: learning from nature to solve human problems. South Carolina Aquarium Holland Lifelong Learning Series. CofC.
- 2019 **Bidwell D.** Wild Ideas: Biomimicry emulates nature to solve human challenges University of New Hampshire Hodgdon Seminar Series. Durham, NH.
- 2019 **Bidwell D.** What's the buzz about biomimicry? University of New Hampshire Hodgdon Seminar Series Workshop. Durham, NH.
- 2019 **Bidwell D.** What would nature do? A biomimicry workshop to redesign packaging. CofC Center for Sustainability Internship Program. CofC.
- 2019 **Bidwell D.** Building Community and Belonging in the Large Introductory Classroom. The Teaching Learning Technology Conference TLTCOn 2019. CofC.
- 2019 **Bidwell D.** Do's and Don'ts from Current SLI Faculty. Sustainability Literacy Faculty Training 2019. CofC.
- 2019 **Bidwell D.** What's the buzz about biomimicry? Sustainability Literacy Institute Faculty Development Workshop. CofC.
- 2019 **Bidwell D.** Basics of field ornithology. Biomimicry Professional Training (BPro) Workshop Sapelo Island, GA.
- 2018 **Bidwell D.** Biomimicry: 3.8 billion years of sustainable solutions. College of Charleston Sustainability Literacy Institute Floodathon workshop. CofC.
- 2018 **Bidwell D.** Biomimicry: 3.8 billion years of sustainable solutions. College of Charleston Darwin Week Evolution Symposium. CofC.
- 2017 **Bidwell D.** Biomimicry: Nature as mentor, a path to sustainability. Historic Preservation and Community Planning - Special Topics in Preservation Project Management. CofC.
- 2017 **Bidwell D.** Sustainability Literacy promotional video. CofC.
- 2016-2017 **Bidwell D.** Biomimicry: Nature as mentor. Accepted Students Weekend. CofC.
- 2016 **Bidwell D.** Biomimicry: Nature as mentor, a path to sustainability. Quality Enhancement Plan Triple Bottom Line faculty panel. CofC.
- 2016 Hall C, **Bidwell D**, Abetz J. Little Fish, Big Pond – large class pedagogy The Teaching Learning and Technology Conference. CofC.
- 2016 Burnett W, Burluska C, **Bidwell D.** Assessing Tests and Assignments for Reliability and Internal Consistency. The Teaching Learning and Technology Conference. CofC.
- 2011 **Bidwell D**, Hurd M, Riggs-Gelasco P. Biology & Psychology: Gateway to neuroscience. 30<sup>th</sup> Annual Conference on the First Year Experience. Atlanta, GA.
- 2010 **Bidwell D.** Assessing a Biology-Math-English first year learning community: Why freshmen are not always like flounder. College of Charleston Biology Department Seminar Series. CofC.
- 2009 **Bidwell D.** Assessing a Biology-Math-English First-Year Learning Community: Statistical comparisons between learning community and regular first-year students. 22<sup>nd</sup> International Conference on the First Year Experience. Montreal, Canada.

## **DEBORAH A. BIDWELL**

- 2008 **Bidwell D.** Assessment of a successful science-based learning community utilizing a combined supplemental instruction approach. 21<sup>st</sup> International Conference on the First Year Experience. Dublin, Ireland.
- 2008 Kattiwinkel S and **Bidwell D.** Preparing faculty for an FYE class - an examination of a successful faculty training program. 21<sup>st</sup> International Conference on the First Year Experience. Dublin, Ireland.
- 1998 **Bidwell D.** Effects of temperature on the early life history of witch flounder, *Glyptocephalus cynoglossus*. Flatfish Biology Conference. Mystic, CT.
- 1998 **Bidwell D.** Benefits of green water: Effects on growth, survival and time to metamorphosis in winter flounder, *Pleuronectes americanus*. Flatfish Biology Conference. Mystic, CT.
- 1998 **Bidwell D.** Preliminary observations on the larviculture of witch flounder (*Glyptocephalus cynoglossus*). Aquaculture Canada '98. St. John's, Newfoundland
- 1998 **Bidwell D.** Preliminary investigations of witch flounder (*Glyptocephalus cynoglossus*) aquaculture in New England. World Aquaculture '98. Las Vegas, NV.
- 1997 **Bidwell D,** Howell WH, King N, Fairchild E, and Tomlinson A. Witch Flounder (*Glyptocephalus cynoglossus*) aquaculture. World Aquaculture '97. Seattle, WA.
- 1997 King N, Howell WH, Tomlinson A, **Bidwell D,** and Fairchild E. Effect of microalgae and live diet type on the growth of first feeding winter flounder *Pleuronectes americanus*. World Aquaculture '97. Seattle, WA.
- 1996 **Bidwell D,** Howell WH, King N, Fairchild E, and Tomlinson A. Witch flounder (*Glyptocephalus cynoglossus*) aquaculture. Flatfish Biology Conference. Mystic, CT.

### **INTERDISCIPLINARY TEACHING EXPERIENCE**

- BIOL 453/ENTR 360/ENVT 352/URST 453 *Biomimicry Thinking* is an upper level biomimicry design seminar uniting biology, entrepreneurship, urban studies and environmental & sustainability studies students in integrative problem-based learning.
- FYSE 108 *Biomimicry: Nature as mentor* is an interdisciplinary freshman seminar linking biology, engineering, design, sustainability, and communications
- BIOL 111 *MATH 120 STEM/SCAMP* is an interdisciplinary freshman learning community connecting calculus and biology through research and modeling of viral epidemiology.
- FYET 130 *Natural History of the Galapagos Islands* is a team-taught course including biology and geology with a travel field component in the Galapagos Islands, Ecuador.
- BIOL 250/250L *Natural History of Spain* was linked with English, Spanish and/or political science courses as part of a semester abroad program.
- BIOL 111, MATH 111/120, ENGL 101/110 *Connecting Science and Math through Active Learning* linked introductory majors' biology to precalculus or calculus and Freshman English.
- BIOL 111, PSYC 103 *Gateway to Neuroscience* linked introductory majors' biology to introductory psychology.

### **COURSES TAUGHT AT THE COLLEGE OF CHARLESTON**

- BIOL 101 Concepts and Applications in Biology I.
- BIOL 102 Concepts and Applications in Biology II.
- BIOL 111 Introduction to Cellular and Molecular Biology (traditional/online)
- BIOL 112 Evolution, Form and Function of Organisms (traditional/online)
- HONS 151 Honors Biology One
- HONS 152 Honors Biology Two
- BIOL 204 Humans and the Environment
- BIOL 211 Biodiversity, Ecology & Conservation Biology
- BIOL 211D Biodiversity, Ecology & Conservation Biology Discussion
- BIOL 250 Natural History of Spain



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BIOL 250L	Natural History of Spain Field Laboratory
BIOL 381	Biology Internship
BIOL 399	Biology Independent Tutorial
BIOL 406	Conservation Biology
BIOL 450	Problems in Biology
BIOL 453	Special Topics: Biomimicry Thinking (traditional/online)
BIOL 499	Bachelors Essay (traditional/online)
ENTR 360	Special Topics: Biomimicry Thinking (traditional/online)
ENVT 352	Special Topics: Biomimicry Thinking (traditional/online)
HONS 499	Honors Bachelors Essay (traditional/online)
HONS 399	Honors Immersion
FYSE 108	Biomimicry: Nature as mentor (traditional/online)
FYET 130	Natural History of the Galápagos Islands
SPAN 315	Spanish Special Assignment Abroad
URST 353	Special Topics: Biomimicry Thinking (traditional/online)

### **OTHER UNIVERSITY COURSES TAUGHT**

Bio-Brainstorm Practicum (TA), Biomimicry and Design (TA), iSites (TA). Tropical Marine Ecology, Ocean Research Projects (Student Advisor), Field Marine Science (TA), Human Anatomy and Physiology (TA)

### **GRANTS | SCHOLARSHIPS | SUPPORT**

2022	College of Charleston Biology Department travel support	\$1600
2022	Living Systems Leadership Tuition Scholarship	\$400
2021	College of Charleston Biology Department travel support	\$2600
2020	College of Charleston Biology Department Professional Development	\$2125
2019	Ray C. Anderson Nextgen Foundation. <i>Carbon Gardens</i> . With Biomimicry for Social Innovation T. Herzlich	\$5000
2019	College of Charleston Biology Department Professional Development	\$2000
2019	College of Charleston Biology Department travel support	\$2000
2019	College of Charleston Research & Development Grant	\$1225
2018	College of Charleston Innovative Teaching and Learning Small Grant	\$1500
2018	College of Charleston Biology Department Professional Development	\$2000
2018	Biomimicry 3.8 Biomimicry Professional Program scholarship	\$5000
2018	College of Charleston Biology Department travel support	\$1663
2017	College of Charleston Biology Department travel support	\$1900
2016	College of Charleston School of Math and Science Professional Development	\$2000
2015	College of Charleston Research and Development Grant	\$984
2015	College of Charleston Biology Department Research and Development	\$1500
2015	College of Charleston First Year Experience professional development	\$3000
2015	Howard Hughes Grant summer support	\$1500
2014	College of Charleston First Year Experience travel seminar support	\$1500
2014	College of Charleston Teaching, Learning and Technology support	\$1500
2014	College of Charleston First Year Experience travel support	\$1500
2014	Howard Hughes Grant travel support	\$1500
2013	Howard Hughes Grant, learning community support	\$1500
2013	College of Charleston Biology Department, travel	\$2045
2012	College of Charleston Biology Department, travel	\$1500
2011	Howard Hughes Grant, learning community support	\$1500
2011	College of Charleston Biology Department, travel	\$1553
2010	Howard Hughes Grant, learning community support	\$1500
2010	College of Charleston Biology Department, travel	\$1450
2009	Howard Hughes Grant, learning community support	\$1500
2009	College of Charleston Biology Department, travel	\$1785
2009	College of Charleston Office of the Academic Experience, travel	\$200

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2008	College of Charleston Biology Department, travel	\$1147
2008	College of Charleston Office of the Academic Experience, travel	\$350
2008	College of Charleston Biology Department, travel	\$1260
2008	College of Charleston Office of the Academic Experience, travel	\$1584
2007	College of Charleston Office of the Academic Experience, travel	\$1150
2007	College of Charleston Office of the Academic Experience Supplemental stipend, Learning Communities Workshop and Training.	\$2000
2006	College of Charleston Office of the Academic Experience, travel	\$656
1997-1999	Canadian Centre for Fisheries Innovation St. John's, Newfoundland, Canada. <i>Aquaculture of small flatfish: witch flounder.</i> With W. H. Howell, PI	\$35,682
1997-1999	Hubbard Marine Endowment Durham, New Hampshire, USA <i>Witch flounder aquaculture.</i> With W. H. Howell, PI	\$10,142
1996	International Women's Fishing Association Tallahassee, FL Scholarship	\$500

### **BIOMIMICRY COURSEWORK**

Essentials of Biomimicry, Biology Taught Functionally, i-Sites, Life's Principles, Human-Nature Connection, Communicating Biomimicry, Teaching Biomimicry, Biomimicry and Design, Biomimicry Thinking, Bio-Brainstorm Practicum, Biomimicry and Engineering, Biomimicry Virtual Design Laboratory, Biomimicry Genius of Place Practicum

### **PROFESSIONAL DEVELOPMENT**

2023	Teaching, Learning & Technology Conference (TLTCon) 2023. Cofc.	
2023	College of Charleston Faculty Liberal Arts and Sciences Sustainability Focused Colloquium (FLASC). CofC.	
2023	College of Charleston Equal Opportunity Program Seminar. CofC.	
2022	First Annual BPro 5 <sup>th</sup> Cohort Reunion Workshop. Scaly Mountain, NC	
2022	Ray Day. The Ray C. Anderson Foundation. Serenbe, GA	
2022	Living Systems Leadership Conference. Biomimicry for Social Innovation. Ocamora, NM.	
2022	South Carolina Coastal Master Naturalist Certification. Clemson Extension. Clemson, SC.	
2022	Natural History Interpretation Training. Charleston County Park & Recreation Commission. Charleston, SC.	
2022	Biomimicry and Health Workshop. BiomimicryNL. Online.	
2021	Biomimicry 3.8 BPro Workshop. La Cusinga. Uvita, Costa Rica.	
2021	Biomimicry 3.8 BPro Workshop. Boulder Rim. Torrey, Utah.	
2020-pres.	Biomimicry Fireside Chats. Biomimicry Institute. Online.	
2020-pres.	Biomimicry Ecotone. Online.	
2020	Incorporating Open Educational Resources online course. CofC.	
2020	Biomimicry Futures: Nature's Lessons on Resilience and Regeneration. The Institute for Climate and Peace. Online.	
2020	Own the Room for Teaching & Professional Development. CofC.	
2020	Centering Equity and Justice in a Circular Economy. Green Biz Circularity 2020. Online.	
2020	Interrupting Racism in the Classroom. Teaching to Engage and Activate. CofC.	
2020	Abolitionist and Ecofuturist Perspectives to End Environmental Racism. Climate Fridays. CofC.	
2020	First Year Experience Faculty Workshop. CofC.	
2020	Biomimicry Professional Certification Virtual Bridge immersion. Biomimicry 3.8 and Biomimicry for Social Innovation. Online.	
2020	Office of Sustainable Development Tier 2 Faculty Cohort Training. CofC.	
2020	The Teaching Learning Technology Conference TLTCon 2020. CofC.	
2020	Biomimicry 3.8 BPro Workshop. Serra do Cipó National Park, Brazil.	
2019	+Acumen and Omidyar Group. Systems Practice. Online.	
2019	Commune. Soil is the Climate Solution. Online.	
2019	Mixing masculinities, policies, & ethics of care across disciplinary teaching. Faculty Development Workshop. CofC.	
2019	Biomimicry 3.8 BPro Workshop. Tofino, British Columbia, Canada.	

## **DEBORAH A. BIDWELL**

- 2019 National Resource Center Institute on Developing and Sustaining First-Year Seminars. Columbia, SC.
- 2019 Exploring the First Year Experience Faculty Development Workshop 2019. CofC.
- 2019 Unlearning Racism. Racial Justice Faculty Development Workshop CofC.
- 2019 The Pomodoro Technique of Writing. Faculty Development Workshop. CofC.
- 2019 Queer Eye for the Classroom Faculty Workshop. CofC.
- 2018 Biomimicry 3.8 BPro Workshop. Mesa, AZ.
- 2018 Biomimicry 3.8/Arizona State University Biomimicry Flock Workshop Oracle, AZ.
- 2018 First Year Experience Faculty Workshop. Panel Member. CofC.
- 2018 Quality Enhancement Plan Sustainability Literacy faculty training. Panel Member. CofC.
- 2018 Spring Break Writer's Retreat. CofC.
- 2017 Quality Enhancement Plan Sustainability Literacy Workshop. CofC.
- 2017 First Year Experience Faculty Workshop. CofC.
- 2015-2018 Biomimicry graduate studies through Biomimicry 3.8 and Arizona State University.
- 2016 Quality Enhancement Plan Sustainability Literacy faculty training, CofC.
- 2015 College of Charleston Interdisciplinary Research Interest Exchange (IRIE). CofC.
- 2015 Collaborative Institutional Training Initiative (CITI) Basic/Refresher Course. CofC.
- 2014 Sea Semester Colleague Cruise on SSV Corwith Cramer. Cadiz to Cartagena, Spain
- 2014 Faculty Distance Education Readiness training course. Teaching Learning & Technology (TLT). CofC.
- 2014 33<sup>rd</sup> Annual Conference on the First Year Experience. San Diego, CA.
- 2014 Experiential Education Workshop 33<sup>rd</sup> Annual Conference on the FYE. San Diego, CA.
- 2014 Provost's Study Abroad Assessment Workshop. CofC.
- 2014 Provost's Workshop on Adjunct Faculty Development Program: Biology Report. CofC.
- 2013 Fall Break Writer's Retreat. CofC.
- 2013 Biology Department Adjunct Mentoring Fall Workshop Series. CofC.
- 2013 Universal Design Faculty Workshop by Molly Boyle. CofC.
- 2013 First Year Experience Faculty Workshop. CofC.
- 2013 How to Advise Diverse Learners Workshop by Molly Boyle. CofC.
- 2013 Supplemental Instruction Faculty Workshop. CofC.
- 2013 32<sup>nd</sup> Annual Conference on the First Year Experience. Orlando, FL.
- 2013 Assessment Workshop 32<sup>nd</sup> Annual Conference on First Year Experience. Orlando, FL.
- 2012 Exploring the First Year Experience Workshop and Connecting the Disciplines Conference. CofC.
- 2011 The OpEd Project Workshop. CofC.
- 2011 Collaborative Institutional Training Initiative (CITI) Basic/Refresher Course
- 2010 OAKS Boot Camp. Information Technology. TLT. CofC.
- 2010 Mastering Biology Workshop Pearson /Benjamin Cummings. Charleston, SC
- 2010 First Year Experience Learning Communities Workshop. CofC.
- 2008 Engaging Science, Advancing Learning: General Education, Majors, and the New Global Century. AAC&U. Providence, RI.
- 2008 Discussion of Active Learning Strategies in Large Classrooms (Diane O'Dowd). CofC
- 2008 First Year Experience Learning Communities Workshop. CofC.
- 2008 Workshop participant for marine-theme Carolina Prep Academy (CPA) charter school.
- 2007 National Project for Assessing Learning in Learning Communities. Seattle, WA.
- 2007 First Year Experience Learning Communities Workshop. CofC.
- 2006 Problem Based Learning/Collaborative Learning Workshop. CofC.
- 2006 South Carolina Marine Educators Association Conference. Seabrook Island, SC.
- 2006 International Writing Across the Curriculum Conference. Clemson, SC.
- 2005 Problem Based Learning Workshop. CofC.
- 2002 First International Symposium on Domestication of the Blue Fin Tuna. Cartagena, Spain

### **SERVICE**

- 2010-2023 College of Charleston Campus-wide Service  
Commencement name reader

## **DEBORAH A. BIDWELL**

Distinguished Teaching & Distinguished Adjunct Teaching Award Committees  
Biomedical Engineering Committee  
Sustainability Literacy Quality Enhancement Plan faculty  
First Year Experience Quality Enhancement Plan faculty  
Women's and Gender Studies affiliated faculty  
Faculty Advisor College Diabetes Network  
Faculty Advisor Phi Sigma Pi (2016-2019)  
General Education Committee (2014-2015)  
Eco Representative for Biology (2009-2015)  
Honors College Committee (2010-2011)  
Sustainability Committee (2008-2011)

2010-2023 College of Charleston Biology Department Service:  
Search Committee- Visiting Assistant Professor (Cell Molec. Biology) 2023  
Public Relations Committee (2022-23)  
Search Committee for Assistant Professor, Neuroscientist (2022-23)  
General Biology Steering Committee (2006-07, 10-12, 15-18, 19-20)  
Chair's Advisory Committee (2007-17, 2019-21, 2022-present)  
Adjunct Committee (2006-09, 2012-15, 2019-21 Chair 2014, 2020, 2022-23)  
Library Liaison (2018-19)  
Search Committee for Assistant Professor, Microbiologist (2017)  
Research & Development Committee, Chair (2017-2018)  
Assessment Committee (2009-2016)  
Search Committee for Biology Department Chair (2015)  
Search Committee for Biology Department Lecturer/Lab Manager (2015)  
Biology Curriculum Committee (2008-2011)

2010-2023 Other Professional and Community Service:  
Watershed Society volunteer, South Carolina Aquarium  
Biocene Conference Planning Committee 2023  
Town of James Island Planning Commission Vice Chair  
Biomimicry Institute Curriculum Advisory Council  
Coastal Master Naturalist volunteer  
Sharing Nature's Genius Pioneer Community coordinator  
Arizona State University Biomimicry Master's student project advisor  
MUSC Teaching Extern Mentor  
Charleston County Public Schools volunteer  
SURF soccer club volunteer  
STEM Outreach – Trebuchet construction Fort Johnson Middle School  
STEM Outreach – Storm the Citadel trebuchet competition  
STEM Outreach – Job Shadow Day host, Fort Johnson Middle School  
Accepted students weekend faculty panel participant  
Accepted students weekend invited faculty lecturer  
ECOllective student sustainability project recruitment CofC  
Convocation participant CofC  
Commencement participant CofC  
Study Abroad Assessment Working Group CofC  
Biology Department Adjunct Mentor Pilot Program Coordinator CofC  
Family Orientation participant, CofC  
Ask-a-Prof participant, CofC  
Search Committee for Director of Center for Student Learning CofC  
South Carolina Aquarium Alliance member (2006-2013)  
Office of Institutional Diversity Selection Committee Woman of the Year CofC  
Sponsored child in Senegal through age 18  
Sponsoring child in Paraguay



***DEBORAH A. BIDWELL***

Fundraise for Cystic Fibrosis Foundation  
Fundraise for Donate Life

***ADDITIONAL SKILLS***

Spanish fluency, naturalist, online instruction/distance education, nature journaling, commercial fishing experience, small boating experience, sailing experience, coastal navigation, snorkeling instructor, backpacking instructor, general plumbing, basic carpentry, aquarist, gardener, CPR. Spent over a year at sea on the Bering Sea and North Atlantic. SCUBA certified. Successfully thru-hiked the Appalachian Trail from Georgia to Maine in 1994.