

**LAURI GREEN, PHD**  
**Curriculum Vitae**

Bloomsburg University  
Biological and Allied Health Sciences  
115 Hartline Science Center Rd.  
Bloomsburg, PA, 17815

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Danville, PA, 17821  
lgreen@bloomu.edu  
570-389-3813  
www.drlaurigreenresearch.com

**EDUCATION**

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| Ph.D. | <b>Biology</b> , University of California, Los Angeles<br>Dissertation: Macroalgal mats control trophic structure and shorebird foraging behavior in a southern California estuary. | 2011 |
| B.S.  | <b>Ecology, Behavior and Evolution</b> , University of California, Los Angeles  | 2002 |

**PROFESSIONAL APPOINTMENTS**

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| 2017-Present | <b>Assistant Professor</b> , Bloomsburg University   |
| 2014-2017    | <b>Postdoctoral Research Fellow</b> , Oak Ridge Institute for Science and Education (ORISE), U.S. Environmental Protection Agency  |
| 2012-2014    | <b>Postdoctoral Research Associate</b> , Florida Atlantic University, Harbor Branch Oceanographic Institute                        |
| 2010-2012    | <b>Postdoctoral Research Associate</b> , University of California, Los Angeles, Southern California Coastal Water Research Project |

**PUBLICATIONS**

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| 2020 | <b>Green, L.,</b> Magel, C., Brown, C. 2020. Management pathways for the successful reduction of nonpoint source nutrients in coastal ecosystems. <i>Regional Studies in Marine Science</i> (Accepted with Revision) |
| 2018 | Calle, L. <b>Green, L.,</b> Strong, A., Gawlik, D. 2018. Time-integrated habitat availability is a resource attribute that informs patterns of use in intertidal areas. <i>Ecological Monographs</i> . 1-21          |

- 2017 Yee, S., Bousquin, J., Bruins, R., Canfield, T., DeWitt, T., De Jesus-Crespo, R., Dyson, B., Fulford, R., Harwell, M., Hoffman, J., Littles, C., Mckane, R., **Green, L.**, Russell, M., Sharpe, L., Seeteram, N., Tashie, A., Williams, K. Practical Strategies for Integrating Final Ecosystem Goods and Services into Community Decision-Making. Report number: EPA/600/R-17/266 United States Environmental Protection Agency.
- 2016 Calle, L., Gawlik, D., Xie, Z., **Green, L.**, Lapointe, B., Strong, A. Tidal periodicities and foraging time-constraints give insight into mechanisms driving a wading bird numerical response to changes in habitat. *The Auk*. 133(3): 378-396
- 2015 **Green, L.**, Fong, P. The good, the bad and the *Ulva*: The density dependent role of macroalgal subsidies in influencing diversity and trophic structure of an estuarine community. *Oikos*. 125: 988-1000. DOI: 10.1111/oik.02860
- 2015 **Green, L.**, Gawlik, D., Lapointe, B., Calle, L. Relative effects of physical and small-scale factors on the distribution of tropical seagrasses in the Great White Heron National Wildlife Refuge, Lower Florida Keys. *Aquatic Botany*. 124: 45-53
- 2015 **Green, L.**, Lapointe, B., Gawlik, D. Winter nutrient pulse and seagrass epiphyte bloom: Evidence of anthropogenic enrichment or natural fluctuations in the Lower Florida Keys? *Estuaries and Coasts*. 8(6): 1854-1871. DOI: 10.1007/s12237-015-9940-8
- 2015 **Green, L.**, Fong, P. A small-scale test of the species-energy hypothesis in a southern California estuary. *Journal of Experimental Marine Biology and Ecology*. 464: 35-43. DOI: 10.1016/j.jembe.2014.12.012
- 2014 **Green, L.**, Blumstein, D., Fong, P. Macroalgal mats in a eutrophic estuary obscure visual foraging cues and increase variability in prey availability for some shorebirds. *Estuaries and Coasts*. 38: 917-926. DOI: 10.1007/s12237-014-9862-x
- 2014 **Green, L.**, Sutula, M., Fong, P. How much is too much? Identifying benchmarks of adverse effects of macroalgae on the macrobenthic community in estuarine intertidal flats. *Ecological Applications*. 24 (2): 300-314
- 2014 Sutula, M., **Green, L.**, Cicchetti, G., Detenbeck, N., Fong, P. Thresholds of adverse effects of macroalgal abundance and sediment organic matter on benthic habitat quality in estuarine intertidal flats. *Estuaries and Coasts*. 37: 1532-1548

- 2011 **Green, L.** *Macroalgal mats control trophic structure and shorebird foraging behavior in a southern California estuary.* Ph.D. Dissertation. University of California, Los Angeles
- 2011 Sutula, M., Fong, P., Kaldy, J., Gillette, D., **Green, L.**, Kennison, R., Madden, C., McLaughlin, K., Ranasinghe, J. Review of indicators for development of Numeric Nutrient Endpoints in California. Southern California Coastal Water Research Project. Technical Report No. 646
- 2004 Gould, M., **Green, L.**, Altenau, B., Blumstein, D. A study of the species-confidence hypothesis with spiny-cheeked honey eaters (*Acanthagenys rufogularis*). *Emu*. 104: 267-271

### **In preparation**

\*Roper, V., Corbin, C., Rier, S., **Green, L.** Tree Swallow breeding biology and the phenology of emergent insect prey in artificial and natural wetlands surrounded by intensive agriculture in Pennsylvania. Target Journal: *Journal of Field Ornithology*

\*Graduate student

### **AWARDS AND HONORS**

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- 2019 Pennsylvania State System of Higher Education, Faculty Professional Development Council (\$9999)
- 2019 Pennsylvania State System of Higher Education, Minigrant (\$3132)
- 2017 ORISE Fellowship (\$72,300)
- 2016 ORISE Fellowship (\$70,152)
- 2015 ORISE Fellowship (\$69,292)
- 2006 Linda Scott Brown Grant for avian biology (\$2000)
- 2005 Vavre Grant for organismal plant biology (\$1000)
- 2004 Vavre Grant for organismal plant biology (\$1000)
- 2002 Cum Laude

## INVITED TALKS

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- 2012 Science supporting the establishment of macroalgal Numeric Nutrient Endpoints. The California Water Quality Monitoring Collaboration Network, webinar. October, 31<sup>st</sup>

## CONFERENCE ACTIVITY

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### Papers

- 2016 Can a model transferability framework improve ecosystem service estimates? A case study of Soil forest carbon sequestration in Tillamook Bay, OR, USA. A Community on Ecosystem Services Conference, Jacksonville, FL. December 5-9.
- 2015 Opening the black box: Evaluation of nonpoint source management of nutrients into estuarine watersheds. Coastal Estuarine Research Federation Conference, Portland, OR. November 8-12.
- 2013 Which species of seagrass provides better foraging habitat for wading birds? American Field Ornithologists Meeting, Venus, FL. March 27-30.
- 2010 Macroalgal mats drive shifts in the abundance and composition of estuarine mudflat faunal communities via accumulation of hydrogen sulfide. California Estuarine Research Society Conference, San Diego, CA. November 3-7.
- 2009 Macroalgal mats alter prey availability and foraging behavior of shorebirds in a southern California estuary. Coastal Estuarine Research Federation Conference, Portland, OR. November 1-5.
- 2009 Are macroalgal blooms bad for foraging shorebirds? California Estuarine Research Society Conference, Bodega Bay, CA. March 16-17.
- 2008 Uncoupling the influences of macroalgae on benthic infauna in a southern California estuary. California Estuarine Research Society Conference, Ensenada, Baja California. April 27-29.

2007 Food web impacts by blooming macroalgae in a southern California estuary. California Shore and Beach Preservation Association Conference, Long Beach, CA. April 26.

### Posters

2019 \*Parental foraging effort of Tree Swallows (*Tachycienta bicolor*) in different chick age classes. Susquehanna Valley Undergraduate Research Symposium. Bucknell University, PA. July 31<sup>st</sup>.

2019 \*Emergence rates of wetlands insects positively related to Tree Swallow chick abundance. Disappearing Boundaries Conference. Lebanon Valley College, PA. July 17<sup>th</sup>.

2019 \*Emergence rates of wetland insects positively related to Tree Swallow chick abundance. American Ornithological Society Conference. Anchorage, AL. June 24<sup>th</sup>- 28<sup>th</sup>.

2011 Macroalgal blooms in California estuaries drive changes in macrofaunal abundance and community structure from the bottom up. Coastal Estuarine Research Federation Conference, Daytona Beach, FL. November 6-10.

2007 Evidence of elevated and chronic macroalgal cover on mudflats in a southern California estuary. Implications for food web impacts and shorebird management. California Estuarine Research Society Conference, Bodega Bay, CA. March 18-20.

\*Co-authored with students

### Sessions Organized

2017 Coastal Estuarine Research Federation, Providence, RI. November 5-9.  
Coastal ecosystem goods and services: delivery, valuation, and sustainability.

2017 Coastal Estuarine Research Federation, Providence, RI. November 5-9.  
Enhancing diversity in science education. Lessons learned.

## Service

- 2017 Coastal Estuarine Research Federation, Providence, RI. November 5-9.  
Co-chair of committee to enhance diversity representation in science
- 2015 Coastal Estuarine Research Federation Conference, Portland, OR.  
November 8-12.  
Mentor for undergraduate and graduate student attendees
- 2010 California Estuarine Research Society, San Diego, CA. November 3-7.  
Poster/Presentation Judge

## DEPARTMENTAL TALKS

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- 2018 What the muck? Eutrophication from academic, state and federal perspectives.  
Bloomsburg University. Bloomsburg, PA
- 2015 Macroalgae: My search for a threshold to serve as a biotic indicator of  
eutrophication. U.S. EPA WED Division Seminar Series. Newport, OR
- 2014 Does nutrient enrichment influence wading bird distribution in the Great White  
Heron National Wildlife Refuge, Florida Keys? Harbor Branch Oceanographic  
Institute Ocean Science Lecture Series. Fort Pierce, FL
- 2012 Eutrophication alters trophic functioning in coastal ecosystems. Harbor Branch  
Oceanographic Institute. Departmental Seminar. Fort Pierce, FL
- 2010 Macroalgal mats control trophic structure and shorebird foraging behavior in a  
southern California estuary. University of California, Los Angeles. Ecology,  
Evolutionary Biology. Departmental Seminar. Los Angeles, CA
- 2006 Macroalgal mats alter food web functioning in a eutrophic estuary. University of  
California, Los Angeles. Ecology, Evolutionary Biology. Departmental Seminar.  
Los Angeles, CA

## **TEACHING EXPERIENCE**

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### **Bloomsburg University, Assistant Professor**

Animal Behavior (Fall 2020)

Animal Behavior Individualized Instruction (Spring 2019)

Biodiversity and Conservation (Fall 2017, Spring 2018, Fall 2018, Fall 2019, Spring, 2020, Fall 2020)

Concepts 1 Laboratory (Fall 2017, Spring 2018, Fall 2018, Fall 2019, Spring 2020)

Concepts 2 Laboratory (Fall 2017, Spring 2019)

Current Topics-Research Methods in Environmental Science (Spring 2018)

Ecology and Evolution (Fall 2019, Spring 2020, Fall 2020)

Marine Ecology (Summer 2018)

### **Portland Community College, Adjunct Professor**

Introduction to Biology (Summer 2014)

### **Centers for Ocean Science Education Excellence, Workshop Organizer and Leader**

Marine science workshops for K-12 educators (Spring, Summer, Fall 2008)

### **University of California, Los Angeles, Instructor Mini Course**

Environmental Science (Spring 2006)

### **University of California, Los Angeles, Teaching Fellow**

Evolution (Fall 2005)

Introduction to Biology (Summer 2005)

Marine Botany (Spring 2005)

Ecology and Animal Behavior (Winter 2005)

### **University of California, Los Angeles, Teaching Assistant**

Introduction to Biology (Fall 2004)

Ecology and Animal Behavior (Summer 2004)

Introduction to Biology (Spring 2004)

Marine Biology (Winter 2004)

Chemical Communications (Fall 2003)

Evolution (Spring 2003)

Introduction to Biology (Winter 2003)

Introduction to Biology (Fall 2002)

## RESEARCH MENTOR

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- 2017-Present **Bloomsburg University**  
Graduate and undergraduate research
- 2014-2016 **US Environmental Protection Agency**  
ORISE Post Masters Fellow
- 2012-2014 **Florida Atlantic University, Harbor Branch Oceanographic Institute**  
Graduate and undergraduate research
- 2010-2012 **University of California, Los Angeles, Southern California Coastal Water Research Project**  
Graduate and undergraduate research
- 2002-2010 **University of California, Los Angeles**  
Undergraduate research

## RESEARCH EXPERIENCE

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- 2002-2011 **Doctoral Candidate**, University of California, Los Angeles

## PROFESSIONAL SERVICE

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- 2017-Present **Bloomsburg University**  
Environmental Science Learning Community, Co-director, Teaching and Learning Center Representative, departmental curriculum committee, safety committee, environmental science committee, graduate committee, thesis committees, California State University system graduate student grant reviewer, Coastal Estuarine Research Federation William A. Niering Award committee
- 2015-Present **US Environmental Protection Agency**  
Professional development workshops for EPA interns, organizer  
Active Shooter Training Drill, organizer  
Disaster preparedness fundraiser for the Hatfield Marine Science Center, organizer



2011-Present **Peer Review**

*Biodiversity and Conservation, Botanica Marina; PLOS One; Journal of Sea Research; Environment, Development and Sustainability; Journal of Coastal Research; Bird Study; The Auk; US Environmental Protection Agency*

**PROFESSIONAL MEMBERSHIPS**

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2017-Present Susquehanna River Coalition

2017-Present Briar Creek Watershed Association

2003-2017 Coastal Estuarine Research Federation

2003-2008 California Estuarine Research Society

2012-2014 Ecological Society of America

**CERTIFICATIONS/TRAININGS**

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2018 QPR (Question, Persuade, Refer) suicide prevention training

2018 LGBTQA 101

2015-2016 Numeric Nutrient Criteria EPA Webinar Series

2012 Florida Boater Safety Certification, 200+ hours small boat operation

2002 Teaching assistant training

2002 National Association of Underwater Instructors (NAUI) Master Diver

**SKILLS**

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Intermediate R, JMP, ArcGIS, mapping and spatial analysis, multivariate analyses, information theoretic modeling, field experimental design and execution, SCUBA, boat handling, invertebrate identification, algal identification, chlorophyll extraction, nutrient analysis, stable isotope analysis, biogeochemical analyses, focal analysis, BORIS, JWatcher, ImageJ

## RESEARCH IN THE PRESS

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### Television

“Tree Swallow Update” Pennsylvania Outdoor Life. WNEP, Airdate: June 21<sup>st</sup>, 2020

“The Tree Swallows are Back!” Pennsylvania Outdoor Life. WNEP. Airdate: May 17<sup>th</sup>, 2020

“Update on Tree Swallow Project.” Pennsylvania Outdoor Life. WNEP. Airdate: June 16<sup>th</sup>, 2019

“Tree Swallow Project.” Pennsylvania Outdoor Life. WNEP. Airdate: March 3<sup>rd</sup>, 2019

### Print

Zavislak, Haley. “Efforts hatch a success story.” *Press Enterprise*. Bloomsburg. June 22<sup>nd</sup>, 2019

Jackson, Kent. “Searching for answers.” *The Citizens’ Voice*. Wilkes-Barre. March 10<sup>th</sup>, 2019

Miller, Gabriel. “A little birdie told me.” *The Voice. Bloomsburg University Campus Newspaper*. February 7<sup>th</sup>, 2019

Zavislak, Haley. “BU Research is for the birds.” *Press Enterprise*. Bloomsburg. January 29<sup>th</sup> 2019