

Gina Louise Shamshak

1021 Dulaney Valley Road
Van Meter Hall G38
Baltimore, Maryland 21204
gina.shamshak@goucher.edu
410-337-6261

EDUCATION:

University of Rhode Island, Kingston, Rhode Island

Ph.D., Environmental and Natural Resource Economics, May 2009
Dissertation Topic: "Economics of Bluefin Tuna Aquaculture in the United States"
Dissertation Committee: James L. Anderson (Chair), Cathy Roheim, David Bengtson

Boston University, Boston, Massachusetts

Dual Degree (BA/MA) Program

Master of Arts, Economics, September 2001
Bachelor of Arts, Economics, September 2001
Minor: Environmental Analysis and Policy

PROFESSIONAL EXPERIENCE:

2015-present *Associate Professor, Economics, Goucher College, Baltimore, MD*
2009-2015 *Assistant Professor, Economics, Goucher College, Baltimore, MD*
2002-2008 *Instructor; Research Assistant, University of Rhode Island, Kingston, RI*
2005-2006 *Knauss Sea Grant Fellow, National Marine Fisheries Service, Silver Spring, MD*
2001-2002 *Adjunct Faculty, Bay State College, Boston, MA*
2001-2002 *Economist, U.S. Department of Labor, Bureau of Labor Statistics, Boston, MA*

HONORS & AWARDS:

2014-2015 *Excellence in Teaching Award for Tenure-Track Faculty, Goucher College*
2010-2011 *Honorable Mention, Best Student Paper, NAAFE 2011 Conference*
2009-2010 *Dissertation of the Year, IAAEM 2010 Ph.D. Dissertation Award*
2008-2009 *Honorable Mention, Best Student Paper, NAAFE 2009 Conference*
2008-2009 *Thomas Weaver Award: Outstanding Contribution to the Academic Community, University of Rhode Island*
2005-2006 *National Sea Grant Dean John A. Knauss Marine Policy Fellowship*
2004-2005 *University of Rhode Island Graduate Tuition Scholarship*
1997-2001 *Boston University Cardinal Medeiros Full Tuition Scholarship*

EXTERNAL GRANTS:

(Successful grants in bold)

- 2018-2020** **Georgia Sea Grant / NOAA Sea Grant Program. “A Social Census of Georgia’s Working Waterfronts.” (\$150,000 awarded) Subcontract with Jennifer Sweeney Tookes (PI) Georgia Southern University.**
- 2017-2018** **FY 2017 Marine Fisheries Initiative /NOAA-NMFS. “Federal regulatory impact on Southeastern crews and processor employees: A pilot study” (\$108,788 Awarded). Subcontract with Tracy Yandle (PI), Emory University.**
- 2016-2017 FY 2017 Saltonstall-Kennedy Grant Program. NOAA-NMFS. “Quantification and mitigation of elasmobranch interactions with trawl nets in the Georgia shrimp fishery” (\$293,989 requested). Subcontract with Dr. Christine Bedore (PI) Georgia Southern University.
- 2014-2016** **Georgia Sea Grant / NOAA Sea Grant Program. “Can the Local Food Movement Be an Opportunity for Georgia Seafood Producers to Participate in the Inland Seafood Market?” (\$120,000 awarded) Subcontract with Tracy Yandle (PI), Emory University.**
- 2012-2014 NOAA Aquaculture, National Marine Aquaculture Initiative Grant Program. “Assessing the Bioeconomics of Intertidal Farmed Geoduck Production in Washington State: A Dynamic Stochastic Bioeconomic Modeling Approach.” (\$51,000 requested) Principal Investigator.
- 2006-2008** **NOAA Aquaculture Research Grant. “Economics of Bluefin Tuna Aquaculture.” (\$65,000 awarded) Co-PI with James L. Anderson.**
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PEER-REVIEWED PUBLICATIONS:

- Shamshak, Gina L.**, Anderson JL, Asche F, Garlock T, Love DC. 2019. U.S. seafood consumption. *J World Aquacult Soc.* 2019: 1–13. <https://doi.org/10.1111/jwas.12619>
- Shamshak, Gina L.** and Jonathan King. 2015. “From Cannery to Culinary Luxury: The Evolution of the Global Geoduck Market.” *Marine Policy.* Volume 55. 81-89.
- Shamshak, Gina L.** 2011. “Economic Evaluation of Capture-Based Bluefin Tuna Aquaculture on the US East Coast.” *Marine Resource Economics.* Volume 26(4). 309-328.
- Shamshak, Gina L.** and James L. Anderson. 2009. “Dynamic Stochastic Adaptive Bioeconomic Model of Offshore Bluefin Tuna Aquaculture.” *Aquaculture Economics and Management.* Volume 13(2). 155-175.
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OTHER PUBLICATIONS & REPORTS:

(* indicates student authors)

Bast, Ellen* and **Gina L. Shamshak**. 2015. "Environmental Problems facing the US Economy" in *The American Middle Class: An Economic Encyclopedia of Progress and Poverty*. Ed. Robert Rycroft. ABC-CLIO.

Shamshak, Gina L. 2012. "Assessing the Economic Feasibility of Bluefin Tuna Aquaculture in the United States: Opportunities, Challenges, and Future Directions." Miyashita, S., Takii, K., and A. Biswas (Editors) *Proceedings of the Final Global COE Program: International Symposium of Kinki University in Kushimoto 2012, "Innovative Technology and Globalization of Tuna Aquaculture."*

King, Jonathan, and **Gina L. Shamshak**. 2012. "The Evolving World Market for Geoduck." *Journal of Shellfish Research*. Volume 31(1). 305. *Abstracts of Technical Papers Presented at the 104th Annual Meeting of the National Shellfisheries Association*. Seattle, Washington. March 24-29, 2012.

Shamshak, Gina L. and James L. Anderson. 2011. (In Spanish) "Ventajas de la produccion de proteina frente al incremento en el costo de alimentos: identificando oportunidades en la industria acuicola" *Panorama Acuicola* Mayo-Junio 2011. Vol. 16. No. 4.

Shamshak, Gina L. and James L. Anderson. 2011. "Application of a Dynamic Stochastic Adaptive Bioeconomic Model to Evaluate the Economics of Offshore Bluefin Tuna Aquaculture in the United States." Stickney, R., R. Iwamoto, and M. Rust (Editors). *Interactions of Fisheries and Fishing Communities Related to Aquaculture: Proceedings of the 38th US-Japan Natural Resources Aquaculture Panel Symposium*. Corpus Christi, Texas. October 26 – October 27, 2009. NOAA Technical Memorandum NMFS-F/SPO-113.

Shamshak, Gina L. and James L. Anderson. 2010. "Protein Production Advantages in the Face of Increasing Feed Costs: Identifying Opportunities within the Aquaculture Industry". *Bulletin of Fisheries Research Agency*. No. 31. 55-62.

Shamshak, Gina L. and James L. Anderson. 2008. "Chapter 4: Future Aquaculture Feeds and Feed Costs: The Role of Fish Meal and Fish Oil." In *Offshore Aquaculture in the United States: Economic Considerations, Implications and Opportunities*. National Oceanic and Atmospheric Administration National Aquaculture Program, Silver Spring, MD. July 2008.

Shamshak, Gina L. and James L. Anderson. 2008. "Chapter 5: Lessons From the Development of the US Broiler and Catfish Industries: Implications for Offshore Aquaculture in the United States" In *Offshore Aquaculture in the United States: Economic Considerations, Implications and Opportunities*. National Oceanic and Atmospheric Administration National Aquaculture Program, Silver Spring, MD. July 2008.

Anderson, James L. and **Gina L. Shamshak**. 2008. "Chapter 11: Future Markets for Aquaculture Products" In *Offshore Aquaculture in the United States: Economic Considerations, Implications*

and Opportunities. National Oceanic and Atmospheric Administration National Aquaculture Program, Silver Spring, MD. July 2008.

Shamshak, Gina L. and James L. Anderson. 2008. "Development of a Dynamic Stochastic Adaptive Bioeconomic Model to Evaluate the Economics of Offshore Bluefin Tuna Aquaculture." *International Institute for Fisheries Economics and Trade 2008 Nha Trang Proceedings*.

Kristofersson, Dadi, **Gina L. Shamshak**, and James L. Anderson. 2006. "The Relationship between Fisheries and Farming." *International Institute for Fisheries Economics and Trade 2006 Portsmouth Proceedings*.

Ward, John M., Rebecca Metzner, Walter Keithly, **Gina L. Shamshak**, and Greg Schneider. 2006. "United States Domestic Fisheries Experiences in the Transition to Rational Fisheries" In Bertrand Le Gallic (Editors.) *Using Market Mechanisms to Manage Fisheries: Smoothing the Path*. OECD Publication.

Grigalunas, Thomas A. and **Gina L. Shamshak**. 2004. "Financial-Economic-Environmental Framework for Assessing Marine Sand and Gravel Mining in Korea's EEZ: Phase I Report", Korea Maritime Institute.

Opaluch, James J., Thomas Grigalunas, Meifeng Luo, and **Gina L. Shamshak**. 2003. "Comparison of the Economic Costs to Fisheries for Alternative Long Term Dredge Material Disposal Sites in RI Sound." Duxbury, MA: Battelle Memorial Institute.

BOOK REVIEWS:

Shamshak, Gina L. 2008. "Book Review: Institutional Economics and Fisheries Management: The Case of Pacific Tuna" *Marine Resource Economics*. Volume 23(2). 229:231.

WORKING PAPERS:

(* indicates student authors)

Shamshak, Gina L., William Daly*, and Joseph Fink*. "Economic Analysis of Hydroponic Lettuce Production at Goucher College."

Shamshak, Gina L. "The Importance of Getting the Fisheries Management Right: The Experience of Capture-Based Bluefin Tuna Aquaculture in Australia and the Mediterranean."

KEYNOTE AND INVITED PRESENTATIONS:

Shamshak, Gina L. 2013. "Assessing the Feasibility of Capture-Based and Closed-Cycle Bluefin Tuna Aquaculture in the United States & Globally: Opportunities, Challenges, and Future

Directions.” Keynote Presentation at the Special Session on Tuna Aquaculture. Aquaculture America 2013, Nashville, Tennessee. February 21-25, 2013.

Shamshak, Gina L. 2012. “Assessing the Economic Feasibility of Bluefin Tuna Aquaculture in the United States: Opportunities, Challenges, and Future Directions.” Presented at the Global Center of Excellence Program, Kinki University, Kushimoto, Japan. November 23-24, 2012.

Shamshak, Gina L. and James L. Anderson. 2009. “Application of a Dynamic Stochastic Adaptive Bioeconomic Model to Evaluate the Economics of Offshore Bluefin Tuna Aquaculture in the United States.” Presented at the 38th US-Japan Natural Resources Panel on Aquaculture. Corpus Christi, Texas. October 25 –31, 2009.

Shamshak, Gina L. and James L. Anderson. 2008. “Protein Production Advantages in the Face of Increasing Feed Costs: Identifying Opportunities within the Aquaculture Industry” Presented at the 37th US-Japan Natural Resources Panel on Aquaculture. Yokohama, Japan. October 28 –29, 2008.

CONFERENCE PRESENTATIONS:

(* indicates student authors)

Shamshak, Gina L. Anderson JL, Asche F, Garlock T, Love DC. 2019. “US Seafood Consumption.” Presented at the North American Association of Fisheries Economists (NAAFE) Conference, Halifax, Nova Scotia. May 22-24, 2019.

Shamshak, Gina L. Sweeney Tookes, Jennifer, and Tracy Yandle. 2017. “Evaluating the Economic Viability of Inland Seafood Markets in Georgia: A Two Pronged Approach.” Presented at the North American Association of Fisheries Economists (NAAFE) Conference, La Paz, Baja California Mexico. March 21-24, 2017.

Shamshak, Gina L., Sweeney Tookes, Jennifer, and Tracy Yandle. 2015. “Assessing the Willingness to Pay for Local Seafood in Georgia’s Farmers Markets and CSAs.” Presented at the North American Association of Fisheries Economists (NAAFE) Conference, Ketchikan, Alaska. May 20-22, 2015.

Shamshak, Gina L., William Daly*, and Joseph Fink*. 2013. “Economic Evaluation of Lettuce Production at Goucher College.” Presented by student authors at the Fifth Annual Landmark Conference Summer Research Symposium Poster Session. Susquehanna University, Susquehanna, PA. July 24, 2013.

Shamshak, Gina L. 2012. “Economic Evaluation of Capture-Based Bluefin Tuna Aquaculture on the US East Coast.” Presented at AQUA 2012, Prague, Czech Republic. September 1-5, 2012.

Shamshak, Gina L. 2012. “Economic Evaluation of Capture-Based Bluefin Tuna Aquaculture on the US East Coast.” Presented at the Special Session: Tuna Aquaculture and Stock Management for Sustainability. Aquaculture America, Las Vegas, Nevada. February 29- March 2, 2012.

Shamshak, Gina L. 2011. “Economic Evaluation of Capture-Based Bluefin Tuna Aquaculture on the US East Coast.” Presented at the North American Association of Fisheries Economists (NAAFE) Conference, Honolulu, Hawaii. May 11-13, 2011.

Shamshak, Gina L. and James L. Anderson. 2009. “Application of a Dynamic Stochastic Adaptive Bioeconomic Model to Evaluate the Economics of Offshore Bluefin Tuna Aquaculture.” Presented at the North American Association of Fisheries Economists (NAAFE) Conference, Newport, Rhode Island. May 17-20, 2009.

Shamshak, Gina L. and James L. Anderson. 2008. “Development of a Dynamic Stochastic Adaptive Bioeconomic Model to Evaluate the Economics of Offshore Bluefin Tuna Aquaculture.” Presented at the biennial conference of the International Institute for Fisheries Economics and Trade (IIFET). Nha Trang, Vietnam. July 2008.

Shamshak, Gina L. and James L. Anderson. 2007. “Managing for Sustainability: The Role of the Government in Establishing a Sustainable Aquaculture Industry.” Presented at the biennial conference of the North American Association of Fisheries Economists (NAAFE), Merida, Mexico, March 2007.

INTERNAL GRANTS:

Summer 2013; 2014	Goucher College Summer Science Research Grant (Undergraduate and Faculty Funding)
Summer 2010; 2011; 2012	Goucher College Summer Research Grant for Faculty
Summer 2011	Andrew W. Mellon Summer Sustainability Institute Course Development Workshop
2009/10; 2010/11; 2011/12; 2012/13; 2014/15; 2016/17; 2018/19	Faculty Affairs Committee Travel and Research Grant
Summer 2010	Goucher College Grant Writing Workshop
2009/10, 2015/16	Goucher College Crosby Course Development Grant

COURSES TAUGHT:

Goucher College, Baltimore, Maryland (2009-present)

- EC 100: Introduction to Economics
- EC 101: Principles of Economics: Microeconomics
- EC 102: Principles of Economics: Macroeconomics

- EC 111: Essentials of Economics I
- EC 211: Essentials of Economics II
- EC 225: Environmental Economics
- EC 242: Public Finance and Fiscal Policy
- EC 311: Intermediate Microeconomics
- EC 325: Economics of Global Food Production
- EC 326: Natural Resource Economics

University of Rhode Island, Kingston, Rhode Island (2008-2009)

- EEC 105: Introduction to Environmental and Resource Economics
- EEC 205: Resource Economics and Management
- EEC 432: Environmental Economics and Policy
- EEC 514: Economics of Marine Resources

Bay State College, Boston, Massachusetts (2001-2002)

- Introduction to Macroeconomics
- Introduction to Statistics

SUPERVISION OF UNDERGRADUATE INDEPENDENT RESEARCH PROJECTS:

- 2017-2018 Tin Yu To. “Labour Transition in 21st Century American Economy” (Year-long senior thesis)
- Summer 2014 Todd Troester. “Optimizing hydroponic lettuce production at Goucher College.” (Summer research project)
- 2013-2014 Valerie Oulton. “The Economics of Farm Sustainability.” (Year-long independent research project)
- Summer 2013 Joseph Fink and William Daly. “Development and analysis of hydroponic food production at Goucher College.” (Summer research project)
- 2012-2013 Ellen Bast and Gretchen Funk. “The Economics of Baltimore Food Systems.” (Semester-long independent research project)
- 2011-2012 Deborah Cohen. “A Case Study of Costa Rica: The Obstacles to Organic Consumption and Production.” (Year-long senior thesis)
- 2010-2011 Kelley Moran. “The Economic Forces behind a Structural Change in the United States Agricultural Industry.” (Year-long independent research project)
- 2009-2010 Michael Siers. “Blue crabs: Their management and their future in the Chesapeake Bay.” (Year-long independent research project)

INSTITUTIONAL AND PROFESSIONAL SERVICE:

Center and Program-Level Service

- Economics Program Coordinator (2017 - present)
- CRC Chair, Asha Shepard (2018 - present)
- CRC Member, Germàn Mora (2018 - present)
- CRC Member, Julie Chernov-Hwang (2017 - present)
- CRC Chair, Steven Furnagiev (2016 - present)
- CRC Member, Marko Salvaggio (2016 - present)
- CRC Member, Emily Billo (2013 - 2018)
- Academic Advisor, Economics Program (2010 - present)
- Academic Advisor, Environmental Studies Program (2010 - present)
- Webmaster for the Environmental Studies Program (2010 - present)
- Webmaster for Economics Program (2009 - present)
- Accepted Applicant's Day & Explore Goucher Day Volunteer (2009 - present)

Search Committee Service

- Chair of the Economics Search Committee (2017 - 2018)
- Chair of the Economics Search Committee (2016 - 2017)
- Chair of the Economics Search Committee (2015 - 2016)
- Math & Computer Science Search Committee member (2015 - 2016)
- Economics Search Committee member (Spring 2015)
- Peace Studies Search Committee member (2013 - 2014)
- Economics Search Committee member (2013 - 2014)
- Co-Chair of the Environmental Studies Search Committee (2012 - 2013)
- Environmental Studies Search Committee member (Summer 2011)
- Environmental Studies Search Committee member (Summer 2010)
- Environmental Studies Search Committee member (Winter 2009)

Faculty Governance & Committee Membership

Elected Positions

- Budget and Planning Committee (Fall 2017 - Spring 2020)
 - Chair of the committee for the Fall 2018 semester
- Ad-Hoc Curriculum Committee (Fall 2015 - Spring 2016)
- Faculty Technology Task Force Ad-Hoc Committee (Fall 2014 - Spring 2015)
- Lectures and Fellowships Standing Committee (Fall 2012 - Spring 2015)
 - Chair of committee for the 2014-2015 academic year

Appointed Positions as a Faculty Representative

- Internal Review Team (Spring & Summer 2018)
- Long-Term Strategic Planning Group (Fall 2017)
- Faculty and Staff Giving Committee (Spring 2015 - Fall 2018)
- Strategic Data Group (Spring 2013 - present)
- Goucher Environmental Sustainability Advisory Council (Fall 2014 - Spring 2018)
 - Co-Chair (Fall 2014 - Spring 2016)

College-wide Service

- Goucher Connects (Fall 2015)
- Model Senate Participant (Witness Testimony to Panel) (Spring 2015)
- Fireside chat with Goucher's Roosevelt Institute (Spring 2015)
- Phi Beta Kappa Best Student Paper Selection Committee (Spring 2015)
- Faculty Advisor, Agricultural Co-Op (Fall 2013-Spring 2016)
- Faculty Co-Advisor, Business Plan Competition (Fall 2013)
- Honors Thesis Committee for Deborah Cohen (Fall 2011- Spring 2012)
- First-Year Summer Book Discussion Leader (2010, 2011, 2013)
- Move-In Day Volunteer (2009, 2010, 2011, 2016, 2018)

Guest Lectures

- Guest lecture on Environmental Economics at Stevenson University (February 22, 2018)
- Goucher Prison Lecture. Guest lecture on fisheries management around the world. (Spring 2013)
- FRO 100.005: Food Chemistry. Guest Lecture on Farmed Salmon & Aquaculture (Fall 2012)
- FRO 100.007: Food For Thought: Food Pleasures and Politics. Guest lecture on fisheries management around the world. (Spring 2010, Fall 2010, Fall 2013)
- BIO 170: Guest lecture on fisheries management around the world. (Fall 2011)

Presentations On-Campus

- Hoffberger Conversation Series: "Dishing the dirt on hydroponic lettuce production at Goucher College." (Fall 2013)
- Science Honors Talk: "What is Economics?" (Spring 2013)
- Panel Member for the Admitted Applicants Day at Goucher (Spring 2013)
- Presented a shortened version of my sabbatical research with a panel of faculty members as part of the Intellectual Fair during Alumni Weekend (Spring 2013)
- Discussant for Goucher's Family Weekend Panel: Teaching and Learning at Goucher (2010)
- Participated in three Bon Appetite sponsored events on campus that were environmentally-themed (2010)
 - The Story of Food
 - Contributed to the on-campus discussion about the economics of food production.
 - On-campus screening of the film *Waterlife*

- Contributed to the post-film discussion of the documentary with Andy Tzortzinis, an employee of Bon Appetite.
- On-campus screening of the film *Gasland*
 - Led informal discussions with students following the movie.

Service to the Profession

- Reviewer for the 2016 Aquaculture Sea Grant Conferences, Workshops, Training, and Information Transfer Projects
- Reviewer for *Marine Policy*, *Marine Resource Economics* and *Aquaculture Economics and Management*
- World Aquaculture Society, Aquaculture America 2012 Best Student Abstract Judge (2011)
- International Institute of Fisheries Economics and Trade, 2012 Annual Meeting Best Student Paper Judge (2012)
- Textbook Reviewer:
 - Words and Numbers Publishers, OpenStax Economics textbook (2013)
 - W.W. Norton Publishers, *Principles of Economics* by Dirk Mateer and Lee Coppock (2013)
 - ME Sharpe Publishers, *Environmental and Natural Resource Economics* by Jonathan Harris (2012)

PROFESSIONAL MEMBERSHIPS:

- International Association of Aquaculture Economics and Management (IAAEM)
 - North American Association of Fisheries Economists (NAAFE)
 - American Economic Association (AEA)
-