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Professor of Fisheries and Aquaculture
Curriculum Vita Revised 05/28/2026

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PROFESSIONAL INFORMATION:

Education:

BS 1977, Biology, University of San Francisco
MS 1981, Biological Sciences, University of California, Irvine
Ph.D. 1987, Comparative Physiology, University of California, Irvine

Employment History:

2000-present University of Rhode Island -- Professor of Fisheries and Aquaculture
2022-present Central Luzon State University, Muñoz, Nueva Ecija -- Adjunct Professor VI of Fisheries and Aquaculture
2009-2011 Rhode Island House of Representatives -- State Representative (District 35 –South Kingstown)
2000-2004; 2025-present University of Rhode Island -- Chairman, Dept. of Fisheries, Animal & Vet. Science
1996-1997 Don Mariano Marcos Memorial State University, Philippines. -- Visiting Fulbright Professor
1993-2000 University of Rhode Island -- Associate Professor with Tenure
1987-1993 University of Rhode Island -- Assistant Professor
1985-1987 University of California, Irvine -- Research Assistant (California Sea Grant Fellow)
1981-1985 U.S. Peace Corps, Philippines -- Volunteer Aquaculture Extension Agent with Bureau of Fisheries & Aquatic Resources, Region 1.
1977-1981 University of California, Irvine -- Teaching Assistant
May - Sept. 1977 Ocean Engineering Division, Interstate Electronics Corp., Anaheim, CA. -- Marine Biologist

Certifications:

Certified Research SCUBA Diver --1988 -- (NAUI, CMAS) NAUI# SP28082

Professional Society Memberships:

American Association for the Advancement of Science (AAAS) (1987-present)
American Society of Limnology and Oceanography (ASLO) (1978-2010)
Asian Fisheries Society (AsFS) (1983-present)
National Association of Fulbright Scholars (life member since 1997)
National Shellfisheries Association (NSA) (1987-present)
Society for Integrative and Comparative Biology (SICB) formerly the American Society of Zoologists (ASZ) (life member since 1981)
The Oceanography Society (TOS) (life charter member since 1988)
Western Indian Ocean Marine Science Society (WIOMSA) (associate member 2005-2010)
Western Society of Naturalists (1977-1988)
World Aquaculture Society (WAS)/including its subsidiary United States Aquaculture Society (USAS) (life member since 1988)

Foreign Languages:

Ilokano Excellent (FSI level 4)
Tagalog Good (FSI Level 2+)
Spanish Beginning (FSI Level 2)

PUBLICATIONS

Thesis and Dissertation

- Rice, M.A. (1981). Uptake of amino acids by the European flat oyster, *Ostrea edulis*. Masters Thesis University of California, Irvine. 14pp.
- Rice, M.A. (1987). Uptake and transepithelial flux of amino acids in three species of bivalve mollusks. Doctoral dissertation. University of California, Irvine. 87pp.

Journal, Monographic, Book Chapters and Books

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- Rice, M.A. and P.K. Chien. (1979). Uptake, binding and clearance of divalent cadmium in *Glycera dibranchiata* (Annelida:Polychaeta). Marine Biology 53:33-39.
- Rice, M.A., K. Wallis and G.C. Stephens. (1980). Influx and net flux of amino acids into larval and juvenile flat oysters, *Ostrea edulis* L. Journal of Experimental Marine Biology and Ecology 48:51-59.
- Manahan, D.T., S.H. Wright, G.C. Stephens and M.A. Rice. (1982). Transport of dissolved amino acids by the mussel, *Mytilus edulis*: Demonstration of net uptake from seawater by HPLC analysis. Science 215:1253-1255.
- Davis, J.P., G.C. Stephens and M.A. Rice. (1985). Net entry of amino acids into the brittlestar *Ophionereis annulata*. Comparative Biochemistry and Physiology 81A:899-903.
- Chien, P.K. and M.A. Rice. (1985). Autoradiographic localization of exogenously supplied amino acids after uptake by the polychaete, *Glycera dibranchiata* Ehlers. The Wasmann Journal of Biology 43:60-71.
- Rice, M.A. and G.C. Stephens. (1987). Uptake and internal distribution of exogenously supplied amino acids in the Pacific oyster, *Crassostrea gigas* (Thunberg). Aquaculture 66:19-31.
- Rice, M.A. and G.C. Stephens. (1988). Influx and transepithelial flux of amino acids in the mussel, *Mytilus edulis*. Journal of Experimental Biology. 135:275-287.
- Rice, M.A. and G.C. Stephens. (1988). Influx, net flux and transepithelial flux of amino acids in the hardshell clam, *Mercenaria mercenaria*: influence of salinity. Comparative Biochemistry and Physiology 89A:531-536.
- Rice, M.A. (1988). Propagation of adherent bacteria on the brittlestar, *Ophionereis annulata* (LeConte) after enrichment of seawater with amino acids. The Wasmann Journal of Biology 46:40-48.
- Crawford, B.R. and M.A. Rice. (1989). Monitoring and evaluation of Peace Corps marine fisheries and mariculture projects in the Philippines. pp. 71-103 In: (R.B. Pollnac ed.) Monitoring and Evaluating Small-Scale Fisheries Projects. International Center for Marine Resource Development, University of Rhode Island, Kingston.
- Rice, M.A., C. Hickox and I. Zehra. (1989). Effects of intensive fishing effort on the population structure of quahogs, *Mercenaria mercenaria* (L.) in Narragansett Bay. Journal of Shellfish Research 8:445-454.
- Rice, M.A. (1992). Oyster culture and water quality in the tropics. pp. 122-134 In: (R.B. Pollnac and P. Weeks eds.) Tropical Mariculture Problems and Issues. International Center for Marine Resource Development, University of Rhode Island, Kingston.
- Rice, M.A. (1992). The Northern Quahog: Biology of *Mercenaria mercenaria*. Rhode Island Sea Grant Publication No. RIU-B-92-001, University of Rhode Island, Narragansett. 60 pp. ISBN-0-938412-33-7.
- Rice, M.A. (1992). Bivalve aquaculture in warm tropical and sub-tropical waters with reference to sanitary water quality monitoring and postharvest disinfection. Tropical Science 32:179-202.
- Rice, M.A. and J.A. Pechenik. (1992). A review of the factors influencing the growth of the northern quahog *Mercenaria mercenaria* (Linnaeus, 1758). Journal of Shellfish Research 11:279-287.
- Lin, W., M.A. Rice, and P.K. Chien. (1992). The effects of copper, cadmium, and zinc on particle filtration and uptake of glycine in the Pacific oyster, *Crassostrea gigas*. Comparative Biochemistry and Physiology 103C:181-187.
- Rice, M.A. R.B. Rheault, M.S. Perez and V.S. Perez. (1994). Experimental culture and particle filtration by Asian moon scallops, *Amusium pleuronectes*. Asian Fisheries Science 7:179-185.
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- Rice, M.A. and A.Z. DeVera. (1998). Aquaculture in Dagupan City, Philippines. World Aquaculture 29(1):18-24.

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- Peitros, J.M. and M.A. Rice. (2003). The impacts of aquacultured oysters, *Crassostrea virginica* (Gmelin, 1791) on water quality and sedimentation: results of a mesocosm study. *Aquaculture* 220:407-422.
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- Ohee, H., N. Mote, M.A. Rice, and P. Sujarta. (2020). Sex ratio and reproduction of invasive red devil cichlid, *Amphilophus labiatus* Günther 1864 in Lake Sentani, Indonesia. *Lakes & Reservoirs* 25(3):1-12. DOI:10.1111/lre.12332

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- Rice, M.A. (2020). Ecosystem services and United Nations sustainable development goals: Examining estuarine aquaculture the Philippines. Chapter 2. pp. 16-26. In: A. Mitra, M.M. Calma, S.P. Chakrabarty, S. Zeman and P. Pramanick (eds.). Natural Resources and their Ecosystem Services: Proceeding on “Ecosystem Services and United Nations Sustainable Development Goals” Celebrating the World Environment Day, 5th June 2020. University of Calcutta/HSRA Publications, Bangalore. ISBN: 978-81-947216-7-3
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- Rice, M.A. (2021). Intensive fishing effort and market controls as management tools for invasive aquatic species: A review. Asian Fisheries Science 34(4):383-392.
- Iba, W., N. Wahyuni, M. Hamzah, and M.A. Rice. (2024). Effect of microalgae (*Tetraselmis chui* Butcher 1959) on growth and survival of Nile tilapia (*Oreochromis niloticus* Linnaeus 1758) reared in low salinity biofloc system. *Depik Jurnal Ilmu-Ilmu Perairan, Pesisir dan Perikanan* 13(1):161-167. DOI: 10.13170/depik.13.1.36981
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- Nambeye, E., C. Katapa, B. Chimai-Mulenga, H.G. Mudenda, M. Eilitta, and M.A. Rice. (2025). The bio-invasion and population dynamics of the invasive redclaw crayfish, *Cherax quadricarinatus*, in Zambian waters. *African Journal of Aquatic Science* 50(1):1-11. DOI: 10.2989/16085914.2024.2443944
- Iba, W., M. Martono, M., R.A. Syam, R. Ruslaini, L.B. Abidin, A. Kurnia, I. Nur & M.A. Rice. (2026). Enhancement of skin pigmentation and intestinal health in comet goldfish (*Carassius auratus*) Using *Dunaliella salina* Teodor-esco 1905 supplemented diets. *Jurnal Ilmiah Perikanan dan Kelautan* 18(2):300–317. DOI: 10.20473/jip-k.v18i2.83250

Technical Reports, Proceedings, Extension Fact Sheets and Non-Peer Reviewed Articles

- Rice, M.A. (1988). A Trilingual Dictionary of Fisheries, Aquaculture and Nautical Terminology from Northern Luzon, Philippines: Ilokano-English-Tagalog. Special Publication No. 1 in Fisheries and Aquaculture, University of Rhode Island, 72 pp.
- Rheault, R.B. and M.A. Rice. (1989). Nursery culture of shellfish seed in marinas. pp. 207-231 In: N. Ross (ed.) Proceedings of the First Annual National Marina Research Conference, January 10-12, 1989, Narragansett, Rhode Island. International Marina Institute, Wickford, Rhode Island.
- Rice, M.A. (1990). Aquaculture of bivalve molluscan shellfish in tropical and subtropical developing countries with special reference to sanitary water quality, monitoring systems and depuration. FDSS Working Paper # 25, International Center for Marine Resources Development, University of Rhode Island, Kingston. 34pp.
- Rice, M.A., M. Grady and M.L. Schwartz. (eds.) (1991). Proceedings of the First Rhode Island Shellfisheries Conference, August 27, 1990, University of Rhode Island Narragansett Bay Campus. Report no. RIU-W-90-003 (P-1235) Rhode Island Sea Grant, University of Rhode Island, Narragansett. 105 pp.
- Rice, M.A. (1991). Shellfish Aquaculture Laboratory Manual. Special Publication No. 2 in Fisheries and Aquaculture, Department of Fisheries, Animal and Veterinary Science, University of Rhode Island. 67 pp.
- Rice, M.A. (1991). Potential Sites and Methods for Growout Operations on Palawan for the Scallop, *Amusium pleuronectes*. Final Project Report, Stellar Sea Farms, Manila, Philippines. 24 pp.

- Pratt, S.D., A.R. Ganz, and M.A. Rice. (1992). A species profile of the quahog in Rhode Island. Publication No. RIU-T-92-001, Rhode Island Sea Grant. 117 pp.
- Rice, M.A. and D. Grossman-Garber. (eds.) (1993). Proceedings of the Second Rhode Island Shellfish Industry Conference, August 4, 1992, University of Rhode Island Narragansett Bay Campus. Report no. RIU-W-92-002 Rhode Island Sea Grant, University of Rhode Island, Narragansett.
- Rice, M.A. (1993). Overview of quahog management studies in Narragansett Bay, 1946 to 1992. pp. 49-61. In: M.A. Rice and D. Grossman-Garber. (eds.), Proceedings of the Second Rhode Island Shellfish Industry Conference, August 4, 1992, University of Rhode Island Narragansett Bay Campus. Report no. RIU-W-92-002, Rhode Island Sea Grant, University of Rhode Island, Narragansett.
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- Rice, M.A., D.A. Bengtson, and C. Jaworski. (1994). Evaluation of Artificial Diets for Cultured Fish. Northeastern Regional Aquaculture Center Fact Sheet No. 222. 4pp.
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- Rice, M.A., R.B. Rheault, M.S. Perez, and V.S. Perez. (1994). Experimental culture of moon scallops, *Amusium pleuronectes*, in Ulugan Bay, Palawan, Philippines. In: N.F. Bourne, B.L. Bunting, and L.D. Townsend (eds.), Proceedings of the Ninth International Pectinid Workshop, Volume 2. Canadian Technical Report on Fisheries and Aquatic Sciences, Department of Fisheries and Oceans, Ottawa. 217pp.
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- Rice, M.A. and E. Gibbs (eds.). (1995). Proceedings of the Third Rhode Island Shellfish Industry Conference, August 18, 1994, University of Rhode Island Narragansett Bay Campus. Report no. RIU-W-94-001 Rhode Island Sea Grant, University of Rhode Island, Narragansett. 95pp.
- Rice, M.A. and J. Goncalo. (1995). Results of a study of bivalve larval abundance in Greenwich Bay, Rhode Island, 1993. pp. 31-40. In: Rice, M.A. and E. Gibbs (eds.). Proceedings of the Third Rhode Island Shellfish Industry Conference, August 18, 1994, University of Rhode Island Narragansett Bay Campus. Report no. RIU-W-94-001 Rhode Island Sea Grant, University of Rhode Island, Narragansett.
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- Rice, M.A. (1996). Aquaculture: A worldwide growth response to declining fisheries stocks. pp. 2-4 In C.A. Castro and S.J. Soares (eds.). Proceedings of the Symposia on the Potential for the Development of Aquaculture in Massachusetts. National Marine Fisheries Service Technical Memorandum No. NMFS-NE-109.
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- Kraeuter, J., B. Dewey and M.A. Rice. (2000). Response to EPA's Aquaculture Industry Regulatory Development Needs. Joint Subcommittee on Aquaculture, Aquaculture Effluent Task Force, Molluscan Shellfish Aquaculture Technical Subgroup. 35pp + 6 Appendices & 2 Addenda.
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- Rice, M.A. (2015). Meet cousin Laura Ingalls Wilder -- Author and Edmund Rice Descendant. Edmund Rice (1638) Association Newsletter 89(2):11-13. (Spring, 2015)
- Rice M.A. (2015). Sosnowski is right in opposing the 'chicken bill' Commentary, Commentary *South County Independent* p. A11. 3 September 2015.
- Rice, R.V., M.A. Rice, J.F. Chandler, G.W. King and B.C. Rice. (2015). Colorful accounts of Deacon Edmund Rice's armed ancestors. Edmund Rice (1638) Association Newsletter 89(4):9-10. (Fall, 2015)
- Rice, M.A. (2016). When did Edmund Rice arrive in America? Edmund Rice (1638) Association Newsletter 90(1):6-8. (Winter, 2016)
- Chandler, J.F., M.A. Rice, R.V. Rice and G.W. King. (2016). The enigmatic 1638 marriage of Mary Rice and Thomas Axtell in Hertfordshire. Edmund Rice (1638) Association Newsletter 90(1):8-10. (Winter, 2016)
- Rice, M.A. (2016). Independent View: Legislative grants serve local needs. Commentary *The Independent*, South Kingstown, RI. p. A10. 9 June 2016.
- Rice, M.A. (2016). Naughton's vision has helped rebuild RI's shellfish farms. Commentary *Warwick Beacon*, Warwick RI. pA8. 1 September 2016. (web version: <http://warwickonline.com/stories/naughtons-vision-has-helped-rebuild-ris-shellfish-farms,115861>).
- Rice, M.A. (2016). The identity of Noah Rice, Jr., son of Noah Rice (1760-1834). Edmund Rice (1638) Association Newsletter 90(4):14-15. (Fall 2016)
- Rice, M.A. (2017). Meet the ancestors: Nathaniel N Rice (1830-1906). Edmund Rice (1638) Association Newsletter 91(1):9-18. (Winter 2017)
- Rice, M.A. (2017). Meet the ancestors: Benjamin Rice (1640-1713). Edmund Rice (1638) Association Newsletter 91(2):11-15. (Spring 2017)
- Rice, M.A. (2019). The Edmund Rice Homestead in Old Sudbury. Edmund Rice (1638) Association Newsletter 93(1):6-8. (Winter 2019)
- Rice, M.A. (2020). Is RI due for a name change? My Turn Commentary *Providence Journal* 20 Jun 2020, p. A19. (web version: <https://www.providencejournal.com/opinion/20200619/my-turn-michael-a-rice-is-ri-due-for-name-change>)

GRADUATE STUDENT COMMITTEES & POSTDOCTORAL FELLOWS

- MS Thesis Committee (1985-1986), Reyna A. Gil-Hernandez, Dept. Marine Ecology, Centro de Investigaciones Cientificas y Education Superior de Ensenada (CICESE), Baja California, MEXICO
- MA Thesis Defense Chairman (1987), Celeste E. Philbrick, Department of Geography & Marine Affairs, University of Rhode Island
- MS Thesis Committee (1988-1992) Karen M. Olness Rudio, Graduate School of Oceanography, University of Rhode Island
- MA Thesis Defense Chairman (1988), Harold F. Upton, Dept. Geography and Marine Affairs, University of Rhode Island
- Postdoctoral Fellowship Supervisor (1988-1989), Dr. Itrat Zehra, visiting Fulbright Professor from the Centre of Excellence in Marine Biology, Karachi, PAKISTAN
- MS Thesis Committee (1988-1989), Nancy I. Craig, Graduate School of Oceanography, University of Rhode Island
- PhD Dissertation Committee (1989), Tien-Lai Hsu, Dept of Fisheries, Animal and Veterinary Science, Univ. of Rhode Island
- MS Thesis Committee (1990-1992), Kenneth Thomas, Dept of Zoology, University of Rhode Island
- PhD Dissertation Major Advisor (1990-1995), Robert B. Rheault, Graduate School of Oceanography, Univ. of Rhode Island
- PhD Dissertation Committee (1990-1991) William Burkhardt, Dept of Microbiology, Univ. of Rhode Island
- MS Thesis Committee (1990-1992), Maria Sparsis, Dept. of Fisheries, Animal and Veterinary Science, University of Rhode Island
- MS Thesis Committee (1990-1992), Danyang Liu, Dept of Food Science & Nutrition, University of Rhode Island
- PhD Dissertation Committee (1990-1992), Gregory E. Paquette, Dept. of Fisheries, Animal and Veterinary Science, University of Rhode Island
- MS Thesis Major Advisor (1990-1992) Retno Andamari (Fulbright Program student from Indonesia), Dept of Fisheries, Animal and Veterinary Science, University of Rhode Island
- PhD Dissertation Committee (1991-1996) Charles Norman Farris, Graduate School of Oceanography, University of Rhode Island
- MS Thesis Defense Chairman (1991) Charles Chester, Dept of Zoology, University of Rhode Island
- MS Thesis Defense Chairman (1991) Kevin B. Foster, Dept of Geography and Marine Affairs, University of Rhode Island
- MS Thesis Committee (1991-1992), B. James Peterson, Dept of Zoology, University of Rhode Island.
- MS Thesis Committee (1992-1993), Bridget Holohan, Graduate School of Oceanography, University of Rhode Island.
- MS Thesis Major Advisor (1992-1996), Karin A. Tammi, FAVS Dept., University of Rhode Island
- MS Thesis Major Advisor (1993-2000), Kim A. Tetrault, FAVS Dept., University of Rhode Island
- MS Thesis Committee (1993-1996), Marguerite C. Pelletier, Dept of Zoology, University of Rhode Island
- MA Thesis Committee (1994-1995) Mark Peterson, Dept. of Marine Affairs, University of Rhode Island.
- MA Thesis Committee (1994-1996) Jeffrey Nussbaum, Dept. of Marine Affairs, University of Rhode Island
- MS Thesis Major Advisor (1994-1996) Nurlisa Butet (Fulbright Program student from Indonesia), FAVS Dept, University of Rhode Island
- PhD Dissertation Committee (1995) Virgil E. Carr, Dept of Civil and Environmental Engineering, Univ. of Rhode Island.
- MA Thesis Committee (1995) Elizabeth Herron, Dept. of Marine Affairs, Univ. of Rhode Island.
- PhD Dissertation Defense Chairman (1996) Kenneth A. Thomas, Dept. of Zoology, University of Rhode Island
- PhD Dissertation Committee (1996) James H. McKenna, Graduate School of Oceanography, Univ. of Rhode Island.
- PhD Dissertation Committee (1998-2000) Heather Bennett, Department of Biological Sciences, University of Rhode Island.
- PhD Dissertation Committee (1998-2003) Catherine T. Tamse, Department of Biological Sciences, University of Rhode Island.
- MS Thesis Defense Chairman (1998) Yu Yang, Department of Food Science and Nutrition, University of Rhode Island.
- MS Thesis Defense Chairman (1998) James Hawk, Graduate School of Oceanography, University of Rhode Island.
- PhD Dissertation Committee (1998-2001) Diana L. Stram, Graduate School of Oceanography, University of Rhode Island.
- MA Thesis Committee (1998-99) Mark A. Black, Department of Marine Affairs, University of Rhode Island.
- MS. Thesis Major Advisor (1999-2001) Jennifer Mugg-Pietros, FAVS Dept, University of Rhode Island
- Postdoctoral Fellowship Supervisor (1999) Dr. Augusto Serrano, Institute of Aquaculture, University of the Philippines in the Visayas on Fulbright Fellowship to URI-FAVS Dept.

MS Thesis Defense Chairman (1999) Susanne Struck, Department of Biological Sciences, University of Rhode Island.

PhD Dissertation Defense Chairman (2000) Jason D. Williams, Dept. of Biological Sciences, University of Rhode Island.

PhD Dissertation Committee Member (2000-2007) Tarquin Dorrington, Graduate School of Oceanography, University of Rhode Island.

MS Thesis Committee (2000-2001) Kathryn M. Doyle, Department of Biological Sciences, University of Rhode Island.

MS Thesis Committee (2000-2001) Heng-Hung Kuo, Department of Environmental and Natural Resources Economics, University of Rhode Island.

MS Thesis Committee (2001- 2002) William J. Bigelow, Department of Nutrition and Food Science, University of Rhode Island

PhD Dissertation Committee (2001-2008) Brian Crawford, Department of Marine Affairs, University of Rhode Island.

MS Thesis Committee (2001-2002) Karen L. Mareiro, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

Ph.D. Dissertation Committee (2001-2005) Shannon Bettridge Post, Department of Marine Affairs, University of Rhode Island.

Ph.D. Dissertation Committee (2002-2005) Kenneth LaValley, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

MA Thesis Defense Chairman (2003) Jackie O'Dell, Department of Marine Affairs, University of Rhode Island.

MS Thesis Defense Chairman (2004) Gretchen Marie Moeser, Dept of Biological Sciences, University of Rhode Island

MS Thesis Committee (2003-2005) Samuel Luis F. Resma (Fulbright Program student from the Philippines), Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

Ph.D. Dissertation Defense Chairman (2004) Wendy L. Woods, Graduate School of Oceanography, University of Rhode Island.

MA Thesis Committee (2005-2008) Rosemary Kosaka, Department of Marine Affairs, University of Rhode Island.

MS Thesis Defense Chairman (2005) Michael Budziszek, Department of Biological Sciences, University of Rhode Island.

MS Thesis Committee (2005-2007). Melanie Schroeder, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

MS Thesis Major Advisor (2005-2007). Dora Carolina Marroquin Mora (Fulbright Program Student from Guatemala), Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

MS Thesis Committee (2005-2007) Perry Raso, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

MS Thesis Major Advisor (2006-2007) Kendall Gadowski, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

PhD Dissertation Defense Chairman (2007). Deborah DiPiero, Department of English, University of Rhode Island.

PhD Dissertation Committee Member (2007-2010) Carrie Jean Byron, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

PhD Dissertation Committee Member (2008-2010) Robert LeBlanc, Department of English, University of Rhode Island.

MS Thesis Committee (2009-2010) Alexander R. Salisbury, Department of Natural Resources Sciences, University of Rhode Island

MS Thesis Committee (2009-2010) Kira Dacanay, Department of Marine Affairs, University of Rhode Island

PhD Dissertation Committee (2010-2011) Marco Antonio Quejada-Alpizar, Department of Marine Affairs, University of Rhode Island

PhD Dissertation Committee (2011-2012) William Preston, Department of English, University of Rhode Island

PhD Dissertation Committee (2011-2013) Trisha Towanda, Department of Biological Sciences, University of Rhode Island.

PhD Dissertation Committee (2012-2016) Brett M. Still, Department of Natural Resources Science, University of Rhode Island

PhD Dissertation Committee (2012) Timothy P. Ryan, School of Education, University of Rhode Island

MS Thesis Committee (2012-present) Patrick Samuel, Department of Marine Affairs, University of Rhode Island.

MA Thesis Committee (2012-2013) Jonathan M. Peros, Department of Marine Affairs, University of Rhode Island.

MS Thesis Major Advisor (2012-2016) Matthew Griffin, Dept of Fisheries, Animal & Veterinary Science, University of Rhode Island.

PhD Dissertation Committee (2012-2016) Imam Syuhada, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

PhD Major Advisor (2013-2016) Wa Iba (Fulbright Program student from Indonesia), Department of Fisheries, Animal & Veterinary Science, University of Rhode Island

PhD Dissertation Committee (2013-2016) Saebom Sohn, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

Postdoctoral Fellowship Supervisor (2014-2015) Dr. Nkechi Ester Ahamefula, Reader, Department of Biology, Federal University of Technology, Owerri, Nigeria, on Nigerian National Fellowship to URI-FAVS Dept.

PhD Dissertation Defense Chairman (2017), Gabriel E. Romeguera, Department of English, University of Rhode Island.

MA Thesis Defense Chairman (2017), Heather Kinney, Department of Marine Affairs, University of Rhode Island.

PhD Committee/Defense Chairman (2018-2022), Jennifer Mugg Pietros, Department of Education, University of Rhode Island

PhD Dissertation Major Advisor (2018-2022), Najih Lazar, Sustainable Agriculture and Food Systems, Fisheries, Animal & Veterinary Science Dept., Univ. of Rhode Island

Ph.D. Dissertation External Examiner (2019), Syed Faheem Ahmed, Department of Zoology, University of Karachi, Pakistan.

Ph.D. Dissertation Defense Chairman (2019), Fery Sutyawan, Department of Marine Affairs, University of Rhode Island.

Postdoctoral Fellowship Supervisor (2019), Dr. Hendrite Loisa Ohee, Cenderawasih University, Jayapura, Papua, Indonesia, Visiting Fulbright Professor.

PhD Dissertation Major Advisor (2020-2021), Diky Suganda, Sustainable Agriculture and Food Systems, Fisheries, Animal & Veterinary Science Dept., Univ. of Rhode Island

PhD Dissertation Major Advisor (2020-2021), Agus Setyawan, Sustainable Agriculture and Food Systems, Fisheries, Animal & Veterinary Science Dept., Univ. of Rhode Island (deceased 25 Jan 2021)

MA Thesis Committee (2020-2023), Nathan Brown, Department of Marine Affairs, Univ. of Rhode Island.

PhD Defense Chairman (2022), Kristin Huizenga, Graduate School of Oceanography, University of Rhode Island.

PhD Defense Committee external examination member (2019-2022), Nazish George, Centre of Excellence in Marine Biology, University of Karachi, Pakistan.

PhD Dissertation Committee (2022-2024), Tara Plee, Department of Fisheries, Animal & Veterinary Sciences, University of Rhode Island.

MS Thesis Committee (2023-2025) Christopher Jenkins, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island.

PhD Dissertation Committee (2024-2026) Riley Secor, Graduate School of Oceanography, University of Rhode Island

Postdoctoral Fellowship Supervisor (2026) Dr. Mary Grace C. Sedanza, Institute of Aquaculture, University of the Philippines in the Visayas on Fulbright Fellowship to URI-FAVS Dept.

ACADEMIC COURSES & PROGRAMS DEVELOPED

Developed course: Bivalve Molluscan Growout Techniques (ASP 481X), Fall 1988, University of Rhode Island

Developed course: Current Topics in Molluscan Aquaculture (ASP 581), Spring 1990, University of Rhode Island

Developed course: Shellfish Aquaculture Laboratory (ASP 481), Spring, 1990, University of Rhode Island

Developed course: Introductory Aquaculture Simulation Laboratory (ASP 282), Spring 1995, University of Rhode Island.

Developed course: Workshop in Aquaculture Topics for Teachers (ASP 930), Spring 2000, University of Rhode Island.

Developed course: Molluscan Biology and Aquaculture (MSC 511), Summer 1997, University of San Carlos, Cebu City, Philippines.

Developed course: Aquatic Food Production in the Philippines (AFS 440), for deliver as a January (J-term) Course (replacing an *ad hoc* AFS 492 version), Spring 2018, University of Rhode Island

Co-developed Program: Coastal Fellows Program, College of the Environment and Life Sciences (1996) as in cooperation with six other CELS faculty members as part of the University of Rhode Island Partnership for the Coastal and Marine Environment.

Co-organized & team taught course: Colloquium for the Partnership for the Coastal Environment –Aquaculture (ASP 388X). Fall, 1997; Fall 1998

Developed Course: Introductory Aquaculture (AFS 102) Fall 2001, University of Rhode Island.

Developed Course: Shellfish Aquaculture (AFS 201) Fall 2001, University of Rhode Island.

Developed Course: Crustacean Aquaculture (AFS 362) Spring 2002, University of Rhode Island.

Developed Course: Introductory Aquaculture Laboratory (AFS 104) Spring 2007, University of Rhode Island.

Developed Course: Animal Agriculture, Food Policy and Society (AFS/AVS 132) Fall 2009, University of Rhode Island.

Co-developed Advising Program: University of Rhode Island Peace Corps Preparatory Program (2015) in cooperation with CELS Faculty and Provost's Staff.

Co-developed Course: Sustainable Agriculture and Food Systems (AFS/AVS/PLS 132G), Spring 2016, University of Rhode Island
Co-developed Course: Food from the Sea (w/ A. Humphries) (AFS 105G), Spring 2016, University of Rhode Island.
Co-developed Course (w/ A. Humphries): Food from the Sea Laboratory (AFS 106) Spring 2016, University of Rhode Island.

ACADEMIC COURSES TAUGHT

Taught course: Introductory Aquaculture (AFS 102), Spring 2002; Spring 2003; Spring 2004; Spring 2005; Spring 2006; Spring 2007; Spring 2008; Spring 2009; Spring 2010; Spring 2011; Spring 2012; Spring 2013; Spring 2014; Spring 2015; Spring 2016 University of Rhode Island
Taught course: Introductory Aquaculture Laboratory (AFS 104), Spring 2008; Spring 2009; Spring 2010; Spring 2011; Spring 2012; Spring 2013; Spring 2014; Spring 2015; Spring 2016 University of Rhode Island.
Taught course: Food from the Sea Laboratory (AFS 106), Fall 2017; Fall 2018; Fall 2019; Fall 2022; Fall 2024; Fall 2025 University of Rhode Island
Taught course: Introductory Fisheries Laboratory (AFS 121), Fall 2008; Fall 2009; Fall 2010, Fall 2011, Fall 2012, Fall 2013; Fall 2014; Fall 2015; Fall 2016 University of Rhode Island
Taught course: Introduction to the Marine Environment Lab (AFS 211), Spring 2009; Spring 2010; Spring 2011; Spring 2012; Spring 2013; Spring 2014; Spring 2015; Spring 2016 University of Rhode Island
Taught course: Animal Agriculture, Food Policy & Society (AFS/AVS 132), Spring 2010; Spring 2011; Spring 2012; Spring 2013; Spring 2014; Spring 2015; Spring 2016 University of Rhode Island
Taught course: Sustainable Agriculture and Food Systems (AFS/AVS/PLS 132G), Spring 2017; Spring 2018; Fall 2018; Spring 2019; Fall 2019; Spring 2020, Honors Section Fall 2020, Spring 2022 University of Rhode Island.
Taught course: Introduction to Marine and Freshwater Science (FST 200), Spring, 1989, University of Rhode Island.
Taught course: Shellfish Aquaculture (AFS 201) Fall 2002, Fall 2003; Fall 2004; Fall 2005; Fall 2006; Fall 2007; Fall 2008; Fall 2009; Fall 2010; Fall 2011; Fall 2012; Fall 2013; Fall 2014; Fall 2015; Fall 2016; Fall 2017; Fall 2018; Fall 2019; Fall 2020; Fall 2021; Fall 2022; Fall 2024 University of Rhode Island.
Taught course: Introductory Aquaculture Simulation Laboratory (ASP 282), Fall 1995, Fall 1997, Fall 1998, Fall 1999; Fall 2000; Spring 2001; Spring 2002 University of Rhode Island.
Taught course: Introductory Aquaculture (ASP 281), Fall 1989; Fall, 1990; Fall 1991; Fall 1992; Fall 1993; Fall 1994; Fall 1995; Fall 1997; Fall 1998; Fall 1999; Fall 2000; Spring 2001 University of Rhode Island
Taught course: Crustacean Aquaculture (AFS 362) Spring 2003; Spring 2004; Spring 2006; Fall 2008; Fall 2010, Fall 2011, Fall 2013; Fall 2015; Spring 2018; Spring 2019; Spring 2021; Spring 2023; Spring 2026 University of Rhode Island
Taught course: Bivalve Molluscan Growout Techniques (ASP481X), Fall 1989, University of Rhode Island
Taught course: Shellfish Aquaculture (ASP 381), Spring 1990; Spring, 1991; Spring, 1992; Spring 1993; Spring 1994; Spring 1995; Spring 1996; Spring 1998; Spring 1999; Spring 2000; University of Rhode Island
Taught course: Fisheries Science Laboratory (AFS 416), Fall 2008; Fall 2010; Fall 2012 University of Rhode Island.
Taught course: Aquaculture and the Environment (AFS 425), Spring 2017; Fall 2018, Fall 2025 University of Rhode Island
Taught course: Shellfish Aquaculture Laboratory (ASP/AFS 481), Fall 1991; Fall 1993; Fall 1995; Fall, 1998; Fall, 1999; Fall 2001; Fall 2007 University of Rhode Island
Taught Course: Aquatic Food Production in the Philippines (AFS440) at the Philippine Bureau of Fisheries and Aquatic Resources National Integrated Fisheries Research and Development Center/Asian Fisheries Academy, Bonuan-Binloc, Dagupan City Philippines, January, 2015; January 2017; January 2018; January 2019.
Taught course: Current Topics in Molluscan Aquaculture (ASP/AFS 581), Fall, 1990; Fall 1992; Fall 1994, Fall, 1997; Spring 1999; Spring 2000; Fall 2000; Fall 2002; Spring 2005; Fall 2006; Spring 2008; Fall 2009; Fall 2011; Fall 2012; Spring 2016; Fall 2017; Spring 2020 University of Rhode Island
Taught course: Traditions and Transformations: Freshman Seminar (URI 101), Fall 2000; Fall 2001; Fall 2002; Fall 2003; Fall 2004; Fall 2005; Fall 2006; Fall 2007; Fall 2008 University of Rhode Island
Taught section of Summer Course: Advances in Mariculture, Summer 1993; Summer 1995, Marine Biological Laboratory, Woods Hole
Taught course: Aquatic Biology (BSF311), Summer 1996, Don Mariano Marcos Memorial State University, La Union, Philippines
Taught course: Introductory Oceanography (BSF 301), Winter 1996-97, Don Mariano Marcos Memorial State University, La Union, Philippines.

Taught course: Health Management in Aquaculture (BSF 420), Winter 1996-97, Don Mariano Marcos Memorial State University, La Union, Philippines.
Taught course: Molluscan Biology & Aquaculture (MSC 511), Summer 1997, University of San Carlos, Cebu City, Philippines.
Taught course: Anatomy and Physiology (AVS 331), Fall 2003; Fall 2004; Fall 2005 University of Rhode Island.
Taught course: Molluscan Aquaculture (MSC 206), Summer 2006, University of San Carlos, Cebu City, Philippines.
Taught course: Honors in Social Sciences--Animal Agriculture Food Policy & Society (HPR110), Spring 2010 University of Rhode Island
Taught course: Introduction to Issues in International Development (MAF 350/NRS 300), Fall 2019; Fall 2020
Co-taught Course: Fish Physiology (AFS586), Fall 2025, University of Rhode Island

HONORS AND AWARDS

Elected to Beta Beta Beta National Biological Honor Society, 1977
California Sea Grant Traineeship, 1980-1981, 1985-1987
Elected to Sigma Xi, The Scientific Research Society, 1995
J. William Fulbright Senior Teaching & Research Fellowship (Republic of the Philippines) 1996-1997
Citation for Outstanding Contributions to the Philippine Aquaculture Community by the Philippine Department of Agriculture (May, 1997)
J. William Fulbright Southeast Asia Regional Lecturing Fellowship (Republic of Indonesia) May-June 1997
Citation for Outstanding Contributions in Aquaculture Research, Teaching and Extension by the Rhode Island House of Representatives and the Rhode Island Secretary of State, 1999.
Citation of Congratulations for Appointment as Chairman of the Department of Fisheries, Animal & Veterinary Science at the University of Rhode Island by the Rhode Island House of Representatives and the Rhode Island Secretary of State, 2000.
Citation of Appreciation from the Cooperative States Research, Education and Extension Service, USDA for excellence in service to the National Aquaculture Effluents Task Force. 23 Aug 2004.
J. William Fulbright Distinguished Senior Specialist Fellowship (Republic of the Philippines) May-July 2006
Citation of Recognition from the National Marine Fisheries Service for Contributions to Aquaculture Research, Instruction and Outreach. 24 Feb 2007
Citation of Appreciation from the Alfred P. Sloan Foundation 28 Sept 2007 for work to advance underrepresented people in the sciences.
Commissioned as a *Rhode Island Commodore* 18 May 2011 by Rhode Island Governor Lincoln Chafee
Bronze Medalist 2017. Presidential Volunteer Service Award and Citation, Points of Light Foundation & Presidential Volunteer Service Corporation
Outstanding Leadership and Service Commendation. 24 November 2018. Jointly awarded by the Society of Aquaculture Engineers of the Philippines, Philippine Aquaculture Society, and the Philippine Bureau of Fisheries and Aquatic Resources, Philippine Department of Agriculture. At the National Integrated Fisheries Research and Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines.
Sheila Black Grubman Award for Faculty Outstanding Service. 13 May 2021. Annual joint award from University of Rhode Island Provost and Faculty Senate for outstanding service contributions to the university.
Service Excellence Award. 5 May 2022. College of the Environment and Life Sciences, University of Rhode Island.
Grand Marshal, Inauguration of University of Rhode Island President Marc B. Parlange 22 September 2022
Grand Marshal, University of Rhode Island Commencement Ceremonies 19 to 21 May 2023
Elected to the College of the Environment and Life Sciences Hall of Fame 1 December 2024.
Lifetime Achievement Award, URI Chapter, American Association of University Professors, 25 April, 2026.

CONTRACTS AND GRANTS AWARDED

Rhode Island Sea Grant (1988-1989) Development of techniques for rearing bivalve seed in RI marinas. \$9734.
Pakistan Participant Training Program/USAID (1988-1989) Postdoctoral training grant in mariculture and malacology for Dr. Itrat Zehra, visiting scholar from Centre of Excellence in Marine Biology, Karachi, Pakistan. \$14,435 with R. Bullock, Zoology, URI
Cooperative Extension Service/ Smith-Lever 402 (1988-1991) Promotion of bivalve mariculture in Rhode Island \$3,400

Northeast Regional Aquaculture Center (1990-1991). Extension Education to Promote Commercial Aquaculture in the Northeastern United States. Total funding, \$72,350, to 9 investigators from 9 Northeastern Institutions, to Rice \$1,500.

ICMRD/USAID (1990) Seed funds for development of concept paper on feasibility of promoting shellfish sanitation techniques in tropical developing nations. \$750

URI Research Council (1990) Seed funds to study induction of bivalve settlement and metamorphosis by exogenously supplied molluscan neurotransmitters \$5,000

Agricultural Experiment Station/ Hatch 870 (1990-1995) Studies in bivalve settlement and metamorphosis \$6400.

Northeast Regional Aquaculture Center (1990-1994). Increasing Aquaculture Production in the Northeast through Nutrition. Total funding, \$293,270; to Rice \$8,650 with S. Goldhor (project coordinator), Center for Applied Regional Studies as well as 20 other investigators from 9 institutions in the northeast

URI Alumni Association Faculty Development Award, 1991. \$2,000.

National Sea Grant College Program (1993). Rhode Island Sea Grant Zebra Mussel Outreach Project-Year Two. \$23,670.

Woods Hole Oceanographic Institution Sea Grant (1994). Settlement, recruitment and growth of bay scallops, *Argopecten irradians*, in the Westport estuary system. \$3,000.

Rhode Island Sea Grant (1994). Studies of Scallop Recruitment in the Westport River Estuary System. \$3,000.

National Sea Grant College Program (1994). Rhode Island Sea Grant Zebra Mussel Outreach Project-Year Three. \$24,957.

Northeast Regional Aquaculture Center (1994). Use of artificial spat collectors to assess and enhance recruitment of scallops, *Argopecten irradians*. \$5,200.

Environmental Studies Centres in Indonesia Development Project (1995). Training program research funds for Indonesian Graduate Student. \$1,500.

Blount Marine Corporation (1995). Studies on propagation of oysters in the Warren River, Rhode Island. \$8,000.

Champlin Foundations (1995). Teaching and training laboratories for the culture of larval marine organisms. \$57,000 (with D. Bengtson ZOO; T. Durbin, GSO; C. Oviatt, GSO; and J. Specker, ZOO).

Rhode Island House of Representatives (1995). Legislative Grant for Operating funds for Legislative Committee to Stimulate Aquacultural Production in Rhode Island. \$52,000. Rice with J. Anderson (REN-URI).

University of Rhode Island Partnership for the Coastal and Marine Environment (1996). \$350,000 over three years. Rice as one of six principal authors along with 23 other cooperating URI faculty.

Northeastern Regional Aquaculture Center (1996). Development of a Northeastern Regional Aquaculture Extension Network. \$4,980.

U.S. Dept of Agriculture/Cooperative State Research, Education and Extension Service. (1996). Melding Undergraduate Experiential Learning with Extension. \$80,000. Rice as one of four principal URI authors.

Council for International Exchange Scholars/ Fulbright Grants Program (1996). Teaching and research at DMMMSU, Philippines \$41,271.

Rhode Island Department of Environmental Management (1998). Shellfish Disease Survey Program, State of Rhode Island \$16,915. M. Gomez-Chiarri and Rice as co-PIs.

University of Rhode Island Foundation/Competitive Grant Program (1998). Improving Undergraduate Education in Aquaculture. \$3,500. With David Bengtson as co-PIs.

Northeastern Regional Aquaculture Center (1998). Northeastern Regional Aquaculture Extension Network Grant \$5,000 to URI as part of regional grant with 15 investigators from 15 institutions throughout the Northeast.

University of Rhode Island-Assessment of Pilot Project Mini-grant Program (1998). Assessment of Educational Outcomes Associated with Experiential Learning in Vertically Integrated, Problem-Based Teams. \$2,000 to the Partnership for the Coastal Environment, with 9 principal investigators.

U.S. Dept of Agriculture/Cooperative State Research, Education and Extension Service. (1998). Strengthening Experiential Learning in Vertically Integrated Problem-based Teams. \$80,000. Rice as one of four principal URI authors.

Rhode Island Department of Environmental Management (1999). Shellfish Disease Survey Program, State of Rhode Island \$24,615. M. Gomez-Chiarri, E. Carrington and Rice as co-PIs.

USDA-CSREES Higher Education Multicultural Scholars Program (1999). Project JUMP: Strengthening and Diversifying our Future Workforce in the Food and Agricultural Sciences. \$100,000 (with six other URI PIs).

Rhode Island Legislature (1999). Legislative Grant in support of the 4th Annual Rhode Island Aquaculture Conference. \$3,000.

Rhode Island Legislature (1999). Legislative Grant in support of the Partnership for the Coastal Environment. \$2,000 w/ D. Grossman-Garber.

University of Rhode Island Foundation. (1999). Upgrading FAVS Departmental Capabilities in Image Analysis. \$4,387.

Rhode Island Department of Environmental Management (2000). Shellfish Disease Survey Program, State of Rhode Island \$39,358. M. Gomez-Chiarri, E. Carrington, and Rice as co-PIs.

Rhode Island Legislature (2000). Legislative Grant in support of the 1st Southern New England Aquaculture Conference \$5,000.

Rhode Island Agricultural Experiment Station (2000). Filter feeding by aquacultured mollusks to control eutrophication. (3 yrs at approx \$66,000 incl. RIAES student assistantships).

U.S. Department of Agriculture (2001). Project Jump Redux: Strengthening and Diversifying our Food and Agricultural Workforce. \$100,000. w/ W. Wright, D. Grossman-Garber, U. Whitworth, J. Amador, M. Rice and M. Gomez-Chiarri.

Rhode Island Legislature (2001). Legislative Grant in support of the Partnership for the Coastal Environment. \$2000.

Rhode Island Department of Environmental Management (2001). Shellfish Disease Survey Program, State of Rhode Island \$38,696. M. Gomez-Chiarri, E. Carrington, and Rice as co-PIs.

Rhode Island Legislature (2002). Legislative Grant in support of the Partnership for the Coastal Environment. \$2000.

Northeastern Regional Aquaculture Center (2002). Financial Benchmark Information for the NRAC Regional Aquaculture Industries. \$31,482. (R. Comerford and M. Rice)

ACDI-VOCA/USAID (2005). Diversification of aquaculture industries in Tanzania. \$3,878

Rhode Island Aquaculture Initiative (2006). Histological study of the gonadal development of quahogs (*Mercernaria mercenaria*) in Narragansett Bay, RI. \$8,000.

ACDI-VOCA/USAID (2006). Developing mussel culture on the Black Sea in the Republic of Georgia. \$3,275.

ACDI-VOCA/USAID (2007). Improving mussel culture on the Black Sea in the Republic of Georgia. \$3,542.

University of Connecticut/Northeast Regional Aquaculture Center/USDA. (2007). Subcontract to the Northeast Regional Aquaculture Center Regional Extension Project. \$1,880.

U.S. Department of Agriculture/RI Coastal Resources Management Council. (2010). Effects of hypoxia on growth and disease resistance in juvenile shellfish. \$82,782.

American Soybean Association/United Soybean Board/ USDA (2013). Workshops for municipal officials in permitting and management of fishpens in public waters of Southeast Asia. \$47,173 with D.A. Bengtson.

Institute for International Education/U.S. Department of State Global Innovation Initiative. (2014) Aquaculture Carrying Capacity and Water Quality in Indonesian Lakes and Reservoirs. \$233,027 with D.A. Bengtson

University of Maryland/Northeastern Regional Aquaculture Center/USDA. (2017-2019) Subcontract Proposal for Northeastern Regional Aquaculture Center Extension Workgroup Project: "Inventory of barriers in the northeast that limit the aquaculture industry" \$16,000 subcontract on a total request of \$181,083 with nine other co-PIs and Matthew Parker of University of Maryland Cooperative Extension as Lead PI.

U.S. Agency for International Development (2018). USAID Philippine Fish Right Program. \$25 million over five years as co-PI on grant with Elin Torell, Brian Crawford, and Glenn Ricci of CRC-GSO and Emi Uchida of CELS. (extended to 2026 with \$8 million additional funding)

U.S. Agency for International Development (2018). Subcontract on prime proposal to Mississippi State University: Fish Innovation Lab. \$1,716,514 with Elin Torrell CRC/GSO, Brian Crawford CRC/GSO and Austin Humphries FAVS

U.S. Agency for International Development (2021). Population Ecology and Utilization of the Introduced Crayfish in the Kafue Floodplain and Lake Kariba, Zambia. Subcontract on prime proposal to Mississippi State University: Fish Innovation Lab. Total: \$140,454 To URI: \$41,772

CONTRACTS AND GRANTS PENDING

PAPERS PRESENTED AT PROFESSIONAL MEETINGS AND INVITED LECTURES (No Abstract or Published Proceedings)

Rice, M.A. and P.K. Chien. (1977). *Effects of cadmium on the transport of glycine by the sandworm, Neanthes virens*. Submitted paper, Annual Meeting AAAS Pacific Division, Section G, San Francisco State University.

- Rice, M.A. and P.K. Chien. (1977). *Uptake and binding of cadmium to tissues of the bloodworm, Glycera dibranchiata*. Submitted paper, Annual Meeting of the Western Society of Naturalists, California State University at Fullerton.
- Rice, M.A. (1988). *Uptake of amino acids by marine invertebrates: a historical overview*. Invited Lecture, URI Zoology Colloquium.
- Crawford, B.R. and M.A. Rice. (1988). *Impact monitoring and evaluation of Peace Corps marine fisheries projects*. Invited Presentation, Workshop on Small-scale Fishery Impact Monitoring and Evaluation. International Center for Marine Resource Development, URI.
- Rice, M.A. (1989). *Aquaculture in Southeast Asia*. Invited Lecture, Tufts Univ., Dept. of Biology.
- Rheault, R.B. and M.A. Rice (1989). *Nursery culture of bivalve seed in marinas*. Invited paper, First Annual Marina Research Conference, Narragansett, RI.
- Rice, M.A., C. Hickox and I. Zehra. (1989). *Effect of fishing on the distribution of quahogs in Narragansett Bay*. Submitted poster, Annual Shellfish Seminars NMFS Milford Laboratory, Milford, CT.
- Zehra, I., M.A. Rice and C. Hickox. (1989). *Distribution of quahogs in Narragansett Bay and the effect of fishing effort*. Submitted Poster, Annual Meeting of the American Malacological Union, Los Angeles.
- Rice, M.A. and R.B. Rheault. (1990). *Nursery culture of bivalves in Rhode Island small-boat marinas*. Invited paper, Annual Shellfish Seminars of the NMFS Milford Laboratory, Milford, CT.
- Rice, M.A. (Feb 1990; Feb 1991; Feb 1992; Feb. 1993; Feb. 1994; Feb. 1995; Feb. 1996, Mar. 1998). *Aquaculture: the application of aquatic biology*. Invited Lecture, Tufts Univ., Dept. of Biology.
- Rice, M.A. (1990). Use of small-boat marinas for the production of shellfish seed. Invited seminar: Connecticut Fisheries Forum, Univ. of Conn., Avery Point.
- Rice, M.A. (1990) *Shellfish Aquaculture*. Invited lecturer for the Committee for the Great Salt Pond, Block Island, Rhode Island
- Rice, M.A. (1990) *Sanitary water quality in relation to bivalve molluscan aquaculture in the warm water tropics*. Invited speaker, Workshop on Mariculture in Developing Countries: Problems and Perspectives. International Center for Marine Resources Development, University of Rhode Island.
- Rheault, R.B. and M.A. Rice. (1991). *Effects of food availability and food quality on the growth of juvenile shellfish in suspended culture*. Invited paper, Annual Shellfish Seminars of the NMFS Milford Laboratory, Milford, CT.
- Rice, M.A. (1991). Shellfisheries: the Hidden Industry of Warwick. Invited Keynote Speaker at the Warwick City and Chamber of Commerce annual business awards luncheon.
- Rice, M.A. (1991). *Dissolved Organic Material in the Nutrition of Marine Invertebrates*. Invited Seminar, Marine Science Institute, University of the Philippines, Quezon City.
- Rice, M.A. and R.B. Rheault. (1992). *Shellfish aquaculture as an alternative fisheries enterprise for Block Island*. Invited seminar, Committee for the Great Salt Pond, Block Island, Rhode Island.
- Rice, M.A., R.B. Rheault, M.S. Perez and V.S. Perez. (1993). *Studies on particle filtration and experimental culture of the Asian moon scallop Amusium pleuronectes in the Philippines*. Submitted presentation, Ninth International Pectinid Symposium, Nanaimo, British Columbia, Canada.
- Rice, M.A. and K. Tammi (1993). *Zebra mussels: a threat to Rhode Island fresh waters*. Invited presentation to the Watershed Watch Volunteers training program, Univ. of Rhode Island.
- Rice, MA. (1993). *Anthropogenic Influences on Narragansett Bay Benthos: Quahogs Fishing and Pollution*. Invited seminar sponsored by the Alexander M. Cruikshank Endowed Lectureship in the Sciences, Univ. of Rhode Island.
- Rice, M.A. (1994) *Identification and monitoring protocols for zebra mussels*. Invited presentation to the Rhode Island Watershed Watch Program.
- Rice, M.A. (1994) *Aquaculture: Can it Occur in the Land of the Swamp Yankee?* Invited Lecture at the "Tavern Hall Club," Kingston, RI.
- Tammi, K.A., S. Soares, W. Turner, and M.A. Rice. (1995) *The determination of optimal settlement and recruitment of bay scallops Argopecten irradians to artificial spat collectors in the Westport River Estuary, Massachusetts*. Submitted paper to Aquaculture '95 Conference, San Diego, California.
- Rice, M.A. (1995). *Aquaculture: A Global Perspective*. Invited presentation to the Massachusetts Aquaculture Development Symposium of the Massachusetts Southeastern Regional Planning and Economic Development District, North Dartmouth, MA.
- Tammi, K.T., L.T. Green, E. Herron, M. Kerr, and M.A. Rice. (1995). *Likelihood of invasion of the aquatic exotic zebra mussel, Dreissena polymorpha (Pallas) into Rhode Island freshwater systems*. Invited poster presentation. Northeast Conference on Non-Indigenous Aquatic Nuisance Species, Cromwell, Connecticut.
- Rice, M.A. (1995). *Aquaculture development to maintain southern New England's leadership in fishery production*. Invited seminar at the URI Chapter Sigma Xi.

- Rice, M.A. (1995). *The Westport Scallop Project: An example of University and Grass-roots Community Cooperation*. Invited seminar to the "Oceans Alive" Environmental Lecture Series, Woods Hole Oceanographic Institution.
- Rice, M.A. (1995). *Recent developments in Rhode Island's fisheries and aquaculture industries with focus on URI's effort in these areas*. Invited keynote presentation to the URI College of Resource Development Advisory Council.
- Rice, M.A. (1995). *Aquaculture: A worldwide growth response to declining fisheries stocks*. Invited presentation at National Marine Fisheries Service Sponsored Symposium on the Potential for the Development of Aquaculture in Massachusetts, Dartmouth, MA.
- Rice, M.A. (1995). *Northern quahogs (Mercenaria mercenaria) in Narragansett Bay: Populations, filtration and nitrogen deposition*. Invited seminar, Biology at Noon Seminar Series, Graduate School of Oceanography, University of Rhode Island.
- Rice, M.A. (1995). *Exploring novel approaches to shellfish aquaculture in Rhode Island*. Invited lecture, Rhode Island Coastweeks Program, Rhode Island Sea Grant.
- DeAlteris, J.T. and M.A. Rice. (1996). *Transient gear shellfish aquaculture, an innovative socially acceptable complement to the wild stock capture fishery*. Submitted paper to the World Fisheries Congress, Brisbane, Australia.
- Rice, M.A. (1996). *Swamp Yankees, Aquaculture: Fin and Shellfish Futures*. Invited Keynote Speaker, North Kingstown Masons Winter Banquet.
- Rice, M.A. (1996). *Reforming fish health regulations in Rhode Island*. Invited speaker at 4th Annual New England Fish Health Workshop, Eastport, Maine, April 1996.
- Rice, M.A. (1996). *Shellfish aquaculture in New England*. Invited presentation at the annual meeting of the Northeast Shellfish Sanitation Association, Providence, RI.
- Rice, M.A. (1996). *History of Aquaculture in Rhode Island*. Invited presentation at the Rhode Island Aquaculture Conference sponsored by the Rhode Island State Legislature.
- Rice, M.A. (1996). *Effect of intensive fishing effort on the population structure of hard clams in Narragansett Bay, Rhode Island, USA*. Invited lecture, University of San Carlos, Cebu City, Philippines.
- Rice, M.A. (1996). *Assessing estuarine food abundance and determining optimum stocking densities for bivalve molluscan aquaculture*. Invited lecture, University of San Carlos, Cebu City, Philippines.
- Rice, M.A. (1997). *Population ecology and fisheries management of the venerid clam, Mercenaria mercenaria (Linne) in the Narragansett Bay Estuary, Rhode Island, U.S.A.* Invited lecture, University of the Philippines in the Visayas at Miag-ao, Iloilo.
- Rice, M.A. (1997). *Aquaculture of filter feeding bivalve mollusks: determining optimum stocking densities*. Invited lecture, University of the Philippines in the Visayas at Miag-ao, Iloilo.
- Rice, M.A. (1997). *Aquaculture in Dagupan City: Challenges and opportunities for the new millennium*. Invited Keynote Speaker, Rotary Club of Dagupan City, Pangasinan, Philippines.
- Rice, M.A. (1997). *Estimating effects of aquaculture effluents on the estuarine environment*. An invited workshop presentation. Southeast Asian Fisheries Development Center, Aquaculture Department, Tigbauan, Iloilo, Philippines.
- Rice, M.A. (1997). *Aquaculture water quality monitoring*. Invited workshop facilitator and lecturer, Bureau of Fisheries and Aquatic Resources, Department of Agriculture Region 1, Philippines.
- Rice, M.A. (1997). *Aquaculture in a framework of Integrated Coastal Zone Management*. Invited lecturer, Sam Ratulangi University and the University of Rhode Island Coastal Management Project, Manado, Northern Sulawesi, Indonesia.
- Rice, M.A. (1997). *Sustainable aquaculture development in Southeast Asia*. Invited lecturer, Pattimura University, Ambon, Molluku, Indonesia.
- Rice, M.A. (1997). *Shellfisheries and aquaculture in Rhode Island, USA and Pangasinan, Philippines*. Invited lecturer. Faculty of Fisheries and Marine Sciences, Agricultural University of Bogor, Indonesia.
- Rice, M.A. (1997). *Aquaculture: A global perspective*. Featured speaker, Second Rhode Island Aquaculture Conference, Warwick, RI.
- Rice, M.A. (1997). *Aquaculture for shellfishery restoration: Avoiding the pitfalls of the past*. Invited Speaker, 42nd Atlantic Fisheries Technological Conference, Newport, Rhode Island.
- Rice, M.A. (1998). *A history of public and restoration aquaculture in Rhode Island*. Featured Speaker, Third Rhode Island Aquaculture Conference, Cranston, RI.
- Rice, M.A. (1998). *Aquaculture in the land of the Swamp Yankee: a history of restoration aquaculture*. Invited Speaker, Tavern Hall Civic Club, Kingston, RI.

- Rice, M.A. and A.R. Ganz. (1998). *An update on shellfish restoration projects in Rhode Island*. Invited presentation at the 2nd International Conference on Shellfisheries Restoration, Hilton Head, SC.
- Rice, M.A. (1999). *Overview of Rhode Island Shellfisheries and Research Priorities for Studies in Hard Clam Population Dynamics*. Invited presentation given at the Workshop on Hard Clam Population Biology hosted by New York Sea Grant, Port Jefferson, NY.
- Rice, M.A. (2000). *The ecology of quahogs in the Providence River*. Invited presentation at the Luncheon Seminar Series of the Narragansett Bay Commission, Providence, RI.
- Rice, M.A. (2000). *Considering the Providence River Quahogs*. Invited seminar to the members of the Rhode Island Chapter of Sigma Xi.
- Rice, M.A. (2000). *Aquaculture in Narragansett Bay*. Invited presentation to the Narragansett Bay 2000 Summit, Providence, RI.
- Rice, M.A. (2000). *Invited Moderator, Panel Discussion on Aquaculture Industry and Educational Needs in Southern New England*. 1st Annual Southern New England Aquaculture Conference.
- Rice, M.A. (2000). *Aquaculture in Rhode Island*. Invited presentation to the Rotary Club of Cranston (11/1/00).
- Rice, M.A. (2000). *Aquaculture in Rhode Island*. Invited presentation to the Rotary Club of Newport (11/7/00).
- Rice, M.A. (2001). *Environmental impacts of shellfish aquaculture: Filter feeding to control eutrophication*. Invited presentation at Marine Aquaculture and the Environment: A meeting for stakeholders in the Northeast, Univ. of Massachusetts, Boston. January 11-13, 2001.
- Rice, M.A. (2001). *Aquaculture in Rhode Island*. Invited presentation to the Rotary Club of Woonsocket. (3/22/01).
- Rice, M.A. (2001). *Aquaculture in Rhode Island*. Invited presentation to the Rotary Club of Jamestown. (8/8/01).
- Rice, M.A. (2001). *Environmental Impacts of Shellfish Aquaculture*. Invited Keynote Speaker at the Annual Meeting of the Pacific Coast Shellfish Growers Association, Silverdale, WA. Sept. 20-22, 2001.
- Rice, M.A. (2001). *Environmental Impacts of Shellfish Aquaculture*. Invited Speaker at the Workshop on Exploring On-Bottom Shellfish Aquaculture for Alaska, sponsored by Alaska Sea Grant. Anchorage, AK, November 13 to 14, 2001.
- Rice, M.A. (2002). *Current Status of Aquaculture in Rhode Island*. An invited presentation at the Workshop on Northeastern Aquaculture at the Aquaculture America 2002 Conference, San Diego Jan. 28-30, 2002.
- Rice, M.A. (2002). *Aquaculture in Rhode Island*. Invited presentation to the Snug Harbor and East Matunuck Civic Association, South Kingstown, RI. April 26, 2002.
- Rice, M.A. (2002). *Aquaculture in Rhode Island*. Invited presentation to the Lions Club of Cranston, RI. October 16, 2002.
- Rice, M.A. (2002). *Aquaculture in Rhode Island*. Invited presentation to the Lions Club of Newport, RI. November 8, 2002.
- Rice, M.A. (2003). *The Biology Oysters and Environmental Impacts of Oyster Farming*. Invited presentation to the Massachusetts Audubon Society, Wellfleet, MA February 12, 2003.
- Rice, M.A. (2004). *Aquaculture in Rhode Island*. Invited presentation to the Golden Agers of East Greenwich, RI. February 16, 2004.
- Rice, M.A. (2004). *Aquaculture in Rhode Island*. Invited presentation to the Tavern Hall Club of Kingston, RI. February 27, 2004.
- Poggie, J, and M.A. Rice (2004) *Demographic Trajectories, Migration and Environmental Impacts -- Palawan Province, the Philippines as a Micro-Demographic Laboratory*. Population Society of America Annual Meeting Boston, April 1-3, 2004.
- Rice, M.A. (2004) *Aquaculture in Rhode Island*. Invited presentation to the Rotary Club of Wakefield, RI. April 8, 2004
- Rice, M.A. (2004) *Aquaculture and World Seafood Production*. Invited presentation to the Brown University Environmental Forum. May, 2004.
- Rice, M.A. (2005) *Recommendations for Aquacultural Development Activities in the Coastal Zone of Tanzania*. Invited presentation to the ACIDI/VOCA SEEGAAD Project and the Tanzanian Coastal Zone Management Project. Dar es Salaam, January 14, 2005.
- Rice, M.A. (2005) *Building Aquafarms in Tanzania*. Invited presentation to the Tavern Hall Preservation Society, Kingston, RI April 22, 2005.
- Rice, M.A. (2005) *Recommendations for Tanzanian Aquaculture Development*. Invited presentation by ACIDI-VOCA and the U.S. Agency for International Development, May 16, 2005 Washington, D.C.
- Rice, M.A. (2005) *Why not Organic Aquaculture?* An invited presentation to the Annual Meeting of the National Association of State Aquaculture Coordinators. June 1, 2005 Long Branch, New Jersey.

- Rice, M.A. (2005) *A History of Extension and its Forms in the US and Elsewhere*. Presentation at WIOMSA East African Training Program in Mariculture Extension, Stonetown, Zanzibar, Tanzania June 27-July 2, 2005.
- Rice, M.A. (2005) *Artisanal Aquaculture: East and Southeast Asia as Models for East Africa*. Presentation at WIOMSA East African Training Program in Mariculture Extension, Stonetown, Zanzibar, Tanzania June 27-July 2, 2005.
- Rice, M.A. (2005) *Case Study: Aquaculture Extension in the Philippines*. Presentation at WIOMSA East African Training Program in Mariculture Extension, Stonetown, Zanzibar, Tanzania June 27-July 2, 2005.
- Rice, M.A. (2005) *Aquaculture Opportunities for the Western Indian Ocean Region*. Invited Keynote Address at the annual meeting of the Western Indian Ocean Marine Science Association (WIOMSA), August 31, 2005, Grand Baie, Mauritius.
- Rice, M.A. (2006). *Aquaculture in Rhode Island*. Invited presentation to the Rotary Club of Cranston. (2/01/06).
- Rice, M.A. (2006). *Aquaculture in Rhode Island*. Invited presentation to the Providence Sunrise Rotary Club. (3/16/06)
- Rice, M.A. (2006). *Depression of Spawning Potential in High Density Populations of Quahogs Mercenaria mercenaria in Rhode Island*. Invited Seminar at the Southeast Asian Fisheries Development Center (SEAFDEC) Aquaculture Department, Tigbauan, Iloilo, Philippines (6/8/06).
- Rice, M.A. (2006). *Depression of Spawning Potential in High Density Populations of Quahogs Mercenaria mercenaria in Rhode Island*. Invited Seminar at Leyte State University, Visca, Baybay, Leyte, Philippines (6/15/06).
- Rice, M.A. (2006). *Depression of Spawning Potential in High Density Populations of Quahogs, Mercenaria mercenaria* Invited Seminar at University of San Carlos, Talamban, Cebu City, Philippines (6/20/06).
- Rice, M.A. (2007). *International Opportunities for Extension Professionals: Fulbright and Professional Voluntary Organizations*. Invited Presentation at the Fourth National Aquaculture Conference, Cincinnati, Ohio (5/1/07).
- Rice, M.A. (2007). *Shellfish Restoration and Aquaculture Projects as a Means to Mitigate Coastal Nutrient Pollution*. Invited Presentation at the Fourth National Aquaculture Conference, Cincinnati, Ohio (5/3/07).
- Rice, M.A. (2007). *History of Shellfish Aquaculture in Rhode Island*. Presentation to the Working Group on Aquaculture, RI Coastal Resources Management Council. May 23, 2007.
- Rice, M. A. (2007). *Industry, Government and Academic Partnerships to Develop Aquaculture in Rhode Island*. Invited Presentation to the Faculty of Arts and Sciences at the Shota Rustaveli (Batumi) State University, Batumi, Adjara, Republic of Georgia, June 11, 2007.
- Rice, M.A. (2007). *History of Shellfish Aquaculture in Rhode Island*. Presentation at the invitation of RI Coastal Resources Management Council at their Aquaculture Information Workshop for Southern RI Town Council Members. August 8, 2007.
- Rice, M.A. (2007). *Shellfish Restoration & Aquaculture Projects as a Means to Mitigate Coastal Nutrient Pollution*. Invited Presentation at the Washington Sea Grant Workshop on the Effects of Shellfish Aquaculture on the Environment, Seattle, WA, September 13-14, 2007.
- Rice, M.A. (2009). *Aquaculture, World Trade and the EEZ: An Overview for Coast Guard Cadets*. Invited presentation at the U.S. Coast Guard Academy, New London, CT March 20, 2009.
- Rice, M.A. (2009). *Agricultural and Food Policy in Rhode Island*. Invited presentation to the meeting of the Rhode Island Center for Agricultural Promotion and Education. March 27, 2009, Exeter, RI.
- Rice, M.A. (2009). *The pioneering trout farm of the Hazard family of South Kingstown, 1877-1997*. Invited presentation to the Tavern Hall Preservation Society, Kingston, RI, May 15, 2009.
- Rice, M.A. (2009). *Edmund Rice (1594-1663): A founder of Sudbury and Marlborough, Massachusetts*. Invited presentation to the Annual Meeting of the Edmund Rice (1638) Association, Sudbury, MA, September 19, 2009.
- Rice, M.A. (2009). *Edmund Rice (1594-1663): A founder of Sudbury and Marlborough, Massachusetts*. Invited presentation to the Sudbury Historical Society, Sudbury, MA, September 20, 2009.
- Rice, M.A. (2010). *History of Shellfish Aquaculture in Rhode Island*. Presentation at the Senior Center of East Providence. September 2, 2010.
- Rice, M.A. (2010). *The pioneering trout farm of the Hazard family of South Kingstown, 1877-1997*. Invited presentation at the South Kingstown Public Library, Peace Dale, RI, October 7, 2009.
- Rice, M.A. (2010). *Building partnerships in transportation policy and planning*. Invited keynote speaker at the 23rd Annual Rhode Island Transportation Forum. Rhode Island Transportation Research Center, College of Engineering, URI, Kingston. October 29, 2010.
- Rice, M.A. (2011). *History of Shellfish Aquaculture in Rhode Island*. Presentation at the Greene, Public Library, Greene, RI. March 24, 2011.
- Rice, M.A. (2011). *History of Shellfish Aquaculture in Rhode Island*. Presentation to the Friends of Ponham Rocks Lighthouse, East Providence. April 20, 2011.

- Rice, M.A. (2011) *Results of a Preliminary Shoreline Shellfish Sanitary Survey near Banjul, Gambia Conducted on 18 June 2011*. At a workshop for officials of the Gambian National Assembly Select Committee on Agriculture and Rural Development and the Departments of Fisheries, Water Resources, Environment, and National Parks on 22 June 2011 in Banjul, The Gambia
- Rice, M.A. (2011). *The pioneering trout farm of the Hazard family of South Kingstown, 1877-1997*. Invited presentation at the Brightview Commons Senior Center, Wakefield, RI, June 29, 2011.
- Rice, M.A. (2011). *The pioneering trout farm of the Hazard family of South Kingstown, 1877-1997*. Invited presentation at the Slocum Grange, Slocum, RI, July 8, 2011.
- Rice, M.A. (2011). *The pioneering trout farm of the Hazard family of South Kingstown, 1877-1997*. Invited presentation at the Rotary Club of Wakefield, Wakefield, RI, September 1, 2011.
- Rice, M.A. (2011). *The pioneering trout farm of the Hazard family of South Kingstown, 1877-1997*. Invited presentation East Greenwich Historical Society, East Greenwich, RI, September 19, 2011.
- Rice, M.A. (2011). *Meet Some of Edmund's Descendants: The 19th & Early 20th Century Generals*. Invited keynote Presentation at the Edmund Rice (1638) Association, Sudbury, Massachusetts, Sept. 23-24, 2011.
- Rice, M.A. (2011). *The pioneering trout farm of the Hazard family of South Kingstown, 1877-1997*. Invited presentation Emerald Bay Manor Senior Center, Cumberland, RI, October 18, 2011.
- Rice, M.A. (2011). *24th Transportation Forum: Sustainable Green Transportation Infrastructure and System -- Welcome*. Invited convening Speaker. Rhode Island Transportation Research Center, College of Engineering, URI, Kingston. October 28, 2010.
- Rice, M.A. (2012). *Steps to developing a Gambian National Shellfish Sanitation Programme*. Presentation to the Gambian Departments of Fisheries and Water Resources, 5 January 2012, Banjul, The Gambia.
- Rice, M.A. (2012). *The pioneering trout farm of the Hazard family of South Kingstown, 1877-1997*. Invited presentation The Netopian Club of Rhode Island, 8 February 2012.
- Rice, M.A. (2012). *History of Shellfish Aquaculture in Rhode Island*. Presentation to the Barrington Garden Club, Barrington, RI. 14 February 2012.
- Rice, M.A. (2012). *The pioneering trout farm of the Hazard family of South Kingstown, 1877-1997*. Invited presentation The Museum of Primitive Culture, Peace Dale, Rhode Island, 12 April 2012.
- Rice, M.A. (2012). *Aquaculture in the World and South Kingstown*. An invited presentation to the Point Judith Coast Guard Auxiliary, Wakefield, RI. 16 April 2012.
- Rice, M.A. (2012). *History of Shellfish Aquaculture in Rhode Island*. Presentation to the Brightview Commons Senior Center, Wakefield, RI. 13 May 2012.
- Rice M.A. (2012). *Centennial Lecture 1912-2012: The Formation of the Edmund Rice (1638) Association and the Raising of the Edmund Rice Monuments in Sudbury, Massachusetts*. Invited keynote address at the centennial meeting of the Edmund Rice (1638) Association, Natick, Massachusetts, Sept. 21-22, 2012.
- Conteh, F, and M.A. Rice (2013). *Results of Water Quality and Steps to Develop a Gambian National Shellfish Sanitation Programme (G-NSSP)*. Presentation at the First Annual Review of the Co-Management Agreement between the Try Oyster Women's Association and the Government of The Gambia. Jan. 10-11, 2013.
- Rice, M.A., G. Gabis, K. Babanding, and L. Kelpsaita (2013). Modified Taylor Float System for Culturing Oysters at Kubeneh, The Gambia. Presentation at the First Annual Review of the Co-Management Agreement between the Try Oyster Women's Association and the Government of The Gambia. Jan. 10-11, 2013.
- Rice M.A. F. Conteh, O. Drammeh, K. Babanding, and B. Banja. (2013). *Briefing to Gambian Parliament on Sanitary Water Quality, Shellfisheries and Aquaculture of Crassostrea tulipa in the Tanbi Estuary of Gambia, West Africa*. Address at the Invitation of Parliament Speaker Amadou Saine to select members of the Gambian Parliamentary Committees on Agriculture and Rural Development and the Committee on the National Budget, Jan 14, 2013.
- Rice, M.A., F. Conteh, and O. Drameh. (2013). *The Beginnings of Shellfish Aquaculture and Water Quality Certifications in The Gambia, West Africa*. Invited presentation at the Mid-Atlantic Interstate Seafood Conference, Rehoboth Beach, Delaware. Apr 18, 2013
- Rice, M.A. (2013). *History of Shellfish Aquaculture in Rhode Island*. Presentation Atria Commons Senior Center, Portsmouth, RI. May 2, 2013.
- Rice, M.A. (2013). *Pilot study on outreach to municipal officials in the Philippines*. US Soybean Export Council Southeast Asia Regional Symposium on Aquaculture. Novotel Ploenchit, Bangkok, Thailand. June 10-13, 2013.
- Rice, M.A. (2013). *Finding aquaculture carrying capacity and not exceeding it: How can ecological or economic models help?* Invited presentation to the Agency for Marine Fisheries Research and Development Institute for Mariculture, Banjar Dinas Gondol, Gerokgak, Buleleng, Bali, Indonesia. June 17, 2013.

- Rice, M.A. (2013). *Finding aquaculture carrying capacity and not exceeding it: How can ecological or economic models help?* Invited presentation to the Department of Fisheries and Marine Sciences, at Bogor Agricultural University, Bogor, West Java, Indonesia. June 19, 2013.
- Rice, M.A. (2013). *Modeling of aquaculture and use of common water bodies: A research and extension program for Southeast Asia.* Invited presentation to the Southeast Asian Fisheries Development Center Aquaculture Department (SEAFDEC-AQD), Tigbauan, Iloilo, Philippines. 26 June 2013.
- Rice, M.A. (2013). *Factors influencing the growth of quahogs and other clams and how science has made farming of clams possible.* Presentation at the Brightview Commons Senior Center, Wakefield, RI. 9 August 2013.
- Rice, M.A. (2013). *Meet some of Edmund Rice's descendants: Notable writers and entertainers.* An invited address at the annual meeting of the Edmund Rice (1638) Association, Marlborough, Massachusetts, 21 September 2013.
- Rice, M.A. (2014). *The economic and environmental history of shellfish aquaculture in Rhode Island and its lessons for The Gambia.* Presentation at the TRY Women's Oyster Association Workshop, 16 January 2014, Kanifing, The Gambia.
- Rice, M.A. (2014). *Sanitary water quality and shellfisheries: Toward a Gambian National Shellfish Sanitation Program.* Presentation at the TRY Women's Oyster Association Workshop, 16 January 2014, Kanifing, The Gambia.
- Rice, M.A. (2014). *The history of American Fish Culture Company, Richmond's pioneering trout farm.* An invited presentation to the Richmond, Rhode Island Historical Society, 13 April 2014.
- Rice, M.A. (2014). *Extension Programming in Support of Public Policy for the Management of Aquaculture in Common Water Bodies.* Invited Public Lecture at Fakultas Perikanan dan Kelautan, Haluoleo University, Kendari, Sulawesi Tenggara, Indonesia. 13 June 2014.
- Rice, M.A. (2014). *Enviro-economic Modeling and Extension Programming in Support of Public Policy for the Management of Aquaculture Conducted in Common Water Bodies.* Submitted paper to the International Conference of Aquaculture Indonesia, University of Padjadjaran (UNPAD) Bandung, Indonesia. 20 June 2014.
- Rice, M.A. (2014). *Extension Programming in Support of Public Policy for the Management of Aquaculture in Common Water Bodies.* Invited speaker at Workshop on Management of Reservoir Aquaculture in Indonesia, sponsored by the Ministry of Marine Affairs and Fisheries, Indonesia. Horison Hotel, Bogor, Indonesia. 2 July, 2014
- Rice, M.A. (2014). *History of Shellfish Aquaculture in Rhode Island.* Presentation to the Matunuck Community Association, South Kingstown, RI. 19 August 2014.
- Rice, M.A. (2014). *An introduction to Edmund Rice and the ERA.* An invited address at the annual meeting of the Edmund Rice (1638) Association, Sturbridge, Massachusetts, 20 September 2014.
- Rice, M.A. (2014). *Meet cousin Arthur Wallace Rice, (1869-1938), Architect and founding member of the ERA.* An invited address at the annual meeting of the Edmund Rice (1638) Association, Sturbridge, Massachusetts, 20 September 2014.
- Rice, M.A. S.R. Rodrigues, and K. Venturini. (2014). *Philosophical and institutional innovations of Kenyon Leech Butterfield and the Rhode Island contributions to the development of Land Grant and Sea Grant Extension.* An invited address at the National Smith-Lever Act Centennial Symposium, September 25, 2014, West Virginia University, Morgantown, WV.
- Rice, M.A. (2015). *History of Shellfish Aquaculture in Rhode Island.* Presentation to the Greenwich Bay Power Squadron, Warwick, RI. 21 April 2015.
- Rice, M.A. (2015). *The Pioneering Trout Farm of the Hazard Family of South Kingstown, 1877-1997.* Invited presentation RI Chapter of the National Association of Retired Federal Employees, 8 September 2015.
- Rice, M.A. (2015). *Meet Some of Edmund Rice's Descendants: A Few Notable Rice Women Cousins.* Invited address at the annual meeting of the Edmund Rice (1638) Association, Sudbury, Massachusetts, 26 September 2015.
- Rice, M.A., P.D. Rawson, and W.R. Rosario. (2016). *Notes on the Identification and Distribution of the Exotic Western Hemisphere Mussel, Mytella charruana D'Orbigny 1846, in the Estuaries of Pangasinan, Philippines.* Submitted presentation to the 36th Milford Aquaculture Seminars, January 11-13, 2016, Shelton Courtyard Marriott Hotel, Shelton, Connecticut, USA.
- Rawson, P.D., C. Bowman, M.A. Rice and W.R. Rosario. (2016). *Genetic evidence of a recent introduction of the Charru mussel, Mytella charruana, to the Philippine Islands.* Forty-fifth Benthic Ecology Meeting, March 16-19, 2016, Westin Harborview Hotel, Portland, Maine, USA.
- Rice, M.A., P.D. Rawson, W.R. Rosario, and A.D. Salinas. (2016). *Identification, distribution and aquaculture of the western hemisphere mussel Mytella charruana in the Philippines.* Asia-Pacific Aquaculture Meetings, April 26-29, 2016, Grand City Convention Center, Surabaya, Indonesia.
- Bengtson, D.A., J.P. Oakley, T. Breeden, A.J. Gold, and M.A. Rice. (2016). *Aquaculture carrying capacity of Lake Jatigede, Indonesia.* Asia-Pacific Aquaculture Meetings, April 26-29, 2016, Grand City Convention Center, Surabaya, Indonesia.

- Breeden, T., D.A. Bengtson, A.J. Gold, and M.A. Rice. (2016). *Modeling aquaculture carrying capacity in the Cirata Reservoir, Java, Indonesia*. Asia-Pacific Aquaculture Meetings, April 26-29, 2016, Grand City Convention Center, Surabaya, Indonesia.
- Timonina, I., D. Taskov, F.J. Murray, D.C. Little, D.A. Bengtson, T. Telfer, M.A. Rice, M.M. Kamal, and C. Desayana. (2016). *Value chain governance in Indonesian net cage aquaculture sector: The cases of Lake Toba and Jatiluhur Reservoir*. Asia-Pacific Aquaculture Meetings, April 26-29, 2016, Grand City Convention Center, Surabaya, Indonesia.
- Taskov D., F.J. Murray, D.C. Little, D.A. Bengtson, T. Telfer, M.A. Rice, M.M. Kamal, and C. Desayana. (2016). *Zonal and farm-scale effects on nutrient discharge from net-cage aquaculture in Jatiluhur Reservoir, W. Java, Indonesia*. Asia-Pacific Aquaculture Meetings, April 26-29, 2016, Grand City Convention Center, Surabaya, Indonesia.
- Murray, F.J., D. Taskov, I. Timotina, M. Nicolini, D.C. Little, T. Telfer, D.A. Bengtson, M.A. Rice, M.M. Kamal, and C. Desayana. (2016). *A comparative analysis of cage aquaculture systems, markets, governance and environmental impact in three Indonesian reservoirs and lakes*. Asia-Pacific Aquaculture Meetings, April 26-29, 2016, Grand City Convention Center, Surabaya, Indonesia.
- Rice, M.A. (2016). *Massachusetts Bay Colony and Queen Anne's War: The North American theater of the War of Spanish Succession 1702-1713*. Invited presentation at the 104th Annual Meeting of the Edmund Rice (1638) Association, September 23-24, 2016, Doubletree Inn, Westborough, Massachusetts, USA.
- Rice, M.A., P.D. Rawson, A.D. Salinas, and W.R. Rosario. (2016). *Identification and salinity tolerance of the Western Hemisphere mussel Mytella charruana (d'Orbigny 1842) in the Philippines*. Submitted poster at the 7th Fisheries Scientific Conference, September 28-29, 2016, Tagaytay International Convention Center, Tagaytay City, Cavite, Philippines.
- Rice, M.A. (2016). *Oyster aquaculture in Rhode Island and its 2015 status*. Invited presentation to a Special Session on Oyster Aquaculture in the Gulf States at the meeting of the Gulf States Marine Fisheries Commission, October 13, 2016 at the J.W. Marriott Hotel, New Orleans, Louisiana.
- Rice, M.A., P.D. Rawson, A.D. Salinas, and W.R. Rosario. (2017). *Identification and salinity tolerance of the Western Hemisphere mussel Mytella charruana (d'Orbigny 1842) in the Philippines*. Invited presentation to the Municipal Staff & Mayor of Alaminos, Pangasinan, and the National Park Staff of Hundred Islands National Park, Lucap, Alaminos Pangasinan, Philippines, January 11, 2017.
- Rice, M.A. (2017). *Extension and its forms in the United States and elsewhere: History and examples for Bangladesh*. Invited presentation by the Vice-Chancellor, Jessore University of Science and Technology in celebration of United Nations World Environment Day, June 5, 2017.
- Rice, M.A. (2017). *Extension programming in support of public policy for management of aquaculture in common water bodies*. Invited presentation by the Vice-Chancellor, Jessore University of Science and Technology in celebration of United Nations World Environment Day, June 5, 2017.
- Rice, M.A. (2018). *Identification and spread of the exotic South American mussel, Mytella charruana, in the Philippines: Implications for Indonesia*. Invited presentation to Faculty of Biological Sciences, Pattimura University, Ambon, Indonesia. May 25, 2018.
- Rice, M.A. (2018). *Identification and spread of the exotic South American mussel, Mytella charruana, in the Philippines: Implications for Indonesia*. Invited presentation to Faculty of Biological Sciences, Halouleo University, Kendari, Indonesia. May 30, 2018.
- Rice, M.A. (2018). *Identification and spread of the exotic South American mussel, Mytella charruana, in the Philippines: Implications for Indonesia*. Invited presentation to Faculty of Biological Sciences, Cendrawasih University, Jayapura, Papua, Indonesia. June 4, 2018.
- Rice, M.A. (2018). *Identification and spread of the exotic South American mussel, Mytella charruana, in the Philippines: Implications for Indonesia*. Invited presentation to Kementerian Kelautan dan Perikanan (Ministry of Marine Affairs and Fisheries), Jakarta, Indonesia. June 6, 2018.
- Rice, M.A. (2019). *Identification and spread of South American charru mussels in Central and Northern Luzon, Philippines*. Invited presentation at the Marine Science Institute, University of the Philippines, Diliman. June 7, 2019.
- Rice, M.A. (2019). *The Development of Cooperative Extension at Land Grant Universities in the USA, and Cooperative Extension Programming at the University of Rhode Island*. Invited presentation by the Marine Sciences Program, Silliman University, Dumaguete City, Philippines. June 10, 2019.
- Rice, M.A. (2019). *Marine Extension at the University of Rhode Island and the use of University-Based Extension Programming to Assist Integrated Co-Management of Fisheries*. Invited presentation by the Faculty of Social and Political Sciences, Cenderawasih University. June 21, 2019.

- Rice, M. A. (2019). *Carrying Capacity of Aquaculture in Common Waters of Indonesia: Using Extension Education and Adaptive Co-Management Approach*. Invited Keynote Address at the First International Conference on Biology of Cenderawasih University, held October 19-20, at the Swiss-Bel Hotel, Jayapura, Papua, Indonesia.
- Rice, M.A. (2020). *Aquaculture of Spiny Lobsters (Palinuridae) around Southeast Asia*. Invited Lecture at the Fakultas Perikanan dan Ilmu Keautan, Universitas Halouleo, January 15, 2020.
- Rice, M.A. (2020). *Considering ecosystem approaches to marine aquaculture: Promises and pitfalls*. Invited presenter International Webinar on the Challenges and Prospects of Mariculture Development Within the Framework of Ecosystem approach to Aquaculture. Hosted by the Ministry of Fisheries and Marine Affairs, Government of Indonesia. 10:00WIT (GMT +7) 9 June 2020.
- Rice, M.A. (2021). *Intensive Fishing Effort as a Tool for Managing Invasive Aquatic Species in Southeast Asia*. Invited keynote speaker, International Conference of Fisheries and Marine Science 2021 at the 13th MPHPI Scientific Meeting/Webinar on September 20, 2021 at Lambung Mangkurat University, Banjarmasin, Surabaya, Indonesia.
- Rice, M.A. (2021). *Global Status of Seafood Production Focusing on Mollusks*. Invited speaker, CPD Training on Production Technologies and Industry Developments in Oysters and Mussels. October 27-29, 2021 by virtual platform, National Integrated Fisheries Technology Development Center, Asian Fisheries Academy, Department of Agriculture, Bureau of Fisheries and Aquatic Resources in partnership with USAID Fish Right Program, Bonuan Binloc, Dagupan City, Philippines.
- Rice, M.A. (2021). *Monitoring and Control of the Invasive Mussel, Mytella strigata*. Invited speaker, CPD Training on Production Technologies and Industry Developments in Oysters and Mussels. October 27-29, 2021 by virtual platform, National Integrated Fisheries Technology Development Center, Asian Fisheries Academy, Department of Agriculture, Bureau of Fisheries and Aquatic Resources in partnership with USAID Fish Right Program, Bonuan Binloc, Dagupan City, Philippines.
- Rice, M.A. (2021). *Shellfish Sanitation Issues: Some History, Market Impediments & Possible Solutions*. Invited speaker, CPD Training on Production Technologies and Industry Developments in Oysters and Mussels. October 27-29, 2021 by virtual platform, National Integrated Fisheries Technology Development Center, Asian Fisheries Academy, Department of Agriculture, Bureau of Fisheries and Aquatic Resources in partnership with USAID Fish Right Program, Bonuan Binloc, Dagupan City, Philippines.
- Rice, M.A. (2022). *Intensive Fishing Effort for Managing Invasive Aquatic Species*. Oral presentation. USAID-Zambia Workshop on Invasive Crayfish, University of Zambia, Lusaka, Zambia, March 17, 2022
- Rice, M.A. (2022). *Historic Rhode Island Shellfisheries and Shellfish Management Decisions*. Presentation to the Shellfish Advisory Panel, Rhode Island Marine Fisheries Council, Narragansett, RI. April 20, 2022.
- Rice, M.A. (2022). *Understanding Pond Soil and Water Chemistry to Avoid Fish Kills*. Keynote Presentation, CPD Training on Milkfish Production and Fishpond Management. Professional Regulation Commission, Board of Professional Fisheries Technologists, and the Philippine Bureau of Fisheries and Aquatic Resources. 26 April 2022, at the National Integrated Fisheries Technology Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines
- Rice, M.A. (2022). *Forty Years of Aquaculture Management in the Dagupan City Estuary, Philippines*. Invited seminar hosted by the Global Center for Aquatic Health and Food Security and the Department of Wildlife, Fisheries and Aquaculture, Mississippi State University at Starkville, Tully Auditorium, Thompson Hall. June 3, 2022.
- Rice, M.A. (2022). *Sustainable Aquacultural Intensification and the Dilemma of Invasive Species: The Case of the Introduced Australian Crayfish, Cherax quadricarinatus in South Central Africa*. Third International Sustainable Agricultural Intensification a Nutrition Conference June 28, 2022, Angkor Paradise Hotel, Siem Reap, Cambodia.
- Rice, M.A. (2022). *University of Rhode Island's cooperative joint-degree program with Universitas Syah Kuala, Aceh, Indonesia as a possible model for Philippine University Partnerships*. Presentation to the Council of Deans and University Leadership, Central Luzon State University (CLSU), Muñoz, Nueva Ecija, Philippines. June 30, 2022.
- Rice, M.A. (2022). *A 40-year Retrospective of Aquaculture Carrying Capacity Management and IMTA in the Dagupan Estuary*. Presentation at the Asian Fisheries Academy, National Fisheries Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines. July 5, 2022.
- Rice, M. A. (2022). *Use of Intensive Fishing Effort for the Control of Invasive Aquatic Species*. Presentation at the Asian Fisheries Academy, National Fisheries Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines. July 5, 2022.
- Rice, M.A. (2022). *A 40-year Retrospective of Aquaculture Carrying Capacity Management and IMTA in the Dagupan Estuary*. Presentation at the Marine Sciences Department, Silliman University, Dumaguete City, Philippines. July 8, 2022.

- Rice, M. A. (2022). *Use of Intensive Fishing Effort for the Control of Invasive Aquatic Species*. Presentation at the Marine Sciences Department, Silliman University, Dumaguete City, Philippines. July 8, 2022.
- Rice, M.A. (2022). *Tourism and Aquaculture: Cases from Coastal Rhode Island and Hundred Islands National Park, Philippines* Presentation for a training of Indonesian coastal managers at the University of Rhode Island Coastal Resources Center, URI Narragansett Bay Campus November 15, 2022
- Rice, M.A. (2023). *A 40-year Retrospective of Aquaculture Carrying Capacity Management and IMTA in the Dagupan Estuary*. Invited Community Lecture hosted by the College of Fisheries, Central Luzon State University, Muñoz, Nueva Ecija, Philippines. August 22, 2023.
- Rice, M.A. (2024) *160 Years of Aquaculture Development in Rhode Island, USA*. Presentation to the Department of Fisheries and Marine Sciences, at Raja Ali Haji Maritime University, Tanjungpinang, Riau Islands, Indonesia. April 11, 2024.
- Rice, M.A. (2024) *160 Years of Aquaculture Development in Rhode Island, USA*. Presentation to the Faculty of Fisheries and Marine Sciences, at Raja Ali Haji Maritime University, Tanjungpinang, Riau Islands, Indonesia. April 11, 2024.
- Rice, M.A. (2024) *160 Years of Aquaculture Development in Rhode Island, USA*. Presentation to the Faculty of Fisheries and Marine Sciences, at Halouleo University, Kendari, Southeast Sulawesi, Indonesia. April 15, 2024.
- Rice, M.A. (2024) *160 Years of Aquaculture Development in Rhode Island, USA*. Presentation to the Faculty of Fisheries, sponsored by Korea Maritime Institution (KMI) and Korea Institute of Ocean Science and Technology (KIOST), Yeosu City, South Jeolla, South Korea. April 25, 2024.
- Rice, M.A. (2024) *160 Years of Aquaculture Development in Rhode Island, USA*. Presentation to the Faculty of Fisheries, sponsored by College of Fisheries, Central Luzon State University, Muñoz, Nueva Ecija, Philippines. June 13, 2024.
- Rice, M.A. (2024) *Induction, Deduction and Popper's Scientific Falsification as the Basis for Statistical Tests*. Presentation to the general faculty of CLSU, sponsored by the Hannah W. Tibbs Writers Studio and the Office of International Programs, Central Luzon State University, Muñoz, Nueva Ecija, Philippines. June 13, 2024.
- Rice, M.A. (2025) *Governance of the Aquatic Commons in Rhode Island as a Catalyst for Aquaculture Growth over Three Decades*. The 44th Milford Aquaculture Seminars, January 13-15, 2025. Shelton Connecticut, USA.
- Rice, M.A. (2025) *Governance of the aquatic commons in Rhode Island as a catalyst of aquaculture growth over three decades*. Presentation to the Faculty of Fisheries, sponsored by College of Fisheries, Central Luzon State University, Muñoz, Nueva Ecija, Philippines. June 13, 2025.
- Rice, M.A. (2025) *Ecosystem Approaches to Aquaculture: IMTA and Maintaining Water Quality*. CPD Training on Integrated Multi-trophic Aquaculture. Professional Regulation Commission, Board of Professional Fisheries Technologists, and the Philippine Bureau of Fisheries and Aquatic Resources. 16-18 June 2025, at the National Fisheries Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines
- Rice, M.A. (2025) *Shellfish Sanitation in IMTA Systems and Assuring Sanitary Quality*. CPD Training on Integrated Multi-trophic Aquaculture. Professional Regulation Commission, Board of Professional Fisheries Technologists, and the Philippine Bureau of Fisheries and Aquatic Resources. 16-18 June 2025, at the National Fisheries Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines
- Rice, M.A. (2025) *Keynote Address: Expert presentation on the importance of DSS in fisheries management*. Workshop on Promoting Decision Support System (DSS) Using Digital Data to Support Small Pelagic Fisheries Management in the APEC Region. Sponsored by Asia-Pacific Economic Cooperation (APEC), Ministry of Fisheries and Oceans Indonesia, and Halouleo University, at the Swissotel, PIK Jakarta, September 23-25, 2025.
- Rice, M. A. (2026). *Keynote Address: A Brief History of Research and Development of Marine Algae in the USA and Southeast Asia*. International Webinar on Production of Seaweeds & Algae as a Component of Developing a Blue Economy. Co-sponsored by the Ministry of Higher Education, Science and Technology, and Halouleo University, Kendari, Southeast Sulawesi, Indonesia. May 19, 2026.

COOPERATIVE EXTENSION AND RELATED ACTIVITIES

- Technical Coordinator for various fisheries and aquaculture trainings for Peace Corps Volunteers/Philippines (1981 to 1984).
- Faculty Associate of the International Center for Marine Resource Development, Univ. of Rhode Island (1987 to 1993)
- Cooperative Extension Workgroup (Northeast Regional Aquaculture Center/USDA) (1987-present)
- Regional Priorities Conference Program Committee (NRAC/USDA) (1988).

Organizing Chairman, First Rhode Island Shellfisheries Conference (Summer, 1990)
 Aquaculture Water Quality Workgroup Northeast Regional Aquaculture Center (1990)
 Technical Advisor, Rhode Island Scallop Project (1990)
 Invited Consulting Aquaculture Scientist, Stellar Seafarms, Puerto Princessa City, Palawan, PHILIPPINES, (Summer, 1991)
 Organizing Chairman, Second Rhode Island Shellfisheries Conference (Summer 1992)
 Coordinator of Workshop, "Zebra Mussels and Industrial Water Users in Rhode Island" (1993).
 Technical Advisor, Ocean State Aquaculture Association (1993 to 1998)
 Technical Advisor, Rhode Island Watershed Watch Program (1993 to present)
 Guest editor, *Maritimes*--special issue on aquaculture. (1994).
 Organizing Chairman, Third Rhode Island Shellfisheries Conference. (Summer 1994).
 Organized, developed and conducted summer aquaculture training course (1995 and 1996) for Rhode Island fishermen through RI Cooperative Extension and RI Sea Grant.
 Member of Steering Committee, Rhode Island Conference on Aquaculture (1996).
 Member of Board of Directors, Narragansett Bay Marine Resources Foundation, Inc. (1996-1998)
 Workshop Coordinator, *Workshop on Water Quality Management and Fish Health Management for Agricultural Extension Workers*, through Philippine Department of Agriculture, Bureau of Fisheries and Aquatic Resources, Region 1 (1996).
 Workshop Co-coordinator and Principal Lecturer, "National Workshop on Aquatic Animal Health Number 2: Shellfish Health Management", through the Fish Health Section, Bureau of Fisheries and Aquatic Resources, Manila, Philippines (1997).
 Workshop Co-coordinator and Principal Lecturer, "Workshop on Impacts of Aquaculture on the Aquatic Environment", Bureau of Fisheries and Aquatic Resources Aquatic Research Center, Bonuan Binloc, Dagupan City, Philippines (1997).
 Workshop Coordinator and Principal Lecturer, "Aquaculture for Regulators" at the request of the Rhode Island Coastal Resources Management Council (1997).
 Conference Co-Coordinator. "Second Rhode Island Conference on Aquaculture" through RI Cooperative Extension and 7 other co-sponsors (1997).
 Workshop Session Coordinator. "Aquaculture in Science Curricula in Rhode Island", Massachusetts Maritime Academy/New England Board of Higher Education (1997).
 Conference Co-Coordinator. "Third Rhode Island Conference on Aquaculture" through RI Cooperative Extension and 7 other co-sponsors (1998).
 Workshop Coordinator and Principal Lecturer. "Shellfish Restoration and Coastal Water Quality" at the request of the Rhode Island Coastal Resources Management Council (1999).
 Workshop Facilitator and Session Chair. "High School to Post-Secondary Curriculum Linkages in Aquaculture Education. AQUA Workshops, sponsored by the New England Board of Higher Education, Danvers MA. (1999).
 Conference Coordinator. "Fourth Rhode Island Conference on Aquaculture" through RI Cooperative Extension and 4 other co-sponsors (1999).
 Conference Coordinator. "First Southern New England Aquaculture Conference & Fifth Annual Rhode Island Conference on Aquaculture" through RI Cooperative Extension and 9 other co-sponsors (2000).
 Conference Coordinator. "Second Annual Southern New England Aquaculture Conference & Sixth Annual Rhode Island Conference on Aquaculture" through RI Cooperative Extension and 9 other co-sponsors (2001).
 Member, National Aquaculture Effluents Task Force, Hosted by CSREES-USDA and NOAA to assist EPA in analyzing impacts of aquaculture effluents (2001-2004).
 Chairman of Coordinating Committee. Third Northeastern Aquaculture Conference and Expo. Warwick, RI November 15-16, 2002
 Cooperating Scientist, GEMS-NET Science Education for Teachers. (2001 to 2010).
 Workshop Facilitator, GEMS-NET Science Education for Teachers. July 16-24, 2002, University of Rhode Island.
 Member of Coordinating Committee, Second Annual Conference of the Rhode Island Association of Conservation Commissions, May 24 , 2003 University of Rhode Island
 Chairman of Coordinating Committee. Seventh Annual Rhode Island Aquaculture Conference, University of Rhode Island W. Alton Jones Campus, October 22-23, 2003
 Member of Coordinating Committee, Third Annual Conference of the Rhode Island Association of Conservation Commissions, June 5, 2004 University of Rhode Island

Member of Coordinating Committee & Program Chairman. Fourth Northeastern Aquaculture Conference and Expo. Manchester, NH December 3&4, 2004

Invited Consulting Aquaculture Extension Scientist, ACDI/VOCA SEEGAAD Project, Tanga, Tanzania December 24 2004-January 15, 2005.

Invited Presenter and Workshop Facilitator, WIOMSA East African Training Program in Mariculture Extension, Stonetown, Zanzibar, Tanzania June 27-July 2, 2005.

Invited Consulting Aquaculture Extension Scientist, TCMP/CRC-URI, Dar es Salaam, Tanzania July 2-10, 2005.

Member of Coordinating Committee 2006 Fifth Northeastern Aquaculture Conference and Exposition, Mystic CT.

Member of Coordinating Committee 2006-2007 National Aquaculture Extension Conference, April 30-May 4, 2007, Cincinnati, OH.

Invited Consulting Aquaculture Extension Scientist, ACDI/VOCA Batumi, Republic of Georgia. July 30 - August 12, 2006 and June 1 – June 16, 2007.

Member of the Organizing Committee 2008. National Oceanic and Atmospheric Administration (NOAA) National Symposium on Shellfish and the Environment on June 9-10, 2008, in Warwick, Rhode Island.

Invited Presenter, Conference on Shellfish Restoration and Nitrogen Cycling in Estuarine Environments What is the science? Barnstable County Cooperative Extension and Woods Hole Sea Grant, Hyannis, MA, May 8, 2009.

Invited Consulting Aquaculture Extension Scientist, TCMP/CRC-URI Banjul, Republic of The Gambia. June 15 – June 28, 2010.

Contributing faculty member, URI Coastal Institute Workshop on Leadership in Fisheries and Coastal Management, TCMP/CRC-URI August 15- September 3, 2010.

Member of Strategic Plan Advisory Committee, Rhode Island Agricultural Partnership. Developing 5-year strategic plan for RI Agriculture. June 2010 to May 2011.

Invited Consulting Aquaculture Extension Scientist, TCMP/CRC-URI Banjul, Republic of The Gambia. January 3 - 13, 2011.

Organizer and Coordinator, TCMP/URI-Coastal Resources Center, Study Tour in Shellfisheries and Shellfishery Sanitary Water Quality for Gambian Professionals. Rhode Island, USA May 22 to June 4, 2011.

Invited Consulting Aquaculture Extension Scientist, TCMP/CRC-URI Banjul, Republic of The Gambia. June 13 to 26, 2011.

Invited Consulting Aquaculture Extension Scientist, TCMP/CRC-URI Banjul, Republic of The Gambia. January 1 to 17, 2012.

Workshop Coordinator, Understanding the RI Legislative Process and Developing “Green” Bills, 9th Annual Land and Water Conservation Summit, University of Rhode Island. March 10, 2012.

Invited Consulting Aquaculture Extension Scientist, TCMP/CRC-URI Banjul, Republic of The Gambia. January 1 to 17, 2013.

Organizer and Coordinator, Workshop on Modeling Impacts of Aquaculture Production and the Use of Common Water Bodies – Bureau of Fisheries and Aquatic Resources, Republic of the Philippines – National Integrated Fisheries Development Center, Bonuan Binloc, Dagupan City, Philippines. June 6, 2013.

Organizer and Coordinator, Workshop on Modeling Impacts of Aquaculture Production and the Use of Common Water Bodies – Bureau of Fisheries and Aquatic Resources Region I, Republic of the Philippines Region I Marine Aquaculture Technology Development Center, Lucap, Alaminos City, Philippines. June 7, 2013.

Invited Consulting Aquaculture Extension Scientist, TCMP/CRC-URI Banjul, Republic of The Gambia. January 3 to 18, 2014.

Co-organizer and Co-coordinator, Workshop on the Review of Oyster Fishery Co-Management by the TRY-Women's Oyster Association and the Government of the Gambia. National Nutrition Agency, Kanifing, The Gambia. January 16, 2014.

Co-organizer & Co-coordinator, Program on Aquaculture Water Quality Management in Indonesian Freshwater Lakes & Reservoirs, Institut Peranian Bogor (IPB), Bogor, Indonesia and Cianjur, Jawa Barat, Indonesia. June 15-July 4, 2014.

Invited Consulting Aquaculture Extension Scientist, PT Tropical Ocean Prawn Company, Singaraja, Buleleng, Bali, Indonesia. July 4-5, 2014.

Invited Consulting Aquaculture Extension Scientist, Winrock International, Philippine Cold Chain Project, Butuan City, Agusan del Norte, Philippines. July 13-20, 2014.

Invited Consulting Aquaculture Extension Scientist, PT Tropical Ocean Prawn Company, Singaraja, Buleleng, Bali, Indonesia. June 9-20, 2015.

Invited Consulting Aquaculture Extension Scientist, Winrock International, Philippine Cold Chain Project, Butuan City, Agusan del Norte, Philippines. June 30-July 11, 2015.

Workshop Co-Coordinator, Understanding the RI Legislative Process and Status of Conservation Commissions in RI, 12th Annual Land and Water Conservation Summit, University of Rhode Island. March 19, 2016.

Workshop Coordinator and Principal Lecturer, Study Tour/Training in Oyster Culture and Shellfish Management, USAID/Ghana Sustainable Fisheries Management Project, Coastal Resources Center, University of Rhode Island, September 19-30, 2016.

Workshop Co-Coordinator and Principal Lecturer, *International Congress Focused on Aquaculture Practices*. In cooperation with the Philippine Bureau of Fisheries and Aquatic Resources and with the Philippine Department of Education--Pangasinan, Asian Fisheries Academy, Bonuan-Binloc, Dagupan City, Pangasinan, January 19, 2017.

Invited Consulting Aquaculture Extension Scientist, Winrock International, Fisheries and Aquaculture Curriculum Development, Jessore University of Science and Technology, Jessore, Bangladesh. May 28-June 14, 2017.

Invited Aquaculture Extension Professional, Faculty of Mathematics and Natural Sciences, Cenderawasih University, Jayapura, Papua, Indonesia (May 21- June 10; June 28 - July 5, 2018; and January 7 to 14, 2020), with mission to assist in developing a new Faculty in Fisheries and Marine Sciences.

Workshop Co-Coordinator and Principal Lecturer, Identification and management of the invasive South American mussel, *Mytella charruana*. In cooperation with the Philippine Bureau of Fisheries and Aquatic Resources Region 2, Tuguegarao, Cagayan, Philippines. June 25, 2018.

Invited Presenter at "Workshop on Forging Partnerships with the Philippine Genome Center Visayas Satellite Facility" on the topic of bar code identification of charru mussels in Pangasinan as an example how molecular genetic and genomics work can assist in managing the invasive species, and how collaboration between Filipino marine scientists and the Genomics Center might build upon our foundational work. At University of the Philippines in the Visayas, Iloilo Campus. June 14, 2019

Workshop Co-Coordinator and Principal Lecturer, "Strengthening the Capacity of Human Resources and the Establishment of the Faculty of Fisheries and Marine Sciences at Cenderawasih University (UNCEN)." Jayapura, Papua, Indonesia June 20, 2019 as part of a two-year effort to create a Faculty of Fisheries and Marine Sciences at UNCEN. Spoke on topics of Cooperative Extension programming at URI and its application to Adaptive Co-Management of Fisheries.

Invited Aquaculture Extension Professional, Faculty of Mathematics and Natural Sciences, Cenderawasih University, Jayapura, Papua, Indonesia (June 21, 2019), with mission to assist in developing a new Faculty in Fisheries and Marine Sciences.

Presenter, *Examining Estuarine Aquaculture the Philippines*. Webinar Ecosystem Services and United Nations Sustainable Development Goals for World Environment Day. Hosted by Calma Expeditions, Lions Club International Rabindra and the University of Calcutta. 5 June 2020.

Invited Keynote Speaker, *Renewing University Fisheries Programming in Support of Sustainability and the Blue Economy*. Webinar Sustainability and the Blue Economy. Hosted by Calma Expeditions, and the University of Calcutta. 25 Feb 2021.

Invited Keynote Speaker, *Intensive Fishing Effort as a Tool for Managing Invasive Aquatic Species in Southeast Asia*. International Webinar on Fisheries and Marine Sciences, Hosted by the Faculty of Fisheries and Marine Affairs, Lambung Mangkurat University, South Kalimantan, Indonesia. 20 Sept 2021.

Invited Keynote Speaker, *In a Half Shell: A Brief History and Current Status of Aquaculture in Rhode Island*. Narragansett Bay SAMP Webinar Series, Sponsored by Rhode Island Sea Grant, The RI Coastal Resources Management Council, The URI Coastal Resources Center, and Rhode Island Cooperative Extension. 21 Sept 2021.

Co-organizer and Co-coordinator, *CPD Training on the Production Technologies and Industry Developments in Oyster and Mussel Program Design*. Professional Regulation Commission, Board of Professional Fisheries Technologists, and the Philippine Bureau of Fisheries and Aquatic Resources. 27-29 October 2021, at the National Integrated Fisheries Technology Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines

Co-organizer and Co-coordinator, *Stakeholders Workshop on Invasive Crayfish in Zambia*. 17 March 2022, at the University of Zambia Confucius Center Conference Hall, Lusaka, Zambia.

Invited Speaker., *Engineers for a Sustainable World 2022 Sustainability Summit*. 24 April 2022, at the University of Rhode Island, Kingston.

Co-organizer and Co-coordinator, *CPD Training on Milkfish Production and Fishpond Management*. Professional Regulation Commission, Board of Professional Fisheries Technologists, and the Philippine Bureau of Fisheries and Aquatic Resources. 25-29 April 2022, at the National Integrated Fisheries Technology Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines

Workshop Speaker, Rice, M.A. Documenting and reporting of extension activities in support of promotion tenure decisions at Land Grant – Sea Grant Universities. *Workshop on Professional Development and Promotion, 2022 National Aquaculture Extension Conference and Continuing Education Workshops*, June 13 to 17, 2022 Holiday Inn by the Bay, Hotel and Conference Center, Portland, Maine.

Workshop Speaker, Rice, M.A. Sustainable Aquacultural Intensification and the Dilemma of Invasive Species: The Case of the Introduced Australian Crayfish, *Cherax quadricarinatus*, in South-Central Africa. Third International Sustainable Agricultural Intensification and Nutrition Conference (SAIN3), June 27-28, 2022, Siem Reap, Cambodia.

Co-organizer and co-coordinator, *CPD Training on Shellfish Production and Water Quality Management*. Professional Regulation Commission, Board of Professional Fisheries Technologists, and the Philippine Bureau of Fisheries and Aquatic Resources. 13-16 June 2023, at the National Fisheries Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines

Extension Project Advisor, Applied Research Project on Pond Depuration to Assure for Sanitary Quality of Molluscan Shellfish in the Philippines. In Cooperation with the National Fisheries Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines (June 2023 to present)

Workshop speaker, "Oysters in Rhode Island and their Meritor." An online event hosted by the Oyster Master Guild (<https://www.oystermasterguild.com/about>) 9 May 2024.

Co-organizer and co-coordinator, *CPD Training on Integrated Multitrophic Aquaculture*. Professional Regulation Commission, Board of Professional Fisheries Technologists, and the Philippine Bureau of Fisheries and Aquatic Resources. 16-18 June 2025, at the National Fisheries Development Center, Bureau of Fisheries and Aquatic Resources, Bonuan Binloc, Dagupan City, Philippines

Keynote speaker and panelist, *Workshop on Promoting Decision Support System (DSS) Using Digital Data to Support Small Pelagic Fisheries Management in the APEC Region* September 23 to 25, 2025 at the Swissotel PIK Avenue, Jakarta, Indonesia. Hosted by Asia Pacific Economic Cooperation (APEC), Halouleo University, and the Indonesia Ministry of Fisheries and Marine Affairs

INTRAMURAL SERVICE ACTIVITIES

Host Family Sponsor, International High School Exchange Student Program, Ms. Kyoko Yoneda, Japan (1989); Mr. Hajime Fujisawa, Japan (1990).

Faculty Sponsor, NIH Minority Student Internship Program, Summer, 1989; Summer, 1990

Faculty Sponsor, UYA Internship Program, URI, (Summer, 1989, Ms. Katrina Smith; Fall, 1989, Ms. Erika Hieber; Summer, 1990, Mr. Petter Wallström, Mr. Fred McGinnis, Ms. Jill Dinsdale; Summer 1991, Ms. Holly Cella, Ms. Christine Stough)

Member, UYA Experiential Learning Committee, University of Rhode Island (1992)

Participant, University of Rhode Island Teaching Fellows Program (1991-1992)

Member, College of Resource Development Research Committee, University of Rhode Island (1991-1992)

Faculty Senator, University of Rhode Island (1992-1995; 2002-2007; 2011-2014; 2015-2018; 2020-2023; 2024-2027)

Member, Scholarships and Fellowships Committee, Graduate School, Univ. of Rhode Island (1995).

Member, Nominating Committee University of Rhode Island Faculty Senate (1995)

President, University Club, University of Rhode Island (1995-96)

Member, Search Committee for finfish aquaculture faculty member, FAVS Department, URI (1995-96).

Member of College of Resource Development (URI) *ad-hoc* Space Allocation Policy Advisory Committee (1996).

Member, Search Committee for shellfish pathology faculty member, FAVS Department, URI (1996).

Member, Steering Committee of the URI Partnership for the Coastal Environment (1996 to 2004).

Director of Graduate Studies, Department of Fisheries, Animal & Veterinary Science, Univ. of Rhode Island (1997 to 2000).

President, University of Rhode Island Chapter of Sigma Xi, The Scientific Research Society (1997-99).

Member, *ad-hoc* Cooperative Extension Committees to formulate a CES Mission Statement, Vision Statement and Logo (1998).

Alternate FAVS Departmental Representative, Marine and Environmental Focus Advisory Group (1998-1999).

Fellow, Multicultural Fellows Program, University of Rhode Island (2000-01).

Member, University of Rhode Island Honorary Degrees Committee (2000-02; 2005-2009; 2020-21).

Senior Fellow, University of Rhode Island Coastal Institute (2000-present).

Chairman, Department of Fisheries, Animal & Veterinary Science, University of Rhode Island (2000-2004; 2025-present)

Chairman, Search Committee for Manager of Peckham Farm Animal Facility (2001).

Member, University Honors Program and Visiting Scholars Committee (2002-2005)

Member, University of Rhode Island Faculty Senate Executive Committee (2003-2007; 2011-2014; 2017-2018)

Member, University of Rhode Island Joint Strategic Planning Committee (JSPC) (2003-2007).

Member, University of Rhode Island Master Plan Review Team (2005-2007)

Member, University of Rhode Island *ad hoc* JSPC subcommittee on Assessment of Departments and Programs (2004-2006). Result: major modifications of URI procedures for assessment of departments and programs via a web-enabled survey (the Academic Improvement and Assessment Model or AIIM).

Member, University of Rhode Island Mission Statement Review Committee (2005). Result: Complete rewrite of URI Mission Statement & production of an expanded web-based historical account of the University of Rhode Island.

Chairman/President, University of Rhode Island Faculty Senate (2005-2007; 2022-2023)

Member, University of Rhode Island Office of Capital Projects *ad hoc* Technical Review Committee for the University Real Estate Development Plan RFP #B060058 (2006)

Member, Mission and Purposes Committee in preparation for the NEASC Accreditation of the University of Rhode Island (2006-07)

Member, Planning and Evaluation Committee in preparation for the NEASC Accreditation of the University of Rhode Island (2006-07)

Co-chair, Organization and Governance Committee in preparation for the NEASC Accreditation of the University of Rhode Island (2006-07; 2011-2012; 2016-2017; 2021-2022)

Member, University of Rhode Island Honors Program Fulbright Committee (2006-07)

Member, University of Rhode Island Branding Steering Committee (2006-07)

Member, University of Rhode Island Real Estate Advisory Committee (2007-2008)

Chairman, University of Rhode Island Academic Program Review Committee (2007-2008)

Member, Subcommittee for negotiation of Department Chairs' Compensation-URI-AAUP (2007)

Member, Provost's Sabbatical Application Review Committee (2007).

Member, University of Rhode Island Architectural Heritage Subcommittee, Master Plan Review Team (2009-2013)

Co-Chair, Research, Scholarship and Innovation Task Force of the URI Academic Planning Task Force (2010)

Member, Joint Committee on Academic Planning (2011-2014; 2017-2018; 2021-22)

Chairman, *Ad Hoc* Committee to Develop a Space Allocation Policy in the College of the Environment and Life Sciences (2012)

Chairman, *Ad Hoc* Committee to Revise Bylaws of the College of the Environment and Life Sciences (2012)

Member, *Ad Hoc* Committee of the Provost to Evaluate Faculty Proposals for the "Cluster Hire" Initiative (2012)

Member, *Ad Hoc* Search Committee to hire a Coordinator of the Faculty Senate (2012-2013; 2021-2022)

Vice Chairman/Vice President of the University of Rhode Island Faculty Senate (2013-2014; 2021-2022)

Co-Chair, Joint Committee on Academic Planning (JCAP) (2013-2014; 2021-2022)

Secretary of the Faculty, College of the Environment and Life Sciences, University of Rhode Island (2013-present)

Member, Fulbright Advisory Team, Office of the Provost, University of Rhode Island (2014 to present)

Member, University of Rhode Island Lifetime Service Award Committee (2014-present)

Chairman, Faculty Senate Committee to Evaluate Dean John D. Kirby, College of the Environment and Life Sciences, University of Rhode Island (2015-2016).

Program Director, University of Rhode Island Peace Corps Preparatory Program (Peace Corps-Prep) (2016-present)

Member, Strategic Planning Committee for Rhode Island Cooperative Extension (2016-2017)

Member, Joint Committee on Academic Planning (2017-2018; 2021-2022)

Member, University of Rhode Island Faculty Senate Committee on Constitution, Bylaws and the University Manual (2014-2021)

Faculty Advisor, University of Rhode Island Chapter of the National Society of Collegiate Scholars (NSCS) (2018-2019)

Chairman, *Ad Hoc* Search Committee to hire a Faculty Senate Specialist (2018)

Chairman, URI Faculty Senate Committee to evaluate the President of the University (2020)

Member, *Ad Hoc* Committee on Foreign Travel during COVID-19 pandemic crisis (2020-2021)

Member, *Ad Hoc* Search Committee to hire a Marine Resource Staff Associate (CRC-GSO) (2022)

Member, Interview Committee for hire of Dean of the URI College of Business (2023)

EXTRAMURAL SERVICE ACTIVITIES

Reviewer: Several Professional Journals & Professional Publications

The Wasmann Journal of Biology (1987 to 1996)
Journal of Shellfish Research (1990 to present)
Journal of the Marine Biological Association of the United Kingdom (1995 to present)
Aquaculture (2000-present)
Journal of the World Aquaculture Society (2001 to present)
Journal of Applied Aquaculture (2003 to present)
CBM-Cahiers de Biologie Marine (2005 to present)
Aquatic Living Resources (2006 to present)
Journal of Aquatic Sciences (2006 to present)
Bulletin of Marine Science (2006 to present)
ICES Journal of Marine Science (2007 to present)
Journal of Food Service (2008)
Western Indian Ocean Journal of Marine Science (2008 to present)
Revista de Biología Marina y Oceanografía (Viña del Mar, Chile) (2008)
Aquatic Living Resources (IFREMER, France) (2009)
African Journal of History and Culture (2013)
Indonesian Aquaculture Journal (2013 to present)
Aquacultura Indonesiana (2017)
Philippine Journal of Science (2017)
Indonesian Journal of Fisheries Research (2018-present)
Jurnal Ilmiah Perikanan dan Kelautan (Indonesia) (2021- present)
Biotropia: The Southeast Asian Journal of Tropical Biology (2023-present)
Northeastern Regional Aquaculture Center, USDA (factsheets) (1989 to present)
Southern Regional Aquaculture Center, USDA (factsheets) (1999 to present)

Associate editorships:

Associate Editor, *Second International Clam Culture Symposium, World Aquaculture Society* (1993).
Associate Editor, *Journal of Shellfish Research* (1993 to 1998)
Associate Editor, *Journal of Aquatic Sciences (Cebu, Philippines)* (2006-2009)
Associate Editor, *Indonesian Aquaculture Journal* (Government of Indonesia, Ministry of Marine Affairs and Fisheries, Agency for Marine and Fisheries Research, Center for Fisheries Research) (2018 to present)
Associate Editor, *Jurnal Ilmiah Perikanan dan Kelautan (Indonesia)* (2020-2022).

Proposal Reviewer: Several Granting Agencies

EPA Narragansett Bay Project (1988 to 1992)
Rhode Island Sea Grant (1989 to present)
NMFS Saltonstall-Kennedy Grant Program (1991 to present)
NOAA's Estuarine Living Marine Resources Program (1993)
U.S. Dept. of Agriculture-CSREES competitive grants program (1993 to present)
Southern Regional Aquaculture Center (1993 to present)
National Science Foundation (1993-present)
NOAA's Oyster Disease Research Program (1993 to 1999).
Center for Tropical and Subtropical Aquaculture (1995 to 1996).
Woods Hole Sea Grant (1997 to present)
New York Sea Grant Program (1997, 2003).
New Hampshire Agricultural Experiment Station (1998)
Virginia Sea Grant College Program (1998)
New Jersey Agricultural Experiment Station (1999).
Florida Sea Grant (1999).
Maine Sea Grant (1999; 2019).
Maine Aquaculture Innovation Center (1999-present)
University of Wisconsin Innovation Center (2006)
AAAS Research Competitiveness Program (2006)

Southern Regional Aquaculture Center (2007)
 New Hampshire Sea Grant Program (2007 to present)
 University of Washington Sea Grant Program (2007)
 NOAA's Small Business Innovative Research (SBIR) Program (2008)
 Shota Rustaveli National Science Foundation, Republic of Georgia (2008, 2011, 2015)
 Western Indian Ocean Marine Science Association (2008, 2015, 2016)
 UC Davis Wildlife Health Center's SeaDoc Society (2008)
 Wisconsin Innovation Service Center, University of Wisconsin, Whitewater (2011)
 USDA-NIFA Small Business Innovative Research Program (2012 to present)
 Graduate Women in Science -- SDE/GWIS Fellowship Program (2014)
 Barnegat Bay Partnership (2015)
 Virginia Sea Grant (2017)

Grant and Fellowship Award Panels:

Maine/New Hampshire Sea Grant (1997; 1999).
 General Agriculture Training Program, Consortium for International Development, Arlington, VA (1990-1991)
 Department of Marine Resources Municipal Shellfish Aquaculture Grants Program, Commonwealth of Massachusetts (1998).
 Philippine Council for Aquatic and Marine Research and Development (PCAMRD) (1996)
 Fulbright Senior Scholars Southeast Asia Panel, Council on International Exchange Scholars, Washington, D.C. (2001, 2002, 2003 & 2004)
 New York Sea Grant Special Hard Clam Initiative (2004)
 Woods Hole Sea Grant Program (2005)
 Maine Sea Grant Program (2011; 2019; 2025)
 New York Sea Grant (2011)
 NOAA-Sea Grant National Aquaculture Research Program (2016)

Member, Shellfish Committee, Rhode Island Marine Fishery Council (1987-1996)
 Member, Rhode Island Aquaculture Policy Workgroup (1990)
 Member, Technical-Industry Advisory Council, Northeast Regional Aquaculture Center, USDA (1992-1993).
 Member, Town Conservation Commission, Town of South Kingstown, Rhode Island (1992-1996; 1997 to 2008); Vice-Chairman (1993-1996), Secretary (1997 to 1998), Chairman (1998-2008).
 Member, Legislative Commission on Aquaculture Development in the State of Rhode Island (1995-1996).
 Member, Technical Advisory Panel, Aquaculture and Marine Trades Program, Warwick Area Technical Training Center (1995-1996).
 Reviewer, educational and testing materials, Educational Testing Service, Princeton, NJ (1995 to 2000).
 President, Tavern Hall Club, Kingston, RI. (1999 and 2000).
 Panelist, Workshop on Research Priorities for Hard Clam Population Dynamics in the Great South Bay. New York Sea Grant (1999).
 Legislative Delegate (1999). Appointed by Speaker of the Rhode Island House of Representatives as Legislative Delegate Proxy to the Spring 1999 Meeting of the Atlantic States Marine Fisheries Commission, Atlantic Beach, North Carolina.
 Commission Member (1999). Appointed by the Speaker of the House of Representatives to the Legislative Commission to Develop and Coordinate a Collaborative Effort to Formulate a Restoration Plan for the *North Cape* Barge Oil Spill.
 Legislative Delegate (2000). Appointed by Speaker of the Rhode Island House of Representatives as Legislative Delegate Proxy to the June 2000 Meeting of the Atlantic States Marine Fisheries Commission, Portland, ME.
 Panelist & Reviewer (2000). Invited by the National Joint Subcommittee on Aquaculture to review documents associated with the U.S. Environmental Protection Agency initiative on rulemaking regarding aquaculture effluents Sept. 19-20, 2000.
 Legislative Delegate (2000). Appointed by Speaker of the Rhode Island House of Representatives as Legislative Delegate Proxy to the October 2000 Meeting of the Atlantic States Marine Fisheries Commission, Portland, ME.
 Legislative Delegate (2000). Appointed by Speaker of the Rhode Island House of Representatives as Legislative Delegate Proxy to the December 2000 Joint Meeting of the Atlantic States Marine Fisheries Commission, and the Mid-Atlantic Regional Marine Fisheries Council, Atlantic City, NJ.
 Student Awards Committee Member, National Shellfisheries Association (2003)
 Member, Board of Directors (2004), Peace Corps Foundation for Philippine Development, Washington, D.C.

Consulting Marine Scientist (2004-2005), Office of the Attorney General, State of Rhode Island concerning litigation for monetary damages for lost shellfish and groundwater resources at Allen's Harbor, Rhode Island, in the United States District Court for the District of Rhode Island: State of Rhode Island and Providence Plantations, Plaintiff, v. United States of America, et al., Defendant C.A. No. 03-599T. Result: mediated cash settlement \$1.4M paid to the State of Rhode Island.

Member, Board of Directors (2004-2008) Rhode Island Association of Conservation Commissions.

Member, Board of Directors (2007-present); Treasurer (2009-present) Edmund Rice (1638) Association, Inc. Sudbury, MA.

Town of South Kingstown Representative, Rhode Island Coastal Resources Management Council Subcommittee on Appeals (2007-2011)

Rhode Island State Representative (2009-2011). Elected as State Representative, Rhode Island House of Representatives, District 35 (South Kingstown) 4-Nov-2008; Sworn-in January 6, 2009; Ended service January 4, 2011.

Committee Memberships:

House Committee on Separation of Powers (2009-2010)

Special House Committee to Study the Rhode Island Department of Transportation (2009-2010)

House Committee on Environment and Natural Resources (2010)

House Committee on Government Oversight (2010)

House Committee on Constituent Services (2010)

Member, Rhode Island Democratic Party State Committee, representing Rhode Island's 2nd Congressional District at-large (2011-2017)

Chairman, University of Rhode Island Chapter of American Association of University Professors Political Action Committee (2011-present)

External Reviewer (2012-2024) Promotion and tenure reviews of faculty, Center of Excellence in Marine Biology, University of Karachi, Karachi, Pakistan.

Rhode Island Marine Fisheries Council (2013-2024). Appointed to partial term 2013 by Governor Lincoln Chafee with confirmation by the RI Senate as Member of the Council; Reappointed 2016 by Governor Gina Raimondo and reconfirmed by RI Senate; Reappointed 2019 by Governor Gina Raimondo and reconfirmed by RI Senate.

External Reviewer (2017) Promotion and tenure reviews of faculty, College of Agriculture and Biological Sciences, South Dakota State University, Brookings.

Member, Workgroup on Policy on Performance Outcome Funding by the Rhode Island Council on Postsecondary Education (Jan-April, 2018)

Member, Publications Committee United States Aquaculture Society (2018)

External Reviewer, International Panel for Accreditation of Agricultural Programs (including Fisheries and Aquaculture) at the University of the United Arab Emirates at Al-Ain, sponsored by the UAE Commission for Academic Accreditation (Jan 15-18, 2024)