

Dr. John Scarpa

Texas A&M University-Corpus Christi
Science & Engineering, Life Sciences

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Education

PhD, Texas A&M University - College Station, 1989.

MS, University of Delaware, 1985.

BS, Long Island University: Southampton College, 1982.

Associate of Science, Nassau Community College, 1980.

Licensures and Certifications

Best Practices for Online Course Design, TAMU-CC ODELT. (2015 - Present).

Professional Employment

Associate Professor, Texas A&M University at Corpus Christi. (September 2014 - Present).
Research and teaching in aquaculture, university service

Courtesy Affiliate Research Professor, Harbor Branch Oceanographic Institute at Florida Atlantic University. (August 2014 - Present).
Supervise graduate students in research and serve on graduate student committees.

Graduate Faculty Member, University of Central Florida. (July 2014 - Present).
Supervise graduate students in research and serve on graduate student committees.

Assistant Professor – Courtesy Appointment, University of Florida - SFRC/Fish. & Aquat. Sci. (January 2008 - Present).
Supervise graduate students in research and serve on graduate student committees

Research Professor, Harbor Branch Oceanographic Institute at Florida Atlantic University. (July 2009 - August 2014).
Research and teaching in aquaculture, university service (e.g., Vice-chair of FAU IACUC)

Adjunct Instructor, Indian River State College. (May 1994 - August 2014).
Taught aquaculture related classes, Life Sciences and Introduction to Oceanography

Associate Research Professor, Harbor Branch Oceanographic Institute at Florida Atlantic University. (December 2007 - June 2009).
Supervised graduate students in research, served on graduate student committees, taught aquaculture related classes, supervised interns, served in FAU IACUC

Associate Scientist, Harbor Branch Oceanographic Institution, Inc. (September 1999 - December 2007).
Research Manager for Bivalve and Crustacean Programs, Instructor for Leadership 2000 (minority high school program) at IRCC in 2001 & 2002; HBOI IACUC member, teach aquaculture related classes

Associate Graduate Faculty Member, Florida Institute of Technology. (May 1996 - April 2007).

Supervised graduate students in research, served on graduate student committees, and guest lectured for aquaculture related classes

Research Associate II, Harbor Branch Oceanographic Institution, Inc. (June 1996 - August 1999).
Research Coord. for Shellfish Dept., teach aquaculture related classes (IRCC and ACTED),
intern supervisor

Research Associate I, Harbor Branch Oceanographic Institution, Inc. (September 1995 - May 1996).
Lead investigator for bivalve genetic and shrimp culture research, Assist with Job Retraining program for displaced fisherman, intern supervisor

Postdoctoral Fellow, Harbor Branch Oceanographic Institution, Inc. (September 1993 - August 1995).
Lead investigator for bivalve genetic (polyploid) research, Collaborative investigator with private shrimp firm, interns supervisor for HBOI and NSF minority programs

Instructor, City University of New York - Lehman Hiroshima. (May 1993 - June 1993).
Full teaching responsibilities for Introduction to the Natural Sciences (COR 106) with all Japanese and Korean students (English as a second language)

NSF/STA Postdoctoral Fellow, National Research Institute of Aquaculture, Genetics Division. (October 1991 - April 1993).
- Investigated induction of gynogenesis and polyploidy in bivalves (first in world to document that tetraploid bivalves are viable)
- Investigated microtubule patterns of genome manipulated bivalves

Research Associate, The State University of New Jersey, Department of Oyster Culture. (September 1989 - August 1991).
- Investigated induction of parthenogenesis and hybridization in bivalves (conclusively showed that American and Pacific oysters cross-fertilize but do not give rise to viable offspring)
- Coordinated use and maintenance of wet lab

Administrative Appointments

College

Program Coordinator (2014 - Present)
Recruit, organize applications for acceptance vote, and advise graduate students for FAMA program. Annually assess program and implementation plan.

Professional Memberships

Texas Aquaculture Association
Gulf Estuarine Research Society
Florida Marine Science Educators Association
United State Aquaculture Society
American Microscopical Society
Society for Integrative and Comparative Biology
World Aquaculture Society
National Shellfisheries Association

TEACHING

Teaching Experience

FAMA 5102, GRADUATE DEFENSE SEMINAR
FAMA 5312, MARICULTURE TECHNIQUES
FAMA 5370, MARICULTURE
FAMA 5392, THESIS PROPOSAL
FAMA 5393, THESIS RESEARCH
FAMA 5394, THESIS SUBMISSION
FAMA 5940, PROJECT RESEARCH
MARB 6102, GRADUATE RESEARCH SEMINAR

Non-Credit Instruction

Fish Health Management in Aquaculture and Public Aquariums. (April 2015).
Oyster Parasites and Dermo/Bacteria Lab. (April 2015).
Genetically Engineered Food Organisms. (April 2015).
Bivalve Aquaculture. (November 2014).

Teaching Awards and Honors

Outstanding Adjunct Faculty Member 2007, Indian River State College. (2007).

SCHOLARLY AND CREATIVE ACTIVITIES

Publications

Refereed

Journal Articles

Hargove, J. S., Sturmer, L. N., Scarpa, J., Austin, J. D. (2015). Assessment of genetic diversity in wild and aquaculture stocks of the hard clam *Mercenaria mercenaria* in Florida. *Journal of Shellfish Research*, 34, 355-365.

Burford, M. O., Scarpa, J., Cook, B. J., Hare, M. P. (2014). Local adaptation of a marine invertebrate with a high dispersal potential: evidence from a reciprocal transplant experiment of the eastern oyster *Crassostrea virginica*. *Marine Ecology Progress Series*, 505, 161-175.

Presentations

Scarpa, J. (Author & Presenter), Fox, J. M. (Author), Balboa, W. (Author), "Potential for Oyster Culture in Texas," Aquaculture 2016, World Aquaculture Society, National Shellfisheries Association, American Fisheries Society - Fish Culture Section, Las Vegas, NV. (February 26, 2016).

Laramore, S. (Author & Presenter), Scarpa, J. (Author), "Towards Establishing Environmental Mineral Guidelines for Low Salinity Shrimp Culture in Florida," Aquaculture 2016, World Aquaculture Society, National Shellfisheries Association, American Fisheries Society - Fish Culture Section, Las Vegas, NV. (February 25, 2016).

Scarpa, J. (Author & Presenter), Wills, P. S. (Author), Russell, M. E. (Author), Robinson, C. (Author), Baptiste, R. (Author), "Further Optimization of Isochrysis sp. (Clone C-ISO) Culture for a

Land-Based Integrated Multi-Trophic Aquaculture System," Aquaculture 2016, World Aquaculture Society, National Shellfisheries Association, American Fisheries Society - Fish Culture Section, Las Vegas, NV. (February 24, 2016).

Scarpa, J. (Author), Baker, S. (Author & Presenter), Sturmer, L. (Author), "Preparing for climate change: Increasing hard clam production and survival in the Southeastern United States using biomarkers of thermal tolerance," 2016 North Florida Marine Science Symposium, University of Florida, Cedar Key, FL. (January 28, 2016).

Conkle, J. L. (Author), Scarpa, J. (Author & Presenter), Brooks, B. W. (Author), Balboa, W. (Author), "Potential Water Quality Challenges for Aquaculture," Texas Aquaculture Association 46th Annual Conference & Trade Show, Texas Aquaculture Association, Fredericksburg, TX. (January 21, 2016).

Scarpa, J. (Author & Presenter), "Development of Shellfish Culture in Texas," Harte Research Institute Seminar Series, Harte Research Institute, Corpus Christi. (September 11, 2015).

Scarpa, J., "So You Wanna Grow Fish? Show Me!," Islander Fourm - Faculty Course Redesign Poster Presentation, TAMU-CC CFE, Corpus Christi, TX. (August 19, 2015).

Scarpa, J. (Author & Presenter), "Bacterial Challenge of Hard Clams *Mercenaria mercenaria* with Putatively Different Cognate Heat Shock Protein Levels," National Shellfisheries Association 107th Annual Meeting, National Shellfisheries Association, Monterey, California. (March 22, 2015).

Scarpa, J. (Author & Presenter), Wills, P. S. (Author), Robinson, C. (Author), Russell, M. E. (Author), "Optimizing Microalgae Culture for a Land-Based Recirculating Integrated Multi-Trophic Aquaculture System," National Shellfisheries Association 107th Annual Meeting, National Shellfisheries Association, Monterey, California. (March 22, 2015).

Scarpa, J. (Author & Presenter), Wills, P. S. (Author), Robinson, C. (Author), Russell, M. E. (Author), "Optimizing *Isochrysis* sp. (Clone C-ISO) Culture for a Land-Based Integrated Multi-Trophic Aquaculture System," Aquaculture America 2015, U.S. Aquaculture Society, New Orleans, Louisiana. (February 19, 2015).

Scarpa, J., "Bivalve Aquaculture in Florida and Its Potential in Texas," Texas Aquaculture Association 45th Annual Conference, Fredericksburg, TX. (January 22, 2015).

Scarpa, J., "An Aquaculturist's Journey from Long Island to TAMU-CC," MARB Retreat, TAMU MARB program. (January 7, 2015).

Scarpa, J. (Author & Presenter), "Comparison of Eastern Oyster, *Crassostrea virginica*, Populations on Created Versus Natural Reefs in Urbanized Waters of Florida," International Conference on Shellfish Restoration 2014, SC Sea Grant, Charleston, SC. (December 12, 2014).

Scarpa, J. (Author & Presenter), Laramore, S. E. (Author), "Comparison of Eastern Oyster, *Crassostrea virginica*, Populations on Created Versus Natural Reefs in Lake Worth Lagoon, Florida," MARB/MARS/OCNG 681 Graduate Seminar, Texas A&M University - Galveston, Galveston, TX. (September 11, 2014).

Contracts, Grants and Sponsored Research

Grant

Conkle, Jeremy L. (Principal), Scarpa, John (Co-Principal), Brooks, Bryan (Co-Principal), "Future Water Quality Challenges to Aquaculture and Influences on Product Safety," Sponsored by USDA NIFA, Federal, \$450,000.00. (March 15, 2016 - March 2018).

Sponsored Research

Scarpa, John (Co-Principal), Conkle, Jeremy L. (Principal), Brooks, Bryan W. (Co-Principal), Balboa, William (Co-Principal), "Future Water Quality Challenges to Aquaculture and Influence on Product Safety," Sponsored by USDA-NIFA Water Challenge, Federal, \$450,000.00. (March 1, 2016 - November 30, 2018).

Scarpa, John (Principal), "Revitalizing the Hard Clam Aquaculture Industry in the Southeastern U.S. Through Transferring Technology on Sunray Venus Clam, *Macrocallista nimbosa*, Production.," Sponsored by NOAA Sea Grant, Federal, \$15,211.00. (September 1, 2014 - August 31, 2015).

SERVICE

Department

Committee Member, LSCI Department Chair Search Committee. (September 2015 - March 2016).
Committee Member, Faculty Search Committee - Early Life History Fisheries Ecologist. (September 2014 - March 2015).

College

Committee Member, MARB & CMSS Doctoral Research Assistantship Committee. (October 2015).

University

Committee Member, Academic Working Group. (December 2015 - Present).
Student Recruiter, Island Days. (April 2016).
Panel Member, Marine Science Graduate Student Organization workshop - How To Contact Potential Advisors. (February 2016).
Attendee, Graduation. (December 2015).
Student Recruiter, Grad Fair Day. (November 2015).
Judge of Student Posters, Pathways Symposium - 12th annual. (October 2015).
Student Recruiter, Island Days. (October 2015).
Guest Speaker, New Faculty Enhancement Seminar Series. (September 2015).
Attendee, Graduation. (August 2015).
Attendee, Graduation. (May 2015).
Student Recruiter, Island Days. (April 2015).
Student Recruiter, Grad Fair Day. (April 2015).
Student Recruiter, Graduate Fair Day. (November 2014).
Student Recruiter, Island Days. (October 2014).

Professional

Editorial Review Board Member, Journal of Shellfish Research. (September 2015 - December 2017).
Officer, Treasurer, National Shellfisheries Association. (March 2014 - September 2017).
Conference-Related, International Conference on Shellfish Restoration (2016). (January 2016 - November 2016).

Reviewer, Conference Paper, National Shellfisheries Association. (February 2016).
Reviewer, Conference Paper, United States Aquaculture Society. (February 2016).
Reviewer, Journal Article, Journal of Shellfish Research. (December 2015).
Reviewer, Journal Article, Personal Review. (November 2015 - December 2015).
Reviewer, Ad Hoc Reviewer, TAMUCC 5th Annual Student Research Forum. (December 2015).
Reviewer, Ad Hoc Reviewer, United States Aquaculture Society. (October 2015).
Reviewer, Ad Hoc Reviewer, University of Florida - Extension Publications. (October 2015).
Reviewer, Grant Proposal, NC Sea Grant Program. (August 2015).
Reviewer, Journal Article, Journal - Marine Ecology Progress Series. (June 2015).
Reviewer, Conference Paper, National Shellfisheries Association. (March 2015).
Reviewer, Grant Proposal, USDA SBIR - Aquaculture Section. (February 2015).
Reviewer, Ad Hoc Reviewer, National Shellfisheries Association, Inc. (December 2014).
Reviewer, Ad Hoc Reviewer, United States Aquaculture Society. (October 2014).
Reviewer, Grant Proposal, Center for Tropical and Subtropical Aquaculture. (September 2014).

Service Awards and Honors

United States Aquaculture Society: Distinguished Service Award, United States Aquaculture Society. (2011).