

Megan Davis, Ph.D.

Research Professor, Aquaculture and Stock Enhancement
Florida Atlantic University, Harbor Branch Oceanographic Institute,
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Education:

University	Major	Dates	Degree
Florida Institute of Tech, Melbourne	Biological Science	1993-1998	Ph.D.
Florida Institute of Tech, Melbourne	Marine Ecology	1990-1992	M.S.
Florida Institute of Technology, Jensen Bch	Aquaculture/Envir. Sci.	1977-1981	B.S.

Professional Experience:

Dates	Organization	Position
2002 – present	FAU Harbor Branch Oceanographic Inst.	Research Prof., Aqua & Stock Enh.
2017-2018	FAU Harbor Branch Oceanographic Inst.	Assoc. Exec. Dir, Academic Affairs & Economic Development
2013-2016	FAU Harbor Branch Oceanographic Inst.	Interim Executive Director
2009-2013	FAU Harbor Branch Oceanographic Inst.	Assoc. Exec. Dir. for Research
2007-2009	FAU Harbor Branch Oceanographic Inst.	Ctr. Dir. of Coastal Ecosystem Health
2007-2012	FAU Harbor Branch Oceanographic Inst.	Aqua & Stock Enh., Program Director
2006-2007	Oceans, Reefs & Aquarium, Harbor Branch	Interim President & CEO
2002–2007	Harbor Branch Oceanographic Instit., Inc.	Aquaculture Division Director
1996-2002	Harbor Branch Oceanographic Instit., Inc.	Aquaculture Education Director
1992-1996	Caribbean Marine Research Center	Research Scientist
1990-1992	Florida Institute of Technology	Teaching Assistant
1983-1989	Caicos Conch Farm, Turks and Caicos Is.	Sr. Biologist & Co-Founder
1981-1983	Fnd for PRIDE, Turks and Caicos Is.	Principal Investigator

Research Awards (Queen Conch):

- A Production-Scale Queen Conch Hatchery at the Naguabo Fishing Association for Region Wide Growout of Sustainable Seafood in Puerto Rico S-K NOAA, \$ 299,140, 2022 – 2024, M. Davis and R. Espinoza
- A Fishers-Operated Queen Conch (*Strombus gigas*) Hatchery for Growout of Sustainable Seafood for Local Markets in Puerto Rico S-K NOAA, \$ 299,283, 2021 – 2023, M. Davis and R. Espinoza
- Development of a Fishers Operated Pilot-Scale Queen Conch (*Lobatus gigas*) Hatchery and Nursery Facility for Sustainable Seafood Supply and Restoration of Wild Populations in Puerto Rico, S-K NOAA, \$299,949, 2019 – 2021, M. Davis and R. Espinoza
- Saltwater Aquaponics in Puerto Rico: Queen Conch and Sea Vegetable Aquaculture. USDA Agricultural Research Service, \$495,000 awarded and \$99,000 match, 2021-2024, Davis, M. and R. Espinoza
- Sustainable Aquaculture of Sea Vegetables in Puerto Rico for Local Cuisines and Coastal Restoration. Puerto Rico Sea Grant \$119,635 awarded and \$59,818 match, 2022-2024, Davis, M. and R. Espinoza
- Queen Conch Conservation and Restoration in Moriah Harbour Cay National Park: A community-based project testing a novel mobile hatchery concept, Richard Schneider Trust, \$50,000, 2021-2022, M. Davis and C. Booker
- Queen Conch Conservation and Restoration in Moriah Harbour Cay National Park: A community-based project testing a novel mobile hatchery concept, Bahamas National Trust \$128,000, 2022-2023, C. Booker and Megan Davis

- Community Based Conch Management in the Family Islands, Bahamas National Trust, \$17,818, 2021 – 2022, M. Davis (consultant for project)
- Conch Restoration Hatchery in the Bahamas, Hummingbird Cay Foundation, supplies and support valued at \$50,000, 2017-2018, M. Davis
- The World's First Queen Conch Cultured Pearl Production and Marketing Business. 2010 – 2012. State University Research Commercialization Assistance Grant Program; \$130K total includes \$65K Rose Pearl, LLC match, M. Davis

Teaching and Mentorship:

- HBOI and Indian River State College aquaculture degree - Introduction to Aquaculture
- Masters (4 as advisor; 2 as committee member), Doctoral (2 as advisor; 2 as committee member) and Postdoctoral (3 as mentor); Mentor for 8 Internships

Selected Professional Service:

- NOAA Fisheries Service, Marine Fisheries Advisory Committee Member; Chair 2021 – present; Commerce Subcommittee; Chair of Seafood Promotion Task Group; Member 2018 – present
- NOAA Marine Fisheries Advisory Committee Aquaculture Task Force 2016 – present
- Gulf and Caribbean Fisheries Institute, Board Member 1986 -1998; 2022 - present
- Consortium of Ocean Leadership Board of Trustee 2014 - 2018
- Florida Aquaculture Association, Board Member 2002 - 2009
- Fishers Aquaculture Retraining Programs, FL Dept. of Labor, Educator 1996 - 1999
- Caribbean Aquaculture Association, President, VP, Treasurer, Office Adm. 1989 – 2002

Selected Publications (of 63 peer-reviewed):

- Davis, M., Cassar, V., Espinoza, R. y Lovatelli, A. 2021. Acuicultura del caracol rosado - Fases de crianza y vivero. Manual práctico. FAO Documento Técnico de Pesca y Acuicultura N.o 676. Roma, FAO.
- Davis, M. 2021. Conch Aquaculture: Queen Conch, *Strombus gigas*, and Fighting Conch, *Strombus alatus* and *Strombus pugilis*, Chapter 7 in Shumway, S.E. (ed) Molluscan Shellfish Aquaculture Book, 5M Publishers UK 538 p.
- Davis, M. and V. Cassar. 2020. Queen Conch Aquaculture: Hatchery and Nursery Phases User Manual. Journal of Shellfish Research, Vol. 39, No. 3.
- Garr, A.L., H. Acosta-Salmón, M. Riche, M. Davis, T. R. Capo, D. Haley, P. Tracy. 2011. Growth and survival of juvenile queen conch *Strombus gigas* fed artificial diets containing varying levels of digestible protein and energy. North American Journal of Aquaculture 73: 34-41.
- Acosta-Salmón, H. and M. Davis. 2007. Inducing relaxation in the queen conch *Strombus gigas* (L.) for cultured pearl production. Aquaculture 262:73-77.
- Davis, M. 2005. Species Profile: Queen Conch, *Strombus gigas*. Southern Regional Aquaculture Center Publication 7203, 12p.
- Davis, M. 2000. The combined effects of temperature and salinity on growth, development, and survival for tropical gastropod veligers of *Strombus gigas*. Journal of Shellfish Research. 19: 883-889.
- Davis, M. 2000. Queen conch (*Strombus gigas*) culture techniques for research, stock enhancement and growout markets. In: Fingerman, M. and Nagabhushanam, R. (eds.) Recent Advances in Marine Biotechnology, Vol 4, Aquaculture, Science Publishers, Inc. New Hampshire USA, pp. 127-159.
- Stoner, A.W. and M. Davis. 1994. Experimental outplanting of juvenile queen conch, *Strombus gigas*: comparison of wild and hatchery-reared stocks. Fisheries Bulletin, U.S 92:390-411.

Patent:

- Acosta-Salmón, H. and M. Davis. 2014. Methods for Producing Cultured Pearls in Conch and Other Gastropods, US Patent 8,707,902