

UNIVERSITY OF MIAMI

Curriculum Vitae

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HIGHER EDUCATION

11. Institutional: Universidad de La Laguna, Spain; B.Sc. Zoology, 1982
University of Miami, Ph.D. Fish Population dynamics. 1989

EXPERIENCE

14. Academic: MBF-University of Miami, Research Associate Professor, 2001-present
ITME-University of Miami, Associate Professor, 2009-present
Florida A&M University, Adjunct Associate Professor, 2001- 2006
Savannah State University, Adjunct Associate Professor, 2003 – 2007
15. Non-Academic: Marine Research, CSIRO, Principal Research Scientist, 1994-1999
Fishery Resources and Environment, FAO, Fishery Resources Officer, 1992-1993,
Fisheries Division, Queensland DPI, Fisheries Biologist, 1989-1994
16. Military: Spanish Army, Second Lieutenant; 1981-83

PUBLICATIONS

17. Books and monographs published:

Loneragan, N., D. J. **Die**, R. Kenyon, B. Taylor, D. Vance, F. Manson, R. Pendrey, and W. Venables. 2002. The growth, mortality, movements and nursery habitats of red-legged banana prawn (*Penaeus indicus*) in the Joseph Bonaparte Gulf. 140 pp. Fisheries Research and Development Corporation, Deakin, A.C.T.
Die, D. J., N. Loneragan, M. Haywood, D. Vance, F. Manson, B. Taylor, and J. Bishop. 2001. Indices of recruitment and effective spawning for tiger prawn stocks in the Northern Prawn Fishery. 83 pp. Fisheries Research and Development Corporation, Deakin, A.C.T. (Australia).
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Loneragan, N., D. J. **Die**, G. M. Kailis, R. Watson, and N. Preston. 1999. Developing and assessing techniques for enhancing tropical Australian prawn fisheries and the feasibility of enhancing the brown tiger prawn (*Penaeus esculentus*) fishery in Exmouth Gulf. 53 pp. Fisheries Research and Development Corporation, Deakin, A.C.T. (Australia).

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- Coppola, S. R., L. Garibaldi, and D. J. **Die**. 1994. POPDYN: population dynamics database. FAO Computerised Information Series, Fisheries, 7. 30pp. FAO, Rome, Italy.
- Courtney, A. T., J. M. Masel, and D. J. **Die**. 1991. An evaluation of the recently imposed seasonal closures in the Moreton Bay prawn fishery. Queensland Department Primary Industries, Brisbane, Queensland.
- Die**, D. J. 1989. Analysis of a size-age stratified population under a multigear fishery operation: The European hake fishery of Northwest Africa. 240pp. University of Miami.

18. Juried or refereed journal articles and exhibitions:

- Forrestal FC, McDonald MD, Burress G and **Die** D.J. 2017. Reflex impairment and physiology as predictors of delayed mortality in recreationally caught yellowtail snapper (*Ocyurus chrysurus*). *Conservation Physiology* 5: 1-12.
- Pons, M., Arocha F., Domingo A., **Die** D.J., Brazeiro A. and Hazin F.H. 2016 . Potential use of anal fin spines for assessing age and growth of longbill spearfish, *Tetrapturus pfluegeri*, in the western Atlantic Ocean. *Bulletin of Marine Science* 92: 385-398.
- Saul S. and **Die** D.J. 2016. Modeling the Decision-Making Behavior of Fishers in the Reef Fish Fishery on the West Coast of Florida. *Human Dimensions in Wildlife* 21: 567-586.
- Council, E. and **Die** D.J. 2015. The Relative Importance of Subpopulation Connectivity and the Age Distribution of Mortality in Exploited Marine Fish Populations. *Ecological modelling* 312: 247-255.
- Phillips, K., Mansfield K., **Die** D.J. and Addison D. 2014. Survival and remigration probabilities for loggerhead turtles (*Caretta caretta*) nesting in the eastern Gulf of Mexico. *Marine Biology* 161: 245-252.
- Braccini, JM, Troynikov VS, Courtney AJ, **Die** DJ, Prosser A and Montgomery SS. 2013. Stochastic growth of the eastern king prawn (*melicertus plebejus* (Hess, 1865)) harvested off eastern Australia. *Crustaceana* 86: 651-660.
- Saul, SE Walter III J, **Die** DJ ,Naar DF and Donahue BT. 2013. Modeling the Spatial Distribution of Commercially Important Reef Fish on the West Florida Shelf. *Fisheries Research* 143: 12-20.
- Saul S.E., **Die** DJ., Brooks EN. and Burns K. 2012. An individual-based homing model of ontogenetic migration in reef fish using a biased random walk. *Trans. Am. Fish. Soc.* 141: 1439-1452
- Forrestal F, Coll M, **Die** DJ, and Christensen V. 2012. Ecosystem effects of Bluefin Tuna (*Thunnus thynnus thynnus*) aquaculture in the North-Western Mediterranean Sea. *Marine Ecology Progress Series* 456: 215–231.
- Collette, BB, KE Carpenter, BA Polidoro, MJ Juan-Jordá, A Boustany, DJ **Die**, (and 15 others). 2011. High Value and Long Life—Double Jeopardy for Tunas and Billfishes. *Science* 333: 292-293.
- Kleisner KM., JF. Walter, III, SL. Diamond and DJ. **Die**. 2010. Modeling the spatial autocorrelation of pelagic fish abundance. *Marine Ecology Progress Series* 411: 203-213.
- Brinson, A. **Die** D.J., Bannerman P. and Diatta, Y. 2009. Socioeconomic performance of West African fleets that target Atlantic billfish. *Fisheries Research* 99: 55-62.
- Montgomery, S.S., A. Courtney, C. Blount, D.J. **Die**, M. Cosgrove and J. Stewart. 2007. Patterns in the distribution and abundance of female eastern king prawns, *Melicertus plebejus* (Hess, 1865), capable of spawning and egg production in waters off eastern Australia . *Fisheries Research* 88: 80-87
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- Brown, S. K., M. Shivilani, D. J. **Die**, D. B. Sampson, and T. A. Ting. 2006. The Center for Independent Experts: The National External Peer Review Program of NOAA's National Marine Fisheries Service. *Fisheries* 31:590-600.
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- Ye, Y., N. Loneragan, D. J. **Die**, R. Watson, and B. Harch. 2005. Bioeconomic modelling and risk assessment of tiger prawn (*Penaeus esculentus*) stock enhancement in Exmouth Gulf, Australia. *Fisheries Research* 73:231-249.
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- Courtney, A. J., J. M. Masel, and D. J. **Die**. 1995 -a. Temporal and spatial patterns in recruitment dynamics of three penaeid prawns in Moreton Bay, Queensland, Australia. *Estuarine and Coastal Shelf Science* 41:377-392. _
- Courtney, A. J., S. S. Montgomery, D. J. **Die**, N. L. Andrew, M. Cosgrove, and C. Blount. 1995 -b. Maturation in the female eastern king prawn, from coastal waters of eastern Australia and considerations for quantifying egg production in penaeid prawn populations. *Marine Biology* 122:547-556.
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- Die**, D. J., and R. A. Watson. 1992. A per-recruit simulation model for evaluating spatial closures in an Australian penaeid fishery. *Aquatic Living Resources* 5:145-153. _
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- Die**, D. J., and R. A. Watson. 1991. Dissipation of spatial closure benefits as a result of non compliance. *Mathematics and computers in simulation* 33:451-456.
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- Ehrhardt, N. M., and D. J. **Die**. 1988 -b. Size structured yield per recruit simulation for the Florida gill net fishery for Spanish Mackerel. *Trans. Am. Fish. Soc.* 117:581-590. _

19. Other works accepted for publication:

20. Other works, publications and abstracts:

Non-refereed articles published in journals or conference proceedings

- Di Natale A., Tensek S., **Die D.**, Porch C., Bonhommeau S., Takeuchi Y., Melvin G., Mielgo Bregazzi R., de Bruyn P., and Palma C. 2017. Bluefin tuna weight frequencies from selected market and auction data recovered by GBYP. . *ICCAT Col. Vol. Sci. Pap.* 73: 2129-2149.
- Die D.J.** 2016. Challenges faced by management of the Atlantic tuna stock related to the development of Mediterranean bluefin tuna farming. In: *Advances in tuna aquaculture - from hatchery to market*. Academic press. pp 43-58
- Sculley M. and **Die D.J.** 2016. Inferring seasonal movements of tropical tunas between regions in the eastern Atlantic Ocean from catch per unit effort. *ICCAT Col. Vol. Sci. Pap.* 72: 747-785
- D.Pons M., Arocha F., Domingo A., **Die D.J.**, Brazeiro A. and Hazin F. 2015. Estimation of age and growth of the longbill spearfish, (*Tetrapturus pfluegeri*) in the Western Atlantic Ocean. *ICCAT Col. Vol. Sci. Pap.* 71: 2262-2276
- Sculley M. and **Die D.J.** 2015. Inferring seasonal movements of tropical tunas between regions in the eastern Atlantic Ocean from catch per unit effort. *ICCAT Col. Vol. Sci. Pap.* 71: 342-358
- Die D.J.** and Shivlani M. 2014. Some key issues in peer reviews of stock assessments: lessons from the US Center of Independent Experts. *ICCAT Col. Vol. Sci. Pap.* 70: 2812-2819
- Die D.J.**, Sculley M. and Lauretta M. 2014. Simulating tagging of tropical tuna in the equatorial Atlantic ocean. *ICCAT Col. Vol. Sci. Pap.* 70: 2710-2724
- Singh-Renton, S., **Die D.J.** and Mohammed E. 2010. An ecosystem approach to fisheries for management of large pelagic fish resources in the Caribbean large marine ecosystem. In: *Towards Marine Ecosystem-Based Management in the Wider Caribbean*. Fanning L., Mahon R. and McConney P. editors. Amsterdam University Press. pp. 197-212
- Valle-Esquivel M., Shivlani M., Matos-Caraballo D. and **Die D.J.** 2010. Coastal fisheries of Puerto Rico. In S. Salas, R. Chuenpagdee, A. Charles & J.C. Seijo (eds). *Coastal fisheries of Latin America and the Caribbean*. FAO Technical Paper. No. 544. Rome, FAO. pp. 284–311
- Die D.J.** 2010. Ratios of sailfish and spearfish in longline observer data. *ICCAT Col. Vol. Sci. Pap.* 65: 1757-1761.
- Martin, L. and **Die D.J.** 2010. Preliminary review of historical billfish catch data reported by Trinidad and Tobago. *ICCAT Col. Vol. Sci. Pap.* 65: 1836-1842
- Diatta, Y., **Die D.J.** and Fitchett M. 2010. Relative abundance indices for sailfish from the artisanal fleet from Senegal. *ICCAT Col. Vol. Sci. Pap.* 65: 1725-1739.
- Die D.J.** 2009. Design and Implementation of Management Plans. Pages 205-220 in *A fishery manager's handbook*. Ed. K. Cochrane and S. Garcia. Wiley-Blackwell
- Saul, S., Turner, S.C. **Die D.J.**, Livergood, A. 2009. Comparison of growth between cohorts of juvenile bluefin tuna (*Thunnus thynnus*) *ICCAT Coll. Vol. Sci. Pap.* 64: 647-656.
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- Drew, K., D. and **Die D.J.** 2008 An Atlantic-wide study of age and growth of Atlantic marlins. In: *Proceedings from the Atlantic Billfish Research Program Symposium - Gulf States Marine Fisheries Commission's Spring Meeting, Galveston, Texas, March 11, 2008*. Gulf States Marine Fisheries Commission. Ocean Springs, MS. Edited by Donalson D. pages
- Brito, A., **Die D.J.** and Gragg R. 2007. New methodology for prediction of biomass and monthly catches of shrimp, through biomass dynamic and recruitment modeling: implications for stock management. *Revista de Investigação Pesqueira Maputo* 26:1-26.
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- Alió, J. J., D. J. **Die**, L. Ferreira, K. Goriesingh, S. Kuruvilla, M. Maharaj, L. A. Marcano, I. Ramnarine, and A. Richardson-Drakes. 1999. *Penaeus subtilis* stock within the Orinoco and Gulf of Paria region. Pages 153-167 in National reports presented and stock assessment reports prepared at the CFRAMP/FAO/DANIDA Stock Assessment Workshop on the Shrimp and Groundfish Fisheries on the Guiana-Brazil Shelf. *FAO Fisheries Report*, 600. FAO, Rome Italy.
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*Published corporate technical reports where I was main editor * or section writer*

- ICCAT. *In press*. Report of the 2017 data preparatory meeting for swordfish stock assessment. ICCAT Col. Vol. Sci. Pap. 74:
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- ICCAT. *In press*. Report of the 2017 data preparatory meeting for bluefin tuna stock assessment. ICCAT Col. Vol. Sci. Pap. 74:
- ICCAT. *In press*. Report of the 2017 meeting of the ICCAT working group on stock assessment methods. ICCAT Col. Vol. Sci. Pap. 74:
- ICCAT. *In press*. Report of 2017 small tunas species group intersessional meeting. ICCAT Col. Vol. Sci. Pap. 74:
- ICCAT*. 2017. Meeting of the standing committee on research and statistics. In: Report for biennial period, 2015-16 Part I. (2016) - Vol. 2. International Commission for the Conservation of Atlantic Tunas 434 p.
- ICCAT. 2017. Report of the 2016 meeting of the ICCAT working group on stock assessment methods. ICCAT Col. Vol. Sci. Pap. 73:
- ICCAT 2017. Report of the 2016 ICCAT yellowfin tuna data preparatory meeting. ICCAT Col. Vol. Sci. Pap. 73: 1-75.
- ICCAT*. 2017. Report of second meeting of the ad hoc working group on FADs. ICCAT Col. Vol. Sci. Pap. 73: 883-946.
- ICCAT. 2017. Report of 2016 small tunas species group intersessional meeting. ICCAT Col. Vol. Sci. Pap. 73:
- ICCAT. 2017. Report of 2016 intersessional meeting the shark species group. ICCAT Col. Vol. Sci. Pap. 73:
- ICCAT. 2017. Report of the 2016 ICCAT north and south atlantic albacore stock assessment meeting. ICCAT Col. Vol. Sci. Pap. 73: 1147-1295.
- ICCAT. 2017. Report of the 2016 ICCAT yellowfin tuna stock assessment meeting. ICCAT Col. Vol. Sci. Pap. 73:76-227.
- ICCAT. 2017. Report of the 2016 mediterranean swordfish stock assessment meeting. ICCAT Col. Vol. Sci. Pap. 73: 1005-1096
- ICCAT*. 2016. Meeting of the standing committee on research and statistics. In: Report for biennial period, 2014-15 Part I. (2015) - Vol. 2. International Commission for the Conservation of Atlantic Tunas. 354 p.
- ICCAT. 2016. Meeting of the subcommittee on ecosystems. ICCAT Col. Vol. Sci. Pap. 72: 1877-1948
- ICCAT*. 2016. First meeting of the ad hoc working group on FADs. ICCAT Col. Vol. Sci. Pap. 72: 600-661
- ICCAT. 2016. Report of the 2015 ICCAT bigeye tuna data preparatory meeting. ICCAT Col. Vol. Sci. Pap. 72: 1-85.
- ICCAT. 2016. 2015 Blue shark data preparatory meeting. ICCAT Col. Vol. Sci. Pap. 72: 793-865
- ICCAT. 2015. 2014 Inter-sessional meeting of the billfish species group. ICCAT Col. Vol. Sci. Pap. 71: 2139-2202
- ICCAT. 2015. Report of the 2014 ICCAT east and west atlantic skipjack stock assessment meeting. ICCAT Col. Vol. Sci. Pap. 71: 1-172.
- ICCAT. 2015. Report of the 2014 ICCAT Mediterranean swordfish stock assessment meeting. ICCAT Col. Vol. Sci. Pap. 71: 1970-1979
- ICCAT. 2014. Report of the 2013 meeting of the ICCAT working group on stock assessment methods (WGSAM). ICCAT Col. Vol. Sci. Pap. 70: 2017-2057
- ICCAT. 2014. Report of the intersessional meeting of the tropical tuna working group. *ICCAT Col. Vol. Sci. Pap.* 70: 2499-2545
- ICCAT. 2013. 2012 Inter-sessional meeting of the sub-committee on ecosystems. ICCAT Col. Vol. Sci. Pap. 69: 1723-1780
- ICCAT. 2013. Report of the 2012 White marlin stock assessment. ICCAT Col. Vol. Sci. Pap. 69:1085-1183
- ICCAT. 2012. Report of the 2011 Blue marlin stock assessment and White marlin preparatory meeting. ICCAT Col. Vol. Sci. Pap. 68: 1273-1386.
- ICCAT*. 2011. Report of the 2010 ICCAT Bigeye Tuna Stock Assessment Session. *ICCAT Col. Vol. Sci. Pap.* 66: 1-186.
- ICCAT*. 2011. Report of the 2010 ICCAT Bigeye Tuna Data Preparatory Meeting. *ICCAT Col. Vol. Sci. Pap.* 66: 187-284.
- ICCAT*. 2010. Report of the 2009 ICCAT Sailfish Stock Assessment Session. *ICCAT Col. Vol. Sci. Pap.* 65: 1507-1632
- ICCAT*. 2010. Report of the training workshop on data collection and improvement in the Caribbean region. *ICCAT Col. Vol. Sci. Pap.* 65: 2310-2343
- ICCAT*. 2009. Report of the 2008 ICCAT Sailfish Data Preparatory Meeting. *ICCAT Col. Vol. Sci. Pap.* 64: 1765-1832.
- ICCAT*. 2007. Report of the 2006 ICCAT Billfish Stock Assessment. *ICCAT Col. Vol. Sci. Pap.* 60: 1431-1546
- ICCAT*. 2006. Report of the data-preparatory meeting for the 2006 billfish assessment. *ICCAT Col. Vol. Sci. Pap.* 59 (1):1-123.
- FAO. 2005. FAO Western Central Atlantic Fishery Commission. Report of the third session of the Scientific Advisory Group. Bridgetown, Barbados, 25–27 April 2005. *FAO Fisheries Report*, 781. 91 pp. FAO, Rome Italy.
- ICCAT. 2003-a. Report of the 2002 ICCAT bigeye tuna stock assessment meeting. *ICCAT Col. Vol. Sci. Pap.* 55 (5):1728-1842.
- ICCAT*. 2003-b. Report of the 2002 ICCAT white marlin stock assessment meeting. *ICCAT Col. Vol. Sci. Pap.* 55 (2):350-452.
- ICCAT. 2002-a. Report of the 2001 billfish species group session. *ICCAT Col. Vol. Sci. Pap.* 54 (3):649-754.
- ICCAT. 2002-b. Report of the ICCAT working group on assessment methods. *ICCAT Col. Vol. Sci. Pap.* 54 (5):1590-1640.
- ICCAT. 2001 -a. Report of the evaluation of the effect of the time/area closure of fishing under objects of the surface fleets. *ICCAT Col. Vol. Sci. Pap.* 52(1):350-414.
- ICCAT. 2001 -b. Report of the fourth ICCAT billfish workshop. *ICCAT Col. Vol. Sci. Pap.* 53:1-130.
- ICCAT. 2001 -c. Report of the ICCAT SCRS Atlantic yellowfin tuna stock assessment session. *ICCAT Col. Vol. Sci. Pap.* 52(1):1-148.
- ICCAT. 2001 -d. Report of the ICCAT working group on stock assessment methods. *ICCAT Col. Vol. Sci. Pap.* 52(5):1569-1662.
- FAO. 2001. FAO Western Central Atlantic Fishery Commission. Report of the first session of the Scientific Advisory Group. Port of Spain, Trinidad and Tobago, 2-5 April 2001. *FAO Fisheries Report*, 648. 71 pp. FAO, Rome Italy.

PROFESSIONAL

21. Funded Research Performed (included all active grants received in the last five years; *current grants*)
- *Avoiding surprises: understanding the impact of the deepwater horizon oil spill on the decision making of fishers.* 2016-2019. GOMRI \$189,000. CoP.I.
 - *Centre for independent experts.* 2011-2017. NOAA/NTVI \$249,000. P.I.
 - *Ecological Indicators for Water Management & Ecosystem Restoration of South Florida Estuaries.* 2012-2014. NOAA \$143,000. CoP.I.
 - *Connectivity of the Pulley Ridge - South Florida Coral Reef Ecosystem: Bioeconomic modeling.* 2013-2016 NOAA \$239,000. P.I.
 - Living Marine resources Cooperative Science Center 2008-2015 – NOAA/UMES – \$1,123,000 P.I
 - Development of survey inventory, fishery-independent survey. 2011-2015. NOAA/NTVI. \$545,000 P.I
 - Evaluation of management and policies contributing to sustainability of tuna fisheries. 2010-2013. ISSF \$168,000 P.I.
 - Targeted products for improving ecosystem management. 2013-2015. NOAA. \$156,000. P.I.

Peer Review

Journals

Canadian Journal of Fisheries and Aquatic Sciences
Transactions of American Fisheries Society
Marine and Freshwater Research
Fisheries Research
Bulletin of Marine Science
Continental Shelf Research
Remote Sensing of Environment

Marine Biology
Fishery Bulletin (US)
Estuarine and Coastal Shelf Science
North American Journal of fisheries management
ICES Journal of Marine Science
PNAS
Ciencias Marinas

Funding agencies

Australian FRDC
NOAA/Seagrant Graduate Fellowships

NOAA - Saltonstall-Kennedy
NOAA- Bluefin Tuna Research Program

Projects

Tropical Resource Assessment Project. FRDC Cairns, Oct 1997
Bioeconomic modeling of tuna resources in the Pacific. ACIAR, Noumea, Oct 1997

Assessments

Torres Straits Prawn Fishery. AFMA, Cairns Oct 2003
ICES Deep Sea stocks. Copenhagen Feb 2014
CIE Director, University of Miami 1999- 2010

Institutions

IFREMER laboratories of Reunion, Martinique and Cayene Nov 2007
Fisheries Center, University of British Columbia Jan 2008

Technical Translator

Length based methods for stock assessment. 1994. English to French and Spanish. FAO Fisheries Department. VIT a manual for length-based virtual population analysis. 1995. Spanish to English. FAO Fisheries Department. Comments on Assessments of Southern Bluefin Tuna. 1998. English to French. Law of the Sea tribunal.

23. Professional and Honorary Organizations (member, officer; date):
- American Fisheries Society, member 1984-89, 2006-
 - Oceanography Society, member 1984-89
 - Australian Fish Biology Society, member 1990-1995
 - ICLARM Network of Tropical Fisheries Scientists, member 1993-1999
24. Honors and Awards: Fulbright Scholar 1983-88 Reitmeister Scholarship 1989
26. Other Professional Activities (e.g., papers presented; performances; conference proceedings; seminar or conference panel member; catalogue work; etc.):
- Organizer, Symposium on fishery peer review systems, American Fisheries Society, September 11 2006

- Organizing Committee, Symposium on Integration of Climate, Atmospheric, Environmental, Remote Sensing and Fisheries Technologies in Ecosystem Level Assessments, American Fisheries Society, September 4 2007
- Invited expert, NMFS Committee for the evaluation of White marlin as an endangered species 2003
- Member, International Union for Conservation of Nature (IUCN) Tuna and Billfish Specialist Group for the IUCN Global Marine Species Assessment Oct 2010 – April 2011
- Member, US National Academies - Committee on the Effects of the Deepwater Horizon Mississippi Canyon-252 Oil Spill on Ecosystem Services in the Gulf of Mexico. December 2011- April 2013

Past membership in Scientific Advisory Committees

1994-1999	Member, Chair (1998) Northern Prawn Fishery Research and Environment Sub-committee
1994-1999	Adviser, Northern Prawn Fishery Management Advisory Committee
1995-1999	Chair, Northern Prawn Fishery Assessment Group
1995-1999	Member, Queensland Ports Corporation, Karumba and Weipa Dredging Technical Advisory Committee
1996-1997	Member, Queensland Trawl Whiting Stock Assessment Committee
1997-1999	Member, Queensland Crab Stock Assessment Group
1998-1999	Member, Queensland Northern Fish Trawl Management & Technical Committee
1998-1999	Member, Northern Prawn Fishery Fishing closures Sub-committee
2001-2005	Chair, Western Central Atlantic Commission Scientific Committee
2001-2010	Chair, ICCAT Billfish working group
2010-2014	Rapporteur, bigeye, ICCAT tropical tuna working group
2007-2010	Expert, Caribbean Regional Fishery Mechanism

Current membership in Scientific Advisory Committees

2014-	Chair, ICCAT Standing Committee on Research and Statistics
2016-	Chair, ICCAT AOTTP Steering Committee
2014-	Chair, ICCAT GBYP Steering Committee
2015-	Co-Chair, ICCAT Ad Hoc working group on FADs
2015 -	Co-Chair, ICCAT Working Group Dialogue between scientists and managers working group
2016-	Member, Global tuna RFMO working group on Management strategy Evaluation
2017-	Member, Global tuna RFMO working group on FADs
2017-	Scientific Advisor, Environmental Impacts, The Ocean Cleanup

Lead expert

1995	Workshop on the assessment of fishery resources in eastern Indonesia. FAO.
1996-2004	Workshops on assessment of shrimp and groundfish stocks Guyanas-Brazil shelf. FAO.

TEACHING

28. Teaching Specialization (courses taught):

Academic - University of Miami

- Biometrics in marine science, 3 cr. Fall 1984. Teaching Assistant
- Population dynamics and fish stock assessment. 4 cr. Spring 1985. Teaching assistant
- Population dynamics and fishery management 1992. Guest lecturer. Graduate level course. University of Queensland.
- MBF 613 Marine Population Dinamics RSMAS 3 credits Spring 2005-2015
- MAF 576 Fisheries policy RSMAS 1 credit Spring 2005
- MES 677 Conservation and Management of Marine ecosystems RSMAS 3 credits Spring 2011-2015, 2017

Non-Academic- lecturer/teacher

- Population dynamics and fish stock assessment. 1992. 6 month course. Queensland Government Fisheries Division.
- Environmental management. 1995- 98. Guest lecturer. Graduate level course. Griffith University.
- Population dynamics and fish stock assessment. 1993-99. (Spanish & English). 4 week intensive courses under the FAO\ DANIDA training project. Mexico, Panama, Indonesia.
- Introduction to FISHLAB. 2000. Spanish Institute of Oceanography. 1 week. Madrid, Spain.
- Stock Assessment methods used by ICCAT in the Mediterranean. 2001. FAO\COPEMED. 1 week. Sete, France.
- ICCAT regional workshop on estimation of relative abundance indices. 2004. 1 week. Univ. Federal Recife. Recife, Brazil.
- Workshop on standardization of catch per unit of effort. 2007. 3 day. SEFSC/NMFS, Miami.
- ICCAT fisheries data training workshops (1 week each). Senegal July 2008, Guyana Feb 2009, Guinea 2012.
- WWF/FAO Areas Beyond National Jurisdiction (ABNJ): Atlantic Ocean Tuna Management Workshop, Ghana, August 2016.

SERVICE

29. Thesis and Dissertation Advising/Post-doctoral student supervision (chairman or committee member; topic; student name; date):

Post-Doctoral Advising

Dr. Elizabeth Brooks, Fishery management strategy evaluation. 1999–2002
Dr. Larry Perruso, Fishery economics of marine protected areas. 2003-2004
Dr. Panayota Apostolaki, Simulation of management strategies. 2004- 2006
Dr. Monica Valle, Assessment of US Caribbean resources. 2004-2005
Dr. John Walter, Spatial methods in fisheries. 2006-2007
Dr. Kristin Kleisner, Spatial analysis of fisheries data 2008
Dr. Joaquin Zabalo, Ecosystem models 2011-2012
Dr. Arnaud Gruss, Ecosystem models 2012-2014
Dr. Elizabeth Council Population assessments 2016-2017
Dr. Francesca Forrestal Management Strategy Evaluation 2016-

Thesis And Dissertation Advising (year of degree conferred, chair role underlined, * Co-chair)

Ph.D.

Young Park (2000)	Population dynamics of endeavour prawns, University of Queensland
Julie Robins (2002)	Population dynamics of sea turtles, James Cook University
<u>Monica Valle*</u> (2003)	Population dynamics of conch, University of Miami
Mark Sullivan (2003)	Effects of fishing on benthos, University of Miami
<u>Kristin Kleisner</u> (2008)	Population dynamics of dolphinfish, University of Miami
<u>Ayeisha Brinson</u> (2008)	Socioeconomics of billfish fisheries, University of Miami
Ashley McCrea (2009)	Trophic fishery models University of Miami
Mandy Karnuskas (2011)	Indicators for Marine protected areas University of Miami
<u>Atanasio Brito (2011) *</u>	Population modeling of shrimp, Florida A&M
<u>Steven Saul (2012)</u>	Dynamics of small fishing units, University of Miami
Valliere Dellevaux (2012)	Red snapper population dynamics University of Miami
William Hardford (2013)	Protected area models University of Miami
<u>Elizabeth Councill (2014)</u>	Reproductive strategy models University of Miami
Rolando Santos (2014)	Submerged Aquatic Seascape Dynamics, University of Miami
Mark Fitchett (2015)	Sailfish fishery dynamics University of Miami
<u>Dominique Lazarre (2016)</u>	Lionfish invasion dynamics University of Miami
<u>Francesca Forrestal (2016)</u>	Sustainability of global tuna fisheries, University of Miami
<u>Victoria Ortiz</u>	Population dynamics of albacore tuna, Universidad Pais Vasco
Holly Perryman (2017)	Ecosystem modeling of the Gulf of Mexico Fishery, University of Miami
Matt Nuttall	Ecosystem modeling of the Gulf of Mexico Fishery, University of Miami
<u>Michelle Sculley (2016)</u>	Tropical Atlantic tuna dynamics, University of Miami
Ian Zink	Shrimp population dynamics, University of Miami
<u>Lily Hoening</u>	Stock assessment under catch shares management
Catalina Vazquez	Juvenile sea turtle habitat selection, University of Miami
Julie Brown	Economics of sport fishing in the Eastern Pacific, University of Miami
Bruce Pohlot	Sailfish behavioral ecology in the Eastern Pacific, University of Miami
Hailey O'Farrell	Shark population dynamics, University of Miami

M.Sc.

<u>Atanasio Brito*</u> (2001)	Management strategies of shrimp fishery, Florida A&M
Mark Fitchett (2007)	Sailfish population dynamics, University of Miami
<u>Xaymara Serrano*</u> (2008)	Ecophysiology of gray snapper, University of Miami
<u>Francesca Forrestal*</u> (2010)	Marine aquaculture and ecosystem modeling, University of Miami
<u>Kathrina Philips*</u> (2011)	Sea turtle reproductive dynamics, University of Miami
<u>Veronique Koch (2011)</u>	Habitat of shallow water groupers, University of Miami
<u>Katherine Shaw*</u> (2013)	Seaturtle egg survival, University of Miami
Rebecca Peters (2017)	Otolith microchemistry of black seabass, University of Maryland Eastern Shores
Amber Butler (2017)	Aquaculture nutrition, University of Miami
<u>Emily Starnes (2017)</u>	Bioeconomic modeling for Pulley Ridge, University of Miami

Chiara Pacini Age and growth of juvenile snowy grouper, University of Miami
Charlene Queene Ecosystem indicators, University of Miami

M.A./MPS

Steve Saul (2006) Marine Affairs and Policy, University of Miami
Don Gentile (2008) Marine Affairs and Policy, University of Miami
Sarah Privoznik (2014) Fisheries management and Conservation, University of Miami
Austin Flynn (2014) Marine Affairs and Policy, University of Miami
Aneese Williams (2015) Fisheries management and Conservation, University of Miami
Rumya Sundaram (2015) Fisheries management and Conservation, University of Miami
Rachel Fujimoto (2015) Fisheries management and Conservation, University of Miami
McKee Gray (2015) Coastal Zone Management, University of Miami
Emily Northrop (2016) Marine Conservation, University of Miami
Drake Slater (2016) Fisheries management and Conservation, University of Miami
Brandy Ligocky Aquaculture, University of Miami
Heather Sadusky Marine Conservation, University of Miami

30. University Committee and Administrative Responsibilities:

- Cooperative Institute of Marine and Atmospheric Science, Fellow, 2000-; Associate Director 2006, 2008-
- MBF Academic Committee 2002- 2004
- Rosentiel Award Committee. 2004-2005
- Fisheries curriculum committee. 2003-2004
- MPS Academic committee 2010-2016
- MAF/MES Graduate Academic Program, Chair 2014-2016
- RSMAS Diversity committee 2014-
- RSMAS School Council MES alternate 2016-

31. Community Activities

Scientific Judge, Ocean Sciences Bowl, Judge, 2000-2002
Lecturer, IMPACT Program Miami Museum of Science 2001
Educational Task force, Key Biscayne High School 2009-
Fishhackathon, Department of State, Venture Hive 2014-2015