**TENURE AND PROMOTION CURRICULUM VITAE**

**OF**

**YUYING ZHANG, DEPARTMENT OF BIOLOGICAL SCIENCES**

EDUCATION

Degree Institution Field Dates

Ph.D. University of Maine Interdisciplinary 2005 - 2010

 Program

 (Oceanography,

Statistics and

Computer Science)

M.S. University of Maine Oceanography 2003 - 2005

B.S. East China University Computer Science 1999 - 2003

of Science and Technology

FULL-TIME ACADEMIC EXPERIENCE

Institution Rank Field Dates

Florida International Associate Professor Quantitative Fisheries Aug 2018 - present

University Biology

Florida International Assistant Professor Quantitative Fisheries Aug 2011 - Jul 2018

University Biology

University of (Postdoctoral Fellow) Fishery Sept 2009 - Aug 2011

Massachusetts, Research Associate

Dartmouth

EMPLOYMENT RECORD AT FIU

Rank Dates

Associate Professor Aug 2018- present

Assistant Professor Aug 2011- Jul 2018

PUBLICATIONS IN DISCIPLINE (\*student coauthors highlighted)

Peer Reviewed

Zhang, Y. and N. Yao\*. Estimating growth of Caribbean Spiny Lobster using mark-recapture data. Marine and Coastal Fisheries (accepted).

Yao, N.\*, and **Y. Zhang**. Investigating temporal variation in stable carbon and nitrogen isotope values of Florida Caribbean spiny lobster *Panulirus argus* recruits. Bulletin of Marine Science (accepted).

Xue, Z., **Y. Zhang**, M. Lin, S. Sun, W. Gao, and W. Wang. 2017. Effects of habitat fragmentation on the population genetic diversity of the Amur minnow (*Phoxinus lagowskii*). Mitochondrial DNA Part B: Resources 2: 331-336.

Kilfoil, J. P.\*, M. E. Bond, M. D. Campbell, J. J. Kiszka, K. R. Gastrich, M. R. Heithaus, **Y. Zhang**, and A. Wirsing. 2017. Do traditional video survey methods undercount sharks at high densities? A comparison using conventional and newly developed full-spherical camera technologies. Marine Ecology Progress Series 585: 113-121.

**Zhang, Y.**, Y. Chen, J. Zhu, S. Tian and X. Chen. 2017. Evaluating effectiveness of biological reference points for Bigeye tuna (*Thunnus obesus*) fishery and Yellowfin tuna (*Thunnus albacares*) fishery in the Indian Ocean. Aquaculture and Fisheries 2: 84-93.

Li, Y., **Y. Zhang**, J. Xu, and S. Zhang. 2017. Spatial variations in food web structures with alternative stable states: evidence from stable isotope analysis in a large eutrophic lake. Chinese Journal of Oceanology and Limnology https://doi.org/10.1007/s00343-017-6225-z.

Li. Y., Y. Gong, **Y. Zhang**, and X. Chen. 2017. Inter-annual variability in trophic patterns of jumbo squid (*Dosidicus gigas*) off the Exclusive Economic Zone of Peru, implications for stable isotope values in gladius. Fisheries Research (impact factor: 2.359, rank: 11/50 in Fisheries), 187: 22-30.

Li, Y., **Y.** **Zhang**,and X. Dai. 2016. Trophic interactions among pelagic sharks and large predatory teleosts in the northeast central Pacific. Journal of Experimental Marine Biology and Ecology (impact factor: 2.31, rank: 39/105 in Marine and Freshwater Biology), 483: 97-103.

Li, Y., N. Hussey, and **Y. Zhang**.2016. Quantifying ontogenetic stable isotope variation between dermis and muscle tissue of two pelagic sharks. Aquatic Biology (impact factor: 1.645, rank: 49/105 in Marine and Freshwater Biology), 25: 53-60.

Li, Y., **Y.** **Zhang**, N. Hussey, and X. Dai. 2016. Urea and lipid extraction treatment effects on δ15N and δ13C values in pelagic sharks. Rapid Communication in Mass Spectrometry (impact factor: 1.998), 30: 1-8.

Yan, Y., **Y. Zhang**, G. Wu, X. He, C. Zhao and H. Lu, 2015. Seasonal feeding habits, reproduction, and distribution of *Harpiosquilla harpax* (Stomatopoda: Harpiosquillidae) in the Beibu Gulf, South China Sea. Journal of Crustacean Biology (impact factor: 1.096, rank: 68/105 in Marine and Freshwater Biology), 35: 776-784.

**Zhang, Y.** and S. X. Cadrin, 2013. Estimating effective sample size for length frequency distributions from Georges Bank groundfish samples: a comparative study. Transactions of the American Fisheries Society (impact factor: 1.568, rank: 22/50 in Fisheries), 142: 59-67.

**Zhang, Y.**, Y. Chen, J. Zhu, S. Tian and X. Chen, 2013. Evaluating different harvest control rules for bigeye tuna (*Thunnus obesus*) and yellowfin tuna (*Thunnus albacares*) fisheries in the Indian Ocean. Fisheries Research (impact factor: 2.359, rank: 11/50 in Fisheries), 137: 1-8.

**Zhang, Y.**, Y. Li and Y. Chen, 2012. Modeling the dynamics of ecosystem for the American lobster in the Gulf of Maine. Aquatic Ecology (impact factor: 1.816, rank: 52/105 in Marine and Freshwater Biology), 46: 451-464.

**Zhang, Y.** and Y. Chen, 2012. The effectiveness of harvest control rules in managing the Gulf of Maine American lobster (*Homarus americanus*) fishery. North American Journal of Fisheries Management (impact factor: 1.306, rank: 27/50 in Fisheries), 32: 984-999.

Li, Y. and **Y. Zhang**, 2012. Fisheries impact on the East China Sea Shelf ecosystem for 1969-2000. Helgoland Marine Research (impact factor: 1.297, rank: 70/105 in Marine and Freshwater Biology), 66: 371-383.

**Zhang, Y.**,Y. Chen and C. Wilson, 2011. Developing and evaluating harvest control rules with different biological reference points for the American lobster fishery in the Gulf of Maine. ICES Journal of Marine Science (impact factor: 2.949, rank: 16/105 in Marine and Freshwater Biology), 68: 1511-1524.

**Zhang, Y.**, Y. Chen and Y. Chang, 2011. Estimating biological reference points using individual-based per-recruit models for the Gulf of Maine American lobster, *Homarus americanus*, fishery. Fisheries Research (impact factor: 2.359, rank: 11/50 in Fisheries), 108: 385-392.

**Zhang, Y.**, D. Brzezinski, J. Chang, K. Stepanek and Y. Chen, 2011. Spatial structuring of fish community in association with environmental variables in the Coastal Gulf of Maine. Journal of Northwest Atlantic Fishery Science, 43: 47-64.

Chang, Y., C. Sun, Y. Chen, **Y. Zhang** and S. Yeh, 2011. Incorporating climate changes into population dynamic modeling: an individual-based modeling approach for lobster. Canadian Journal of Fisheries and Aquatic Sciences (impact factor: 2.845, rank 21/105 in Marine and Freshwater Biology), 68: 122-136.

**Zhang, Y.** and Y. Chen, 2007. Modeling and evaluating ecosystem in 1980s and 1990s for American lobster (*Homarus americanus*) in the Gulf of Maine. Ecological Modeling (impact factor: 2.683, rank: 59/153 in Ecology), 203: 475-489.

Non-Peer Reviewed

Yao, N.\* and Y. **Zhang,** 2016. Developing a Size-structured Stock Assessment Model for Spiny Lobster in the Southeast United States. 68th Gulf and Caribbean Fisheries Institute Conference Proceeding. Panama City, Panama.

PRESENTED PAPERS AND LECTURES

Presentations at Scientific Meetings

47th Annual Benthic Ecology Meeting, Corpus Christi, TX Mar 2018

Title: Investigating the connectivity of Florida Caribbean spiny lobster *Panulirus argus* recruits using stable isotope analysis.

Research Experiences Expert Talk, Bimini Biological Field Station, South, Bahamas Feb 2018

Title: Experimental validation of unmanned aerial vehicles to survey smalltooth sawfish (*Pristis pectinata)* in the Bahamas.

ICES Annual Science Conference 2017: Ft Lauderdale Sept 2017

Title: Moving beyond diver surveys: Automated UAV survey data extraction to quantify coral and invertebrate density in shallow-water marine environments.

2017 FL Sea Grant Symposium Sept 2017

Title Developing a size-structured stock assessment model for spiny lobster in the southeast United States.

147th American Fisheries Society annual meeting: Tampa, FL Aug 2017

Title: Development of a decision-support tool for Gulf Mexico red snapper: Initiating feedback in the MSE feedback loop.

147th American Fisheries Society annual meeting: Tampa, FL Aug 2017

Title: Foraging strategies of marine fish driven by sex, size of distribution? A case study of lizard fish, *Saurida tumbil* of South China Sea.

147th American Fisheries Society annual meeting: Tampa, FL Aug 2017

Title: Evaluating impacts of stock spatial structure on the management of the Southeast S spiny lobster stock.

147th American Fisheries Society annual meeting: Tampa, FL Aug 2017

Title: Are limited field-of-views limiting elasmobranch conservation efforts? Implications for Baited Remote Underwater Video Surveys.

11th International Conference & Workshop on Lobster Biology and Management June, 2017

Title: Investigating the connectivity of the Caribbean spiny lobster using a multi-disciplinary approach

11th International Conference & Workshop on Lobster Biology and Management June, 2017

Title: Developing a size-structured stock assessment model for spiny lobster in the southeast United States

68th Gulf and Caribbean Fisheries Institute: Panama City, Panama Nov, 2015

Title: Developing a size-structured stock assessment for spiny lobster in the Southeast US

ICES Annual Science Conference 2015: Copenhagen, Denmark Sept 2015

Title: Unmanned aerial drone and stationary video surveys to estimate reef shark densities in shallow nursery habitats

145th American Fisheries Society annual meeting: Portland, OR Aug 2015

Title: Developing Growth Transition Matrix for Caribbean Spiny Lobster by Using Mark-Recapture Data

145th American Fisheries Society annual meeting: Portland, OR Aug 2015

Title: Spatial-temporal distributions of dominant estuarine species along the Texas coast

2013 Bluefin Tuna Stock Assessment Methods: Gloucester, MA July 2013

Title: Identify suitable biological reference points for bigeye tuna and yellowfin tuna fisheries in the Indian Ocean

*Represented the US Delegation*

The American Lobster in a Changing Ecosystem: A US-Canada Science Symposium: Portland, ME Dec 2012

Title: Ecosim modeling of ecosystem dynamics for the American lobster in the Gulf of Maine

63rd Tuna Conference: Lake Arrowhead, CA May 2012

Title: Evaluating effectiveness of harvest control rules and biological reference points for Bigeye tuna (*Thunnus obesus*) and Yellowfin tuna (*Thunnus albacares*) fisheries in the Indian Ocean

141th American Fisheries Society annual meeting: Seattle, WA Sept 2011

Title: Evaluating performance of a survey index for stock assessment

140th American Fisheries Society annual meeting: Pittsburgh, PA Sept. 2010

Title: Developing an individual based model for estimating biological reference points for the Gulf of Maine American lobster fishery

140th American Fisheries Society annual meeting: Pittsburgh, PA Sept 2010

Title: Estimating effective sample size of size composition for groundfish trawl-survey samples in the Georges Bank: a comparative study

139th American Fisheries Society annual meeting: Nashville, TN Sept 2009

Title: Developing and evaluating management control rules with different biological reference points for the American lobster fishery

International Symposium on Ecological Improvement, Conservation and Evaluation for Coastal Habitats: Shanghai, China Oct 2008

Title: Demersal fish community and their habitat in the coastal Gulf of Maine, USA

5th World Fisheries Congress: Yokohama, Japan Oct 2008

Title: Spatial Dynamics of Demersal Fish Community in the coastal Gulf of Maine, USA

138th American Fisheries Society annual meeting: Ottawa, Canada Aug 2008

Title: Development of a user-friendly stock assessment model for the American lobster

137th American Fisheries Society annual meeting: San Francisco, CA Sept 2007

Title: Developing and Evaluating Biological Reference Points for the American Lobster Fishery Management

136th American Fisheries Society annual meeting: Lake Placid, NY Sept 2006

Title: Dynamics of Lobster Ecosystem in the Gulf of Maine

Invited Seminars

**Florida Fish and Wildlife Conservation Commission**: St Petersburg, FL Jan 2017

Title: Developing a size-structured stock assessment model and a meta-population framework for

Caribbean spiny lobster stocks.

**University of Miami**: Miami, FL Apr 2016

Title: Developing a size-structured stock assessment model and a meta-population framework for

Caribbean spiny lobster stocks.

**NOAA Southeast Fisheries Science Center**: Miami, FL Dec 2011

Title: Fisheries management strategy evaluation: Are we making good decisions?

**Florida Fish and Wildlife Conservation Commission**: St Petersburg, FL Nov 2011

Title: Management strategy evaluation for American lobster fisheries.

**Michigan State University**: East Lansing, MI Apr 2011

Title: Developing and evaluating harvest control rules with different biological reference points for the American lobster fishery.

WORKS IN PROGRESS (\*student coauthors highlighted)

Papers submitted to journals for consideration

**Zhang, Y.**, and N. Yao\*. Developing growth transition matrices for Caribbean spiny lobster, *Panulirus argus*. (submitted to Marine and Coastal Fisheries, under review)

Kilfoil, J. P.\*, M. D. Campbell, R. Caillouet, J. Salisbury, A. J. Wirsing, J. J. Kiszka, K. R. Gastrich, M. R. Heithaus, **Y. Zhang**, M. and E. Bond. Seeing the bigger picture: developing full-spherical video arrays as a new tool for monitoring marine environments. (submitted to PLOS ONE, under review)

Wang, W., **Y. Zhang**, H. Sun, Z. Jiang, and Z. Xue. Comparative analysis on mitochondrial control region DNA diversity of three far eastern catfish (*Silurus asotus*) populations. (submitted to Mitochondrial DNA Part B: Resources, under review)

Yan, Y., **Y. Zhang**, X. Zhu, Q. Feng, C. Zhao, H. Lu and B. Gu. Spatio-temporal trophic dynamics of a dominant fish, *Saurida tumbil*, with flexible sex-specific foraging strategies. (submitted to Journal of Fish Biology, under review)

Research in Progress

* Evaluating assessment errors in management strategy evaluation.
* Developing a meta-population model for the Caribbean spiny lobster stocks.
* Estimating egg-production indices for Caribbean spiny lobster stocks.
* Assessment of quantitative methods to address multi-collinearity in species distribution models.
* Analyzing the temporal molecular variance and population genetic structure for Florida’s spiny lobster recruits using microsatellite DNA marker.
* Quantifying stable isotope variation for Florida’s spiny lobster recruits.
* Estimating effective sample size for head-boat-caught length (weight) distributions.
* Using time series models to forecast the fishing prohibition date.

Pending Grant Proposals

Co-PI: NOAA FY2018 Fisheries And The Environment: Developing egg-production indices for Caribbean spiny lobster stocks (2017-2019; PI: John Lamkin, NOAA Southeast Fisheries Science Center, co-PI: Pengfei Xue, Michigan Technological University). Total budget: 133,713 USD, 64,060 USD to Zhang’s lab.

PI: NOAA FY2017 Marine Fisheries Initiative: Identifying nationalities of undocumented aliens: Using a multidisciplinary method to examine demographical connectivity among Caribbean spiny lobster stocks. (2017-2019). Total budget: 346,345 USD, 346,345 USD to Zhang’s lab.

PI: ICCAT Modelling Approach: Developing a decision-support tool for the North Atlantic swordfish fisheries management strategy evaluation process (2018; Contributor: John F. Walter, NOAA Southeast Fisheries Science Center; Michael J. Schirripa, NOAA Southeast Fisheries Science Center; Shu-Ching Chen, Florida International University) Total budget: 146,870 USD, 86,232 USD to Zhang’s lab.

FUNDED RESEARCH

**PI: NOAA RESTORE Act Science Program**: A decision-support tool for evaluating the impacts of short- and long-term management decisions on the Gulf of Mexico red snapper resource (2017-2020; Co-PI: Daniel Goethel, NOAA Southeast Fisheries Science Center; Matthew Smith, NOAA Southeast Fisheries Science Center; Stuart Carlton, Texas Sea Grant). Total budget: 528,945 USD, 463,728 USD to Zhang’s lab.

**PI: Florida Sea Grant**: Impacts of stock spatial structure and connectivity on the stock assessment and management of Caribbean spiny lobster stocks (2016-2018; Co-PI: David Kelly, Florida International University). Total budget: 222,281 USD, 216,531 USD to Zhang’s lab.

**PI: Cooperative Institute for Marine and Atmospheric Studies**: Estimating effective sample size for head-boat-caught length (weight) distributions & estimate recreational head-boat landings (2016-2017) Total budget: 34,147 USD, 34,147 USD to Zhang’s lab.

**PI: Cooperative Institute for Marine and Atmospheric Studies**: Using time series and empirical dynamic models to forecast the fishing prohibition date (2016-2017) Total budget: 34,147 USD, 34,147 USD to Zhang’s lab.

**PI: Florida Sea Grant**: Developing a size-structured stock assessment model for the spiny lobster, *Panulirus argus,* in the southeast United States (2014-2016) Total budget: 166,551 USD, 166,551 USD to Zhang’s lab.

**PI: Florida International University**: Management strategy evaluation for bigeye tuna and yellowfin tuna fisheries in the Atlantic Ocean (2012). Total budget: 8,333 USD, 8,333 USD to Zhang’s lab.

**PI: Shanghai Ocean University**: Developing and evaluating biological reference points for bigeye tuna and yellowfin tuna in the Indian Ocean (2008-2010). Total budget: 100,000 Chinese Dollars.

**Advisor: Fish and Wildlife Conservation Commission**: Investigating temporal variation in stable carbon and nitrogen isotope values of Florida Caribbean spiny lobster recruits. (2017; PI: Nan Yao, Florida International University). Total budget: 2,400 USD, 2,400 USD to Zhang’s lab.

**Advisor:** **2016 Florida Sea Grant Scholars Program**: Application of stable isotope analysis to trace origins of spiny lobster recruitment(2016-2017; PI: Nan Yao, Florida International University; co-advise with William Anderson, Florida International University). Total budget: 3,000 USD, 3,000 USD to Zhang’s lab.

**Advisor: 2016 Florida Sea Grant Guy Harvey Scholarship**:Novel video technologies to assess population status and species distributions patterns of reef sharks in data-poor regions (2016-2017; PI: James Kilfoil, Florida International University; co-advise with Michael Heithaus, Florida International University). Total budget: 5,000 USD, 5,000 USD to Zhang’s lab.

PROPOSALS SUBMITTED BUT NOT FUNDED

Advisor: NOAA 2017 Population Dynamic Fellowship: Improving ecosystem based management through technical innovation of visual surveys (2017-2020; PI: James Kilfoil, Florida International University). Total budget: 138,000 USD, 138,000 USD to Zhang’s lab.

PI: Florida Sea Grant: Developing a multi-disciplinary method to trace the origins of spiny lobster recruits (2018-2020; Co-PI: David Kelly, Florida International University). Total budget: 299,752 USD, 299,752 USD to Zhang’s lab.

Co-PI: NOAA RESTORE Act Science Program: Linking the ecosystem impacts of marine protected areas to the population dynamics of living marine resources (2017-2020; PI: Elizabeth Babcock, University of Miami). Total budget: ~1,200,000 USD, 166,075 USD to Zhang’s lab.

PI: NOAA 2017 Saltonstall-Kennedy Program: Improving data collection in Caribbean spiny lobster fisheries (2017-2019). Total budget: ~300,000 USD, 300,000 USD to Zhang’s lab.

Advisor: NOAA 2016 Population Dynamic Fellowship: Improving stock assessment survey design through the integration of spatial data (2016-2019; PI: James Kilfoil, Florida International University). Total budget: 138,000 USD, 138,000 USD to Zhang’s lab.

PI: NOAA 2016 Saltonstall-Kennedy Program: Data collection and analyses for queen conch (*lobatus gigas*) in Puerto Rico (2017-2018; Co-PI: Richard Appeldoorn, University of Puerto Rico). Total budget: 299,927 USD, 299,927 USD to Zhang’s lab.

PI: NOAA FY2016 Marine Fisheries Initiative: Evaluating efficacy of alternative management strategies for Gulf of Mexico red snapper fishery (2016-2018; PI: Yuying Zhang, Florida International University, Co-PI: Andrew Ropicki, Texas A&M University; Daniel Goethel, NOAA Southeast Fisheries Science Center). Total budget: 291,221 USD, 250,379 USD to Zhang’s lab.

PI: NOAA FY2015 Marine Fisheries Initiative: Evaluating efficacy of alternative management strategies for Gulf of Mexico Red Snapper fishery (2015-2017; PI: Yuying Zhang, Florida International University, Co-PI: Yong Chen, University of Maine). Total budget: 194,971 USD, 194,971 USD to Zhang’s lab.

Co-PI: Gulf of Mexico Research Initiative RFP-V: Fish and shellfish ecology in flux: Network analyses and community dynamics following the Deepwater Horizon Oil Spill, (2016-2017; PI: Kim de Mutsert and Kristy A. Lewis, George Mason University). Total budget: 734,314 USD, 176,762 USD to Zhang’s lab.

PI: Florida Institute of Oceanography Florida Centers of Excellence Research Grants Program: An assessment of Gulf flounder in Eastern Gulf of Mexico, (2015-2017; Co-PI: Jui-Han Chang, NOAA Northeast Fisheries Science Center, Yong Chen, University of Maine). Total budget: 284,956 USD, 284,956 USD to Zhang’s lab.

PI: Atlantic States Marine Fisheries Commission Mid-Atlantic Collaborative Research: Investigate the catchability and efficiency of NEFSC trawl survey in estimating abundance of Atlantic mackerel (2016-2017; Co-PI: Kevin Boswell, Florida International University; Michael Jech and Michael Martin NOAA Southeast Fisheries Science Center, Yong Chen, University of Maine). Total budget: 171,478 USD, 165,441 USD to Zhang’s lab.

Co-PI: Great Lakes Fishery Commission: Connectivity of rainbow smelt populations in the Michigan Lake (2015-2016; PI: Pengfei Xue, Michigan Technological University). Total budget: 123,442 USD, 16,604 USD to Zhang’s lab.

PI: NOAA FY2014 Demonstration of a U.S. Marine Biodiversity Observation Network: Marine biodiversity in the Southeastern US: A regional demonstration of a national network (2014-2019; Other PIs: Jennifer Denicolas, NEON, Inc.; Nicole Fogerty, Nova Southeastern University; Heather Grissom, Florida International University; Pat Halpin, Duke University; Ruoying He, North Carolina State University; Zachary Johnson, Duke University; David Johnston, Duke University; David Kersetter, Nova Southeastern University; Jose Lopez, Nova Southeastern University; Charles Messing, Nova Southeastern University; Doug Nowacek, Duke University; Dwayne Porter, University of South Carolina; Andrew Read, Duke University; Denise Sanger, SC Department of Natural Resources; Brian Silliman, Duke University; Tracey Smart, SC Department of Natural Resources; Mike Stewart, NEON, Inc.; Tracey Sutton, Nova Southeastern University; James Thomas, Nova Southeastern University; Brian Walker, Nova Southeastern University; Brian Wee, NEON, Inc.). Total budget: 9,279,798 USD, ~300,000 USD to Zhang’s lab.

PI: NOAA FY2014 Fisheries And The Environment: Analyzing influence of environmental variables on recruitment dynamic of south Florida spiny lobster (*Panulirus argus*) (2014-2016; PI: Yuying Zhang, Florida International University, Collaborator: Michael Schirripa, NOAA Southeast Fisheries Science Center, Thomas Matthews, Florida Fish and Wildlife Conservation Commission). Total budget: 152,292 USD, 146,292 USD to Zhang’s lab.

PI: NOAA FY2014 Marine Fisheries Initiative: Developing a length-structured model for the assessment and management of Golf of Mexico red snapper (2014-2016; PI: Yuying Zhang, Florida International University, Co-PI: Jakob Tetzlaff, NOAA Southeast Fisheries Science Center, Yong Chen, University of Maine). Total budget: 169,661 USD, 169,661 USD to Zhang’s lab.

PI: NOAA FY2014 Bluefin Tuna Research Program: Evaluating the efficacy of alternative management strategies for Atlantic Bluefin tuna fisheries (2014-2015; PI: Yuying Zhang, Florida International University, Co-PI: John Walter, NOAA Southeast Fisheries Science Center, Shannon Cass-Calay, NOAA Southeast Fisheries Science Center). Total budget: 102,812 USD, 102,812 USD to Zhang’s lab.

PI: NOAA FY2013 Bluefin Tuna Research Program: Evaluating the efficacy of alternative management strategies for Atlantic bluefin tuna fisheries (2013-2014; PI: Yuying Zhang, Florida International University, Co-PI: John Walter, NOAA Southeast Fisheries Science Center, Shannon Cass-Calay, NOAA Southeast Fisheries Science Center). Total budget: 61,880 USD.

PI: Florida International University 2012 Faculty Research Support Program: Developing a size-based stock assessment model for the Florida spiny lobster, *Panulirus argus* (2013-2014: PI: Yuying Zhang, Florida International University). Total budget: 16,382 USD.

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

School/College

Florida International University Summer Faculty Development Awards 2012

College of Arts & Sciences

University

University of Maine International Student Tuition Scholarship 2006 - 2010

University of Maine Provost Scholarship 2005

University of Maine Top Posters in Graduate Research Expo 2005

Honor and Award to Graduate Students

Kilfoil, J. 2018. Second Place in the 2018 Scholarly Forum - FIU Graduate Student Appreciation Week

Yao, N. 2017. Adolfo Henriques Scholarship - Florida International University

Kilfoil, J. 2017. Small Grant - Save Our Seas

Kilfoil, J. 2016. Guy Harvey Fellowship - Florida Sea Grant

Yao, N. 2016. Sea Scholar - Florida Sea Grant

Yao, N. 2016. Adolfo Henriques Scholarship - Florida International University

Kilfoil, J. 2015. Early Career Scientist Best Presentation Honorable Mention - ICES Annual Science Conference 2015

Yao, N. 2015. SGA Graduate Scholarship - Florida International University

Yao, N. 2015. University-Wide Scholarship - Florida International University

Yao, N. 2015. Judith Parker Evans Travel Scholarship - Florida International University

Yao, N. 2014. Tinker Field Research Grants - FIU Latin American and Caribbean Center

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

Center Affiliations and Interdisciplinary Activities

* Workshop Organizer and Monitor, 11th International Conference and Workshop on Lobsters (2017)
* Adjunct Professor, Shanghai Ocean University, International Center for Marine Sciences (2013 - present)
* Symposium Organizer and Session Monitor, American Fisheries Society Annual Meeting (2010)
* Interpreter, PEW Fellows Annual Meeting (2009)

Judge and Panelist

* Advisory Panel, U.S. Section to the International Commission for the Conservation of Atlantic Tunas (2017 - present)
* Advisory Panel, National Marine Fisheries Service, Atlantic Highly Migratory Species, Southeast Data, Assessment and Review Workshops (2014 - present)
* Reviewer, 2017 Bluefin Tuna Research Program (2016)
* Reviewer, Oregon Sea Grant (2013)
* Reviewer, ICES Stock Assessment Reports (2010 - 2011)
* Journal Reviewers

*Acta Oceanologica Sinica*

*Bulletin of Marine Science*

*Canadian Journal of Fisheries and Aquatic Sciences*

*Chinese Journal of Oceanology and Limnology*

*Ecological Applications*

*Ecological Modelling*

*Fisheries*

*Fisheries Management and Ecology*

*Fisheries Research*

*Fishery Bulletin*

*Fishery Modernization*

*ICES Journal of Marine Science*

*Journal of Ocean University of China*

*Marine and coastal Fisheries*

*North American Journal of Fisheries Management*

*Science of the Total Environment*

*Transactions of the American Fisheries and Aquatic Sciences*

Departmental Service

* Glaser Committee Chair, Florida International University (2016 - present)
* Marine Biology Development Committee Member, Florida International University (2012 - present)
* DBER Search Committee member, Florida International University (2014 - 2015)
* Honors Committee Member, Florida International University (2013 - 2016)
* Marine Ecologist Search Committee Member, Florida International University (2013 - 2014)
* Evolutionary Developmental Biologist Search Committee Member, Florida International University (2012 - 2013)
* Seminar Committee Chair, Florida International University (2011 - 2013)
* Marine Genetics Search Committee Member, Florida International University (2011 - 2012)
* Seminar Committee Member, University of Massachusetts (2010)