

## Yuying Zhang

### Research & Working Experience

Assistant Professor	Florida International University	2011 ~ present
Research Associate (Postdoc)	University of Massachusetts, Dartmouth	2009 ~ 2011

### Education

University of Maine	Interdisciplinary Program (Oceanography, Statistics & Computer Science)	Ph.D. 2010
University of Maine	Oceanography	M.S. 2005
E. China Univ. of Scie. & Tech.	Computer Science	B.A. 2003

### Selected Peer Reviewed Publications (Since 2011)

- 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* 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* 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* 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* 32: 984-999.
- Li, Y. and **Y. Zhang**, 2012. Fisheries impact on the East China Sea Shelf ecosystem for 1969-2000. *Helgoland Marine Research* 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* 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* 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* 68: 122-136.

### Selected Contributed Presentations (Since 2011)

- Meeting On Bluefin Tuna Stock Assessment Methods:** Gloucester, ME July. 2013  
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
- The American Lobster in a Changing Ecosystem:** Portland, ME Dec. 2012  
Title: Ecosim modeling of ecosystem dynamics for the American lobster in the Gulf of Maine
- 141<sup>th</sup> American Fisheries Society annual meeting:** Seattle, WA Sept. 2011  
Title: Evaluating performance of a survey index for stock assessment

## **Projects**

- PI: Florida Sea Grant: Developing a size-structured stock assessment model for the spiny lobster, *Panulirus argus*, in the southeast United States, 166,551 US Dollars (2014-2015)
- PI: Florida International University: Management strategy evaluation for bigeye tuna and yellowfin tuna fisheries in the Atlantic Ocean, 8,333 US Dollars (2012)
- PI: Shanghai Ocean University: Developing and evaluating biological reference points for bigeye tuna and yellowfin tuna in the Indian Ocean, 100,000 Chinese Dollars (2008-2010)
- Involved: University of Rhode Island: Mid-Atlantic Research Set-Aside (2011) (Skrobe L. *et al.*)
- Involved: Mass marine fisheries institute: Massachusetts-based sustainable fisheries research. (2009-2011) (Stokesbury K. *et al.*)
- Involved: SHOU: Stock assessment models and its effectiveness on Tuna fisheries management. (2010-2012) (Zhu J. *et al.*)
- Involved: Maine Lobster Advisory Committee: Testing biological reference point for the American lobster. (2004-2005) (Chen Y.)
- Involved: Maine Sea Grant: Developing and evaluating biological reference points for the American lobster (*Homarus americanus*) fishery management. (2006-2008) (Chen Y.)
- Involved: Maine Sea Grant: Modeling ecosystem dynamics for American lobster (*Homarus americanus*) in the Gulf of Maine. (2008-2010) (Chen Y. and C. Wilson)

## **Selected Invited Seminars (Since 2011)**

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|---|-------------------|-----------|
| 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. |                   |           |

## **Selected Journal Reviews (Since 2011)**

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|-----------------------------|---|
| Fisheries Research (3)      | Journal of Ocean University of China (2)        |
| Ecological Modelling (6)    | Science of the Total Environment (1)            |
| Ecological Applications (1) | Chinese Journal of Oceanology and Limnology (2) |
| Fishery Modernization (1)   | ICES Journal of Marine Science (2)              |

## **Selected Honors & Awards (Since 2005)**

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|--|-------------|
| Summer Faculty Development Awards (Florida International University) | 2012        |
| International Student Tuition Scholarship (University of Maine)      | 2006 ~ 2010 |
| Provost Scholarship (University of Maine)                            | 2005        |

## **Collaborators and co-authors (in the past 48 months)**

- Florida Fish and Wildlife Conservation Commission: T. Matthews
- Maine Department of Marine Resources: K. Stepanek, C. Wilson
- National Taiwan University: C. Sun, S. Yeh
- NOAA: S. Calay, J. Chang, Y. Chang, M. Schirripa, J. Tetzlaff, J. Walter
- Shanghai Ocean University: X. Chen, Y. Li, S. Tian, J. Zhu
- University of Rhode Island: L. Skrobe
- University of Maine: Y. Chen, D. Chesky
- University of Massachusetts, Dartmouth: S. Cadrin, K. Stokesbury