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Education

- 1996 Ph.D. in oceanography, Graduate School of Oceanography, Univ. of Rhode Island
1988 M.S. in marine phycology, Xiamen (Amoy) University, Xiamen, China
1985 B.S. in botany, Xiamen University, Xiamen, China

Professional History

- 2005- present Research Ecologist, Milford Lab, NOAA Fisheries
2001-2005 Environmental Analyst II, CT Depart. Of Energy and Environmental Protection
1999-2000 Assistant Marine Research Scientist, Univ. of Rhode Island
1996-1999 Postdoc, Graduate School of Oceanography, Univ. of Rhode Island
1991-1996 Graduate Assistant, Graduate School of Oceanography, Univ. of Rhode Island
1995 Graduate Assistant, Marine Science Institute, Univ. of Texas at Austin
1988-1991 Teaching and Research Associate, Jinan Univ., Guangzhou, P.R.China

Publications

e-Booklet

- Van Pattern, Peg, **Y. Li** and G. H. Wikfors. 2012 A Student's Guide to Common Phytoplankton of Long Island Sound. Connecticut Sea Grant.
<http://seagrant.uconn.edu/publications/longislandsound/index.php>.

Peer Reviewed Papers

- Li, Y.**, S. L. Meseck, M. S. Dixon & G. H. Wikfors (2018) The East River tidal strait, New York City, New York, a high-nutrient, low-chlorophyll coastal

- system. *International Aquatic Research*, 10, 65-77. Doi: 10.1007/s40071-018-0189-2.
- Galimany, E., J. M. Rose, M. S. Dixon, R. Alix, **Y. Q. Li** & G. H. Wikfors (2018) Design and Use of an Apparatus for Quantifying Bivalve Suspension Feeding at Sea. *Jove-Journal of Visualized Experiments*, e58213. doi: 10.3791/58213.
- Meseck, S. L., **Y. Li**, I. Sunila, M. S. Dixon, P. Clark, C. Lipsky, S. J. R., P. Music & G. H. Wikfors (2017) Characterizing seston in the Penobscot River Estuary. *Marine Environmental Research*, 131, 43-56. Doi: 10.1016/j.marenvres.2017.09.010.
- Galimany, E., G. H. Wikfors, M. S. Dixon, C. R. Newell, S. L. Meseck, D. Henning, **Y. Li** & J. M. Rose (2017) Cultivation of the ribbed mussel (*Geukensia demissa*) for nutrient bioextraction in an urban estuary. *Environmental Science & Technology*, 51, 13311-13318. doi: 10.1021/acs.est.7b02838.
- Li, Y.**, S. L. Meseck, M. S. Dixon, J. M. Rose, B. C. Smith & G. H. Wikfors (2015) Short term effects of a commercial eastern oyster nursery upon nutrient and plankton dynamics of a coastal embayment: observations from mesocosm experiments. *Aquaculture Research*, 46, 2049-2064.
- Li, Y.**, S. L. Meseck, M. S. Dixon, K. Rivara & G. H. Wikfors (2012) Temporal variability in phytoplankton removal by a commercial, suspended eastern oyster nursery and effects on local plankton dynamics *Journal of Shellfish Research*, 31, 1077-1089.
- Meseck, S. L., **Y. Li**, M. S. Dixon, K. Rivara, G. H. Wikfors & G. I. Luther (2012) Effects of a commercial, suspended eastern oyster nursery upon nutrient and sediment chemistry in a temperate, coastal embayment. *Aquaculture and Environment Interactions*, 3, 65-79.
- Li, Y.**, I. Sunila & G. H. Wikfors (2011) Bioactive effects of *Prorocentrum minimum* on juvenile bay scallops (*Argopecten irradians irradians*) are dependent upon algal physiological status. *Botanica Marina* 55, 19-29.
- Li, Y.**, G. Siddiqui & G. H. Wikfors (2010) Non-lethal determination of sex and reproductive condition of Eastern oysters using protein profiles of hemolymph by Proteinchip® and SELDI-TOF-MS technology. *Aquaculture*, 309, 258-264.
- Li, Y.**, D. J. Veilleux & G. H. Wikfors (2009) Particle removal by Northern bay scallops *Argopecten irradians irradians* in a semi-natural setting: Application of a flow-cytometric technique. *Aquaculture*, 296, 237-245. Doi: 10.1016/j.aquaculture.2009.08.026.

- Li, Y.** & T. J. Smayda (2001) A chlorophyll time series for Narragansett Bay: assessment of the potential effect of tidal phase on measurement. *Estuaries*, 24, 328-336.
- Li, Y.** & T. J. Smayda (2000) *Heterosigma akashiwo* (Raphidophyceae): On prediction of the week of bloom initiation and maximum during the initial pulse of its bimodal bloom cycle in Narragansett Bay. *Journal of Plankton Biology and Ecology*, 47, 80-84.
- Li, Y.** & T. J. Smayda (1998) Temporal variability of chlorophyll in Narragansett Bay, 1973 -1990. *ICES Journal of Marine Science* 55, 661-667.
- Li, Y.**, E. Swift & E. Buskey, L. (1996) Photoinhibition of mechanically stimutable bioluminescence in the heterotrophic dinoflagellate *Protoperdinium depressum* *Journal of Phycology*, 32, 974-982.
- Qi, Y., Zhang, J., Hong, Y., Lu, S., Zhu, C. and **Li, Y.** (2003). Occurrence of red tides on the coasts of China. In T. Smayda and Y. Shimizu (eds.). *Toxic Phytoplankton Blooms in the Sea*. Elsevier, Amsterdam-London-New York-Tokyo. P 43-46.
- Li, Y.**, Cheng, Zhaodi & Jin, Dexiang. 1991, New species and records of diatoms from Xiamen Harbor. *Acta Oceanologica Sinica*, Vol.17 (5): 681-685.
- Li, Y.**, Cheng, Zhaodi & Jin, Dexiang. 1990. Ecological studies on the planktonic diatoms of Xiamen Harbour, Fujian, China. *Journal of Xiamen University*, Vol. 29 (3): 358-359.

Non-peer reviewed papers and other publications

- Li, Yaqin (Judy).** 2005. Monitoring phytoplankton community composition in Long Island Sound with HPLC photopigment profiles. State of Connecticut Department of Environmental Protection Fact Sheet.
http://www.ct.gov/deep/lib/deep/water/lis_water_quality/hypoxia/phytoplanktonfactsheet.pdf
- Li, Y.**, Olsen, Christine, B., Lyman, Matthew, J., Van Heukelem, Laurie, Wikfors, Gary, Miranda, Lilibeth and Lin, Senjie. 2004. Monitoring Phytoplankton in Long Island Sound with HPLC Photopigment Profiles. Proceedings of the 7th Biennial Long Island Sound Research Conferences. University of Connecticut. P 45-54.
- Li, Yaqin.** 1996. Growth, grazing and bioluminescence of marine heterotrophic dinoflagellates. Ph. D. dissertation. Graduate School of Oceanography, University of Rhode Island. Kingston, Rhode Island.

Li, Yaqin. 1988. Dynamics of planktonic diatoms in Xiamen Harbor. M.Sc. thesis. In Chinese. Ximen University. Xiamen, China.

Recent Presentations

Judy Yaqin Li May, Kendall Barbery, Bren Smith, Mark S. Dixon, Paul Clark, Yuan Liu, Steven Pitchford, Gary H. Wikfors. 2019. Epibiotic communities on the aquacultured sugar kelp *Saccharina latissima* in Long Island Sound, USA. Aquaculture 2019, the World Aquaculture Society Triennial Conference, New Orleans, Louisiana.

Judy Yaqin Li May. 2018. Shellfish Aquaculture - Nutrient Recycling in Eutrophic Estuaries from Phytoplankton to Fish-Feed Components. Annual Science Bilateral meeting between NOAA and the Norwegian Institute of Marine Research (IMR), Woods Hole, Massachusetts.

Judy Yaqin Li May, Bren Smith, Mark S. Dixon, Paul Clark, Yuan Liu, Steven Pitchford, Gary H. Wikfors. 2018. Epiphytes and epifauna on aquacultured sugar kelp *Saccharina latissima* on the Connecticut coast. The 38th Milford Aquaculture Seminar, Shelton, Connecticut.

Yaqin Li. 2017. Natural phytoplankton as shellfish food. Milford Microalgal Workshop. Milford, Connecticut.

Yaqin(Judy) Li, Mark Dixon, Barry Smith, Gary Wikfors. 2017. Closer to the truth -- chlorophyll *a* from *in vivo* fluorescence based sensors. Northeast Aquaculture Conference & Exposition and the 37th Milford Aquaculture Seminar. Providence, Rhode Island.

Shannon L. Meseck, Mark Dixon, Jennifer Alix, Judy **Yaqin Li,** Yuan Liu, Barry Smith, Gary H. Wikfors, Tonie Simmons. 2017. Biological and chemical changes in algal concentrates: what does this mean to oysters? Northeast Aquaculture Conference & Exposition and the 37th Milford Aquaculture Seminar. Providence, Rhode Island.

Judy Yaqin Li, Mark S. Dixon, Barry Smith, Gary H. Wikfors. (presentation given by Lisa Milke) 2017. Quantifying bivalve shellfish food availability by Chlorophyll *a* with *in vivo* fluorescence-based sensors – what needs to be considered? National Shellfish Association 109th annual meeting, March 26 - 30 2017, Knoxville, Tennessee.

Judy Yaqin Li, Matthew Lyman, Jason Krumholz, and Gary H. Wikfors, 2016. Temporal and spatial variability in phytoplankton physiology in Long Island Sound – relevance to shellfish aquaculture activities. 36th Milford Aquaculture Seminar. Shelton, Connecticut.

- Mark S. Dixon, Julie M. Rose, **Judy Yaqin Li May**, Shannon L. Meseck, Kyla Kelly, Gary H. Wikfors, 2016. A comparison of filtration and assimilation rates of ribbed mussels, *Geukensia demissa*, and spat-sized oysters, *Crassostrea virginica*, in the lower Providence River. 36th Milford Aquaculture Seminar. Shelton, Connecticut.
- Shannon Meseck, **Judy Yaqin Li May**, Mark Dixon, Inke Sunila, Christine Lipsky, Justin Stevens, Paul Music and Gary Wikfors, 2016, Characterizing chemical and biological parameters in Penobscot Bay before, during and after the release of Atlantic salmon (*Salmo salar*). The 2016 Atlantic Salmon Ecosystems Forum. University of Maine, Orono, Maine.
- Gary Wikfors, Shannon L. Meseck, and **Judy Yaqin Li May** 2016. That Flupsy in my bay, should I be worried about it? PCSGA meeting, Chelan, WA, October 2016.
- Gary H. Wikfors, **Judy Li May**, Julie M. Rose, Shannon L. Meseck 2016. New Insights Into Eutrophication In Long Island Sound. 2016 Long Island Sound Research Conference. May 13 2016, Bridgeport, Connecticut.
- Mark Dixon, Genevieve Bernatchez, Eve Galimany, **Judy Yaqin Li**, Shannon Meseck, Julie M. Rose and Gary H. Wikfors. 2015. Direct measurements of the nutrient management potential of ribbed mussels, *Geukensia demissa*, at two sites in upper Narragansett Bay, Rhode Island. 35th Milford Aquaculture Seminar. Portland, Maine.
- Judy Yaqin Li**, Mark S. Dixon, Shannon L. Meseck, Barry Smith, Julie M. Rose, and Gary H. Wikfors. 2015. *In vivo* fluorescence based chlorophyll *a* measurements - how close are we to the truth? 35th Milford Aquaculture Seminar. Portland, Maine.
- Michale Rubino, Julie M. Rose, Mark S. Dixon and **Judy Yaqin Li**, 2014, Improving water quality in estuaries using bivalve shellfish aquaculture. Restore America's Estuaries 7th National Summit on Coastal and Estuarine Restoration and 24th Biennial Meeting of the Coastal Society. November 1-6, 2014. Washington, D.C.
- Yaqin Li**, Shannon L. Meseck, Mark S. Dixon, Genevieve Bernatchez, Julie M. Rose, Eve Galimany, Marguerite Petit, and Gary H. Wikfors. 2014. The importance of considering primary productivity in bivalve aquaculture site selection – an example from the Bronx, New York. 34th Milford Aquaculture Seminar. Shelton, CT.
- Li, Yaqin**. 2014. Phytoplankton, coastal environment, and shellfish aquaculture. Xiamen University, Xiamen, China.

Professional Affiliations

Member, Phycological Society of America

Member, National shellfish Association

Professional and Agency Services

- Team member (subsequently panelist), 2017-, NEFSC Research and Development Internal Temporary Fund.
- Team member, 2017, NEFSC Ecosystem Based Fisheries Management (EBFM) Roadmap.
- Panel member, 2016, Sea Grant Aquaculture Research Proposal Panel, Silver Spring, Maryland.
- Panel member, CT Sea Grant 2016-2018, Independent Science Research Pre-Proposal Technical Review Panel.
- Panel member, 2012 and 2013, USDA National Food and Agriculture Institution, Aquaculture Research Panel, Washington DC.
- Committee member, 2010 – 2013, Human Resources Committee, NEFSC
- Committee member, 2010- Fisheries and Aquaculture subcommittee, Ecosystem Indicator Partnership, The Gulf of Maine Council on the Marine Environment.