



CURRICULUM VITAE DI JIN

Senior Scientist
Marine Policy Center
Mail Stop 41
Woods Hole Oceanographic Institution
Woods Hole, MA 02543-1138

Telephone: (508) 289-2874
Fax: (508) 457-2184
e-mail: djin@whoi.edu

EDUCATION

Ph.D., Economics-Marine Resources, University of Rhode Island, 1991.
M.M.A., Marine Affairs, University of Rhode Island, 1987.
B.S., Naval Architecture and Ocean Engineering, Shanghai Jiao Tong University, 1982.

PROFESSIONAL EXPERIENCE

Senior Scientist, Woods Hole Oceanographic Institution, 2008-present.
Associate Scientist (with tenure), Woods Hole Oceanographic Institution, 2001-2008.
Associate Scientist (without tenure), Woods Hole Oceanographic Institution, 1997-2001.
Assistant Scientist, Woods Hole Oceanographic Institution, 1993-1997.
Postdoctoral Research Fellow, Woods Hole Oceanographic Institution, 1991-1993.
Research Assistant, University of Rhode Island, 1987-1991.
Assistant Engineer, China State Shipbuilding Corporation, 1982-1986.

HONORS

Outstanding Social Science Ph.D. Dissertation Award, National Sea Grant Association, 1992.
The Honor Society of Phi Kappa Phi, 1989.

PROFESSIONAL ASSOCIATIONS

American Economic Association
Association of Environmental and Resource Economists
Agricultural and Applied Economics Association

RESEARCH INTERESTS

Resource and environmental economics; ocean and coastal management; fisheries and aquaculture; offshore oil and gas exploration and production; marine transportation; marine safety; integrated economic and ecological models; integrated economic and geological models.

REFEREED JOURNAL ARTICLES

Hutcheson, W., P. Hoagland and D. Jin. 2018. Valuing environmental education as a cultural ecosystem service at Hudson River Park. *Ecosystem Services*, In press.

- Dalton, T. and D. Jin. 2018. Attitudinal factors and personal characteristics influence support for shellfish aquaculture in Rhode Island (US) coastal waters. *Environmental Management*, In press.
- Thlusty, M.F., B. Wikgren, K. Lagueux, H. Kite-Powell, D. Jin, P. Hoagland, R.D. Kenney and S.D. Kraus. 2018. Co-occurrence mapping of disparate data sets to assess potential aquaculture sites in the Gulf of Maine. *Reviews in Fisheries Science & Aquaculture* 26(1):70-85.
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- Dalton, T., D. Jin, R. Thompson and A. Katzanek. 2017. Using normative evaluations to plan for and manage shellfish aquaculture development in Rhode Island coastal waters. *Marine Policy* 83:194–203.
- Zheng, Y., W.K. Talley, D. Jin and M. Ng. 2016. Crew injuries in container vessel accidents. *Maritime Policy and Management* 43(5):541-551.
- Jin, D, G. DePiper and P. Hoagland. 2016. Applying portfolio management to implement ecosystem-based fishery management. *North American Journal of Fisheries Management* 36(3):652-669.
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- Yip, T.L., D. Jin and W.K. Talley. 2015. Determinants of injuries in passenger vessel accidents. *Accident Analysis & Prevention* 82:112–117.
- Byron, C.J., D. Jin and T.M. Dalton. 2015. An integrated ecological-economic modeling framework for the sustainable management of oyster farming. *Aquaculture* 447:15–22.
- Huang, W., J. Corbett and D. Jin. 2015. Regional economic and environmental analysis as a decision support for marine spatial planning in Xiamen. *Marine Policy* 51:555-562.
- Hoagland, P., D. Jin, A. Beet, B. Kirkpatrick, A. Reich, S. Ullmann, L.E. Fleming and G. Kirkpatrick. 2014. The human health effects of Florida red tide (FRT) blooms: an expanded analysis. *Environment International* 68:144–153.
- Jin, D. 2014. The determinants of fishing vessel accident severity. *Accident Analysis & Prevention* 66:1-7.
- Rao, H., C. Lin, H. Kong, D. Jin and B. Peng. 2014. Ecological damage compensation for coastal sea area uses. *Ecological Indicators* 38:149–158.

- Jin, D., A.D. Ashton and P. Hoagland. 2013. Optimal responses to shoreline changes: an integrated economic and geological model with application to curved coasts. *Natural Resource Modeling* 26(4):572-604.
- Hoagland, P., H.L. Kite-Powell, D. Jin and A.R. Solow. 2013. Supply-side approaches to the economic valuation of coastal and marine habitat in the Red Sea. *Journal of King Saud University - Science* 25(3):217–228.
- Peng, B., C. Lin, D. Jin, H. Rao, Y. Jiang and Y. Liu. 2013. Modeling the total allowable area for coastal reclamation: a case study of Xiamen, China. *Ocean and Coastal Management* 76:38-44.
- Jin, D., P. Hoagland and B. Wikgren. 2013. An empirical analysis of the economic value of ocean space associated with commercial fishing. *Marine Policy* 42:74-84.
- Talley, W.K., T.L. Yip and D. Jin. 2012. Determinants of vessel-accident bunker spills. *Transportation Research Part D: Transport and Environment* 17(8):605-609.
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- Jin, D. 2012. Aquaculture and capture fisheries: a conceptual approach toward an integrated economic-ecological analysis. *Aquaculture Economics and Management* 16(2):167-181.
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- Jin, D. and J. Lin. 2011. Managing tsunamis through early warning systems: a multidisciplinary approach. *Ocean and Coastal Management* 54(2):189-199.
- Portman, M.E., D. Jin and E. Thunberg. 2011. The Connection between fisheries resources and spatial land use change: the case of two New England fish ports. *Land Use Policy* 28(3):523-533.
- Dalton, T. and D. Jin. 2010. Extent and frequency of vessel oil spills in U.S. marine protected areas. *Marine Pollution Bulletin* 60(11):1939-1945.
- Wang, X., W. Chen, L. Zhang, D. Jin and C. Lu. 2010. Estimating the ecosystem service losses from proposed land reclamation projects: a case study in Xiamen. *Ecological Economics* 69(12):2549-2556.
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34(2):309-319.

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Portman, M.E., D. Jin and E. Thunberg. 2009. Waterfront land use change and marine resource conditions: the case of New Bedford and Fairhaven, Massachusetts. *Ecological Economics* 68(8-9):2354-2362.

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Jin, D. and P. Hoagland. 2008. The value of harmful algal bloom predictions to the nearshore commercial shellfish fishery in the Gulf of Maine. *Harmful Algae* 7(6):772-781.

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Kite-Powell, H.L. and D. Jin. 1994. Economics of research vessels and implications for fleet planning. *Marine Technology Society Journal* 28(4):34-38.

Jin, D., H.L. Kite-Powell and J.M. Broadus. 1994. Dynamic economic analysis of marine pollution prevention technologies: an application to double hulls and electronic charts. *Environmental and*

Resource Economics 4(6):555-580.

Jin, D. 1994. Multimedia waste disposal optimization under uncertainty with an ocean option. *Marine Resource Economics* 9(2):119-139.

Jin, D. and T.A. Grigalunas. 1993. Environmental compliance and optimal oil and gas exploitation. *Natural Resource Modeling* 7(4):331-352.

Jin, D. 1993. Supply and demand of new oil tankers. *Maritime Policy and Management* 20(3):215-227.

Jin, D. and T.A. Grigalunas. 1993. Environmental compliance and energy exploration and production: application to offshore oil and gas. *Land Economics* 69(1):82-97.

BOOK CHAPTERS AND OTHER PUBLICATIONS

Howard, J., E. Babij, R. Griffis, B. Helmuth, A. Himes-Cornell, P. Niemier, M. Orbach, L. Petes, S. Allen, G. Auad, R. Beard, M. Boatman, N. Bond, T. Boyer, D. Brown, P. Clay, K. Crane, S. Cross, M. Dalton, J. Diamond, R. Diaz, Q. Dortch, E. Duff y, D. Fauquier, W. Fisher, M. Graham, B. Halpern, L. Hansen, B. Hayum, S. Herrick, A. Hollowed, D. Hutchins, E. Jewett, D. Jin, N. Knowlton, D. Kotowicz, T. Kristiansen, P. Little, C. Lopez, P. Loring, R. Lumpkin, A. Mace, K. Mengerink, J.R. Morrison, J. Murray, K. Norman, J. O'donnell, J. Overland, R. Parsons, N. Pettigrew, L. Pfeiffer, E. Pidgeon, M. Plummer, J. Polovina, J. Quintrell, T. Rowles, J. Runge, M. Rust, E. Sanford, U. Send, M. Singer, C. Speir, D. Stanitski, C. Thornber, C. Wilson and Y. Xue. 2013. Oceans and marine resources in a changing climate. *Oceanography and Marine Biology: An Annual Review* 51:71-192.

Jin, D., H. Kite-Powell and W.K. Talley. 2012. Chapter 17: Safety in Shipping. In W.K. Talley ed. *The Blackwell Companion to Maritime Economics*, Wiley-Blackwell.

Sherman, K., I. Belkin, S. Seitzinger, P. Hoagland, D. Jin, M.C. Aquarone and S. Adams. 2009. Indicators of changing states of large marine ecosystems. Pages 13-49 in K. Sherman, M.C. Aquarone and S. Adams ed. *Sustaining the Worlds' Large Marine Ecosystems*. IUCN, Gland, Switzerland.

Jin, D., H. Kite-Powell and W.K. Talley. 2008. Chapter 4: US Ship Accident Research. Pages 55-71 in W.K. Talley ed., *Maritime Safety, Security and Piracy*. Informa, London.

Jin, D. 2008. Chapter 6: Economic Models of Potential U.S. Offshore Aquaculture Operations. In *Offshore Aquaculture in the United States: Economic Considerations, Implications and Opportunities*. NOAA Aquaculture Program, Silver Spring, MD.

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Hoagland, P., D. Jin, E. Thunberg and S. Steinback. 2005. Economic activity associated with the Northeast Shelf Large Marine Ecosystem: application of an input-output approach. Pages 157-179 in T. Hennessey and J. Sutinen, eds. *Sustaining Large Marine Ecosystems: The Human Dimension*. Elsevier Science.

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Hoagland, P., K.M. Riaf, D. Jin and H.L.Kite-Powell. 2003. A comparison of access systems for natural resources: drawing lessons for ocean aquaculture in the US Exclusive Economic Zone. Pages 23-44 in C.J. Bridger and B.A. Costa-Pierce, eds. *Open Ocean Aquaculture: From Research to Commercial Reality*. The World Aquaculture Society, Baton Rouge, Louisiana, United States.

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Computers and Industrial Engineering

Continental Shelf Research

Copeia

Ecology and Society

Ecological Economics

Ecological Indicators

Economic Systems Research

Environmental and Resource Economics

Environmental Development

Environmental Management

Estuarine, Coastal and Shelf Science

European Journal of Operational Research
Fisheries Research
Frontiers in Ecology and the Environment
International Economic Journal
International Journal of Environmental Research and Public Health
International Journal of Offshore and Polar Engineering
Journal of Coastal Research
Journal of Environmental Economics and Management
Journal of Environmental Management
Journal of Integrated Coastal Zone Management
Journal of the World Aquaculture Society
Management of Biological Invasions
Marine Policy
Marine Pollution Bulletin
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Medical Science Monitor
Natural Resource Modeling
Nature Ecology & Evolution
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North American Journal of Fisheries Management
Ocean and Coastal Management
Ocean Engineering
Oil & Gas Science and Technology
Proceedings of the National Academy of Sciences
Regional Science and Urban Economics
Risk Analysis
Safety Science
Social Sciences
Society and Natural Resources
Sustainability
Transportation Research Part E

OTHER APPOINTMENTS

Adjunct Professor, Intercampus Graduate School of Marine Sciences and Technology,
University of Massachusetts, 2002-2011.

Member, International Academic Advisory Committee, Coastal and Ocean Management Institute,
Xiamen University, 2006-2017.

Member, *Ocean & Coastal Management* Editorial Board, 2016-present.