

Curriculum Vitae

James J. Opaluch

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Educational History:

Univ of Calif, Berkeley	Ph.D.	1981	Ag & Resource Econ
Univ of Calif, Berkeley	M.A.	1977	Statistics
University of Rhode Island	B.A.	1975	Economics

Professional Activities and Honors

Professor, Dept of Resource Economics, University of Rhode Island.

Director of Graduate Studies, University of Rhode Island, Department of Resource Economics, 1990-1997.

US EPA Science Advisory Board, Hypoxia Advisory Panel, 2006-2007.

Associate Editor, Agricultural and Resource Economics Review, 2005-present.

National Science Foundation, Biocomplexity Review Panel, MUSES Program, 2005.

National Science Foundation, Chair of Site Visit Review Panel, Center for Decision Making Under Uncertainty, 2004.

US Environmental Protection Agency Science Advisory Board, Environmental Economics Advisory Committee, 2003-2006.

National Science Foundation, BioComplexity Program Review Panel, 2001.

National Academy of Science, Panel on PCB Contaminated Sediments, 1999-2000

National Academy of Science, Planning Committee on Wetlands Functions and Values, 2000.

National Science Foundation, BioComplexity Program Review Panel, 2000.

Associate Editor, American Journal of Agricultural Economics, 1997-2000.

Advisor to Master Thesis Honorable Mention, Amer. Ag Econ Assoc., 1993.

Advisor to Master Thesis Award of Merit, NE Assoc. of Ag and Res Econ, 1992.

President, Northeast Assoc. of Agricultural and Resource Economists, 1992- 1995.

Advisor to PhD Dissertation Award Winner, American Agricultural Economics Assoc., 1991.

Advisor to Master Thesis Award Winner, NE Assoc. of Ag and Res Econ, 1991.

Research Scientist of the Year, University of Rhode Island CRD, 1990.

Vice President, Association of Environmental and Resource Economists, 1990 - 1992.

US Minerals Management Service Social Science Research Panel, 1992.

National Academy of Sciences, National Research Council, Panels to Evaluate the Adequacy of Environmental Information in California, Florida, Georges Banks and Alaska, 1989 - 1993.

Professional Activities and Honors (Con't)

Outstanding Service Award, Northeast Agricultural and Resource Economics Assoc.
Associate Editor, Journal of Environmental Economics and Management 1987 - 1990.
Editorial Board Northeastern Journal of Agricultural and Resource Economics 1988 - 1991.
Board of Directors, Northeast Agricultural and Resource Economics Association, 1988 - 1991.
National Academy of Sciences, National Research Council, Member of Panel to Evaluate the U.S.
Department of Interior Environmental Studies Program, 1988 - 1991.
Executive Board, Center for Ocean Management Studies.
Assoc. of Env. and Res. Econ. Workshop Steering Committee, 1987 - 1990. (Chairman, 1989-1990).
Advisor to Master Thesis Honorable Mention, American Agricultural Economics Assoc., 1986.
Governing Board Associate, American Agricultural Economics Association Foundation.
External Examiner, University Pertanian Malaysia Graduate School, 1987 - Present.
Outstanding Ph.D. Dissertation, American Agricultural Economics Assoc., 1981.
Hilgard Fellowship, University of California, Berkeley, 1976.
McErney Scholarship, University of California, Berkeley, 1975.

Grants and Contracts

US Department of Homeland Security, 2005-2006. "Impacts of New Security Regulations and Port Disruptions on the US Economy". \$377 thousand (with Thomas Grigalunas and Christopher Anderson).

National Science Foundation, 2005-2011. "IGERT: Assessing Change in Coastal Ecosystems: Integrating Natural and Social Sciences", \$3.02 million (with Peter August, Richard Burroughs, Candice Oviatt and Judith Swift).

US Department of Agriculture, 2004-2006. "A Risk-Based Approach to Managing the Intentional Introduction of Non-Native Species", \$220 thousand (with James Anderson and Kurt Schneir).

Rhode Island Attorney General's Office, 2004. "Assessment of Property Value Losses in Palazzolo V. State Of Rhode Island et al." \$3,500.

US Army Corps of Engineers, 2003. Impacts to Commercial and Recreational Fisheries from Disposal of Dredging Sediments (with Thomas Grigalunas).

US Environmental Protection Agency, 2002-2005. Assessment of Climate Change Impacts in the Mid-and Upper-Atlantic Region: A Cape Cod Case Study. \$225 thousand. (With Robert Thompson).

National Oceanic and Atmospheric Administration, 2001-2003. Field Testing of a Mechanical Seeding Machine for the Propagation of *Zostera marina* L. from Seed-An Ecological and Economic Assessment \$205 thousand. (With Scott Nixon, Steve Grand, Betty Buckley, and Michael Traber).

Grants and Contracts (Con't)

- Sea Grant. A Prototype Decision Support System for Coastal Development, 2001-2003. \$300 thousand (with Peter August, Virginia Lee, Robert Thompson and Robert Johnston).
- University of Rhode Island Transportation Center. Comprehensive Framework for Sustainable Container Ports Development of US East Coast in the 21st Century, \$75 thousand (with T. Grigalunas, Y.T. Chang and P. August) 1999-2000.
- U.S. Environmental Protection Agency. Review of Economic Analysis of Effluent Guidelines for Machine Products and Machinery Industry, \$3 Thousand. 1999.
- Army Corps of Engineers. Economic Assessment of Dredge Disposal Site in Narragansett Bay and Block Island Sound, \$25 Thousand, 1999 (with T. Grigalunas).
- National Science Foundation. Combining Economic and Ecological Indicators to prioritize Wetlands Restoration Projects within a Spatial GIS Framework. \$475 Thousand. 1999-2002 (with Marisa Mazzotta, P. August, F. Golet, and R. Johnston).
- University of Maryland Cooperative Extension Service. A Handbook for Assessing Large Scale Marine Ecosystems. \$50 thousand. 1998-1999 (with T. Grigalunas, J. Gates and M. Mazzotta).
- Inter-American Development Bank. A Framework for Sustainable Tourism Development: Discussion Paper. \$20 thousand. 1998-1999 (with T. Grigalunas and T. Tyrrell).
- US Environmental Protection Agency. Environmental Policy and Endogenous Technical Change. \$325 thousand. 1998-2001 (with T. Grigalunas and D. Jin).
- Korean Government, Korean-American Marine Policy Research Initiative, \$1.5 Million. 1998-2002 (with T. Grigalunas and Y.T. Chang).
- Vertex Engineering. Damage Assessment for the Torch Oil Spill. 1998 - 1999.
- US Environmental Protection Agency. Developing Conjoint Stated Preference Methods. \$126 thousand. 1995-1998 (with S. Swallow).
- Freehill, Hogan and Mahar. Damage Assessment for the North Cape Oil Spill. 1996-1998 (with T. Grigalunas).
- Accident and Casulty Insurance Co. Damage Assessment for Numerous Cases of Hazardous Waste Contamination, 1994 - 1997.
- Westinghouse Electric. Damage Assessment of Southern California Bight DDT and PCB Pollution, 1994 – 1996 (with T. Grigalunas).
- Peconic Estuaries Program and US EPA. Recreational Use and Economic Assessment of the Peconic Estuary, 1995-1998 (with T. Grigalunas).
- Water Quality Insurance Syndicate. Evaluation of the NOAA Natural Resource Damage Assessment Regulations under the Oil Pollution Act, 1994-1995 (with T. Grigalunas).

Grants and Contracts (Con't)

US Agency for International Development, Training Workshop on Valuation of Natural Resources, Poland. 1994.

United Nations, Workshop on Nonmarket Valuation Methods and Integrated Coastal Management, Africa. 1993-1996 (with T. Grigalunas).

US Environmental Protection Agency, Evaluation of *Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies* 1993.

Freehill, Hogan, and Mahar, Damage Assessment of the Tampa Oil Spill 1993 - 1996.

US Dept of Agriculture, CSRS, Nitrogen Leaching and Aquifer Protection. \$135 thousand. 1993-1995 (with A. Gold and J. Gorres).

Sea Grant, Decision Analysis and Natural Resource Restoration. \$7.5 thousand. 1992-1993 (with M. Mazzotta).

Rapport Meyers, Griffen & Whitbeck, Damage Assessment of the CIBRO SAVANNAH oil spill, 1992-present.

National Oceanic and Atmospheric Administration, Review Panel for Natural Resource Damage Assessment Model.

Haight, Gardner, Poor and Havens, Damage Assessment of the AMERICAN TRADER Oil Spill, 1992.

Pacific Resources, Inc., Damage Assessment of the EXXON HOUSTON Oil Spill, 1992 (with T. Grigalunas).

Haight, Gardner, Poor and Havens, Damage Assessment of the BT NAUTILUS Oil Spill, 1991-93 (with T. Grigalunas and J. Diamantides).

Exxon Corporation, Damage Assessment of the EXXON VALDEZ Oil Spill, 1989-91 (with T. Grigalunas).

Haight, Gardner, Poor and Havens, Damage Assessment of the SANTA CLARA Hazardous Substance Release.

Freehill, Hogan, and Mahar Damage Assessment of the PRESIDENTE RIVERA Oil Spill, 1990-93 (with T. Grigalunas).

Sause Brothers Shipping, Damage Assessment of the NESTUCCA Oil Spill, 1989-92 (with T. Grigalunas).

Grants and Contracts (Con't)

- Freehill, Hogan, and Mahar, Damage Assessment of the APEX HOUSTON Oil Spill, 1989-94 (with T. Grigalunas).
- Rhode Island Office of the Attorney General, Damage Assessment of the WORLD PRODIGY Oil Spill, 1989-90 (with T. Grigalunas).
- Rhode Island Solid Waste Management Corporation, Procedures for Landfill Siting. \$90 thousand. 1989-1990 (with T. Weaver, S. Swallow, and D. Wichelns).
- U.S. Dept of Interior, Water Resources Center, The Potential Role of Pricing Structures in Water Conservation. \$46 thousand. 1989-1990 (with D. Wichelns).
- U.S. Department of Interior, The Type 'A' Damage Assessment Framework for the Great Lakes Environment 1988-1989 (with T. Grigalunas, R Reid and D. French).
- American Petroleum Institute, Economic Analysis of Proposed EPA Regulations of OCS Oil and Gas Drilling Fluids and Cuttings, 1988 (with T. Grigalunas).
- U.S. Environmental Protection Agency, An Integrated Aquifer Approach for Managing Leaks from Underground Storage Tanks 1985.
- U.S. Department of Interior, Office of the Solicitor An Integrated Ocean Systems/Economic Model for Evaluating Damages from Spills of Oil and Hazardous Substances, 1985-87 (with T. Grigalunas, M. Reid and D. French).
- ACS Industries, Report on Wastewater Treatment Costs. 1986.
- U.S. Department of Interior, Minerals Management Service Evaluating the Environmental Costs of OCS Oil Development from the Proposed 5-Year Lease Plan. 1984-86 (with T. Grigalunas).
- Sea Grant, Costs and Benefits of Alternative Wastewater Management Strategies in the Upper Narragansett Bay, \$157 thousand 1983-85 (with G. Anderson and T. Tyrrell).
- Western Consortium of Health Professionals, Evaluation of Manuscripts Concerning Health Risks from Pesticides. 1984.
- U.S. Environmental Protection Agency, Evaluation of Affordability Analyses Under the Clean Water Act. 1983.

Publications in Refereed Journals

- Managi, S., J.J. Opaluch, D. Jin, and T.A. Grigalunas. (forthcoming) Stochastic Frontier Analysis of Total Factor Productivity in the Offshore Oil and Gas Industry. Accepted for publication in *Ecological Economics*
- Managi, S., J.J. Opaluch, D. Jin, and T.A. Grigalunas. (forthcoming) "Alternative Technology Indexes in the Offshore Oil and Gas Industry", accepted for publication in *Applied Economics Letters*.

Publications (Con't)

- Grigalunas, Thomas A., James J. Opaluch and Young Tae Chang, 2005. "Who Gains and Who Pays for Channel Deepening?" *Transportation Research Record*, Transportation Research Board of the National Academy of Sciences, No. 1909, pp 62-69.
- Johnston, Robert J., James J. Opaluch, Gisele Magnusson and Marisa Mazzotta, 2005. "Who Are Resource Nonusers and What Can They Tell Us About Nonuse Values?" In press *Water Resources Research* Vol. 41 No 7.
- Managi, Shunsuke, James J. Opaluch, Di Jin and Thomas A. Grigalunas, 2005. "Environmental Regulations and Technological Change in the Offshore Oil and Gas Industry" *Land Economics*, 81 (2) 303-319 (May).
- Managi, Shunsuke, James J. Opaluch, Di Jin and Thomas A. Grigalunas, 2005. "Forecasting Energy Supply and Pollution from Offshore Oil and Gas Industry" *Marine Resource Economics* Vol. 19 No. 3, pp 307-332.
- Managi, Shunsuke, James J. Opaluch, Di Jin and Thomas A. Grigalunas, 2005. "Technological Change and Petroleum Exploration in the Gulf of Mexico." *Energy Policy* Vol. 33 No. 5. pp 619-632.
- Grigalunas, Thomas A., Simona Trandafir, Meifeng Luo, James Opaluch and Suk-Jae Kwon, 2004. "Port Development and the Environment: External Costs from Dredge Disposal and Air Pollution", *International Journal of Logistics and Trade*, Vol. 1 No.2, pp 111-150.
- Managi, Shunsuke, James J. Opaluch, Di Jin and Thomas A. Grigalunas, 2003. "Technological Change and Depletion in the Offshore Oil and Gas Industry" *Journal of Environmental Economics and Management*, Vol. 47 No. 2 (March)
- Johnston, Robert, Gisele Magnusson, Marisa Mazzotta and James J. Opaluch, 2002. "Combining Economic and Ecological Indicators to Prioritize Salt Marsh Restoration Actions" *American Journal of Agricultural Economics*, Vol. 84 No. 5 (December).
- Grigalunas, Thomas A., James J. Opaluch, Young-Tae Chang and Mei Feng Lou, 2001. "Environmental Costs in Container Port Development" *Transportation Research Record: Journal of the Transportation Research Board*.
- Grigalunas, Thomas A. James J. Opaluch and Mei Feng Luo, 2001. "Economic Framework of Dredging Window: Framework, Model and Examples" *Journal of Dredging Engineering*
- Grigalunas, Thomas A., Young-Tae Chang, and James J. Opaluch, 2001. "Sustainable Financing for Controlling Tranboundary Pollution by Shipping in the Malacca Straits – Options and Implications" *International Journal of Maritime Economics* Vol. 11 No.4 pp 331-350.

Publications (Con't)

- Johnston, R.J., J.J. Opaluch, T.A. Grigalunas, and M.J. Mazzotta. 2001. "Estimating Amenity Benefits of Coastal Farmland." *Growth and Change* 32: 305-325.
- Johnston, R.J., T.A. Grigalunas, J.J. Opaluch, J. Diamantides, and M. Mazzotta. 2001. "Valuing Estuarine Resource Services Using Economic and Ecological Models: The Peconic Estuary System Study." *Coastal Management* 30(1).
- Grigalunas, Thomas A., James J. Opaluch and Matthew Luo, 2001. "Assessing Fisheries Impacts from Disposal of Dredged Sediments" *Ecological Economics* Vol. 38 pp 47-58.
- Swallow, Stephen K., James J. Opaluch and Thomas F. Weaver, 2001. "Strength of Preference Indicators and an Ordered-Response Model for Ordinarily Dichotomous, Discrete Choice Data" *Journal of Environmental Economics and Management* Vol. 41 No. 1 (January).
- Grigalunas, Thomas A., James J. Opaluch, Jerry Diamantides and Marisa Mazzotta, 1998. Liability for Oil Spill Damages: Issues, Methods and Examples" *Coastal Management* Vol. 26 No. 2 (April).
- Grigalunas, Thomas A., James J. Opaluch, Young-Tae Chang, and Suk-Jae Kwon, 1998. "Natural Resource Damage Assessment—Implications for Korea", *Korean Observer*.
- Mazzotta, Marisa J. and James J. Opaluch, 1995. "Decision Making When Choices Are Complex: A Test of Heiner's Hypothesis" *Land Economics* Vol. 71 No. 4 (November).
- Swallow, Stephen K., Thomas F. Weaver, James J. Opaluch and Thomas S. Michelman, 1994. "Heterogeneous Preferences and Aggregation for Environmental Policy Assessment: A Landfill Siting Case" *American Journal of Agricultural Economics* Vol. 76, No. 3 (August).
- Mazzotta, Marisa J., James J. Opaluch and Thomas A. Grigalunas, 1994. "Natural Resource Damage Assessment: The Role of Resource Restoration", *Natural Resources Journal* Vol. 34 No. 1 (Winter).
- Opaluch, James J., 1993. "New Work on Benefits of Environmental Regulations: Discussion" *American Journal of Agricultural Economics* Vol. 75 No. 5 (December).
- Wichelns, Dennis, James J. Opaluch, Stephen K. Swallow, Thomas F. Weaver and Christopher W. Wessells, 1993. "A Landfill Site Evaluation Model that Includes Public Preferences Regarding Natural Resources and Nearby Communities" *Waste Management & Research*, Vol 11, pp 185-201.

Publications (Con't)

- Opaluch, James J., Stephen K. Swallow, Thomas Weaver, Christopher Wessells and Dennis Wichelns, 1993. "Evaluating Impacts from Noxious Facilities: Including Public Preferences in Current Siting Mechanisms" *Journal of Environmental Economics and Management* Vol. 24 No. 1 (January).
- Swallow, Stephen K., James J. Opaluch and Thomas F. Weaver, 1992. "Siting Noxious Facilities: An Approach that Integrates Technical, Economic and Political Considerations" *Land Economics* Vol. 68, No. 3 (August) pp 283-301.
- Opaluch James J. and Kathleen Segerson, 1991. "Aggregate Analysis of Site-Specific Pollution Problems: The Case of Groundwater Contamination from Agriculture" *Northeastern Journal of Ag and Resource Economics*, Vol. 20 No. 1 (April).
- Opaluch, James J. and Kathleen Segerson, 1989. "Rational Roots of 'Irrational' Behavior: New Theories of Economic Decision-Making" *Northeastern Journal of Ag and Resource Economics* Vol. 18 No. 2 (October).
- Grigalunas, Thomas A. and James J. Opaluch, 1989. "Adaptation of an Integrated, Ocean Systems/Economics Damage Assessment Model to Korea: Some Preliminary Results" *Ocean and Shoreline Management*.
- Grigalunas, Thomas A. and James J. Opaluch, 1989. "Managing Contaminated Marine Sediments: Economic Considerations" *Marine Policy* Vol. 13 No. 4 (October).
- Opaluch, James J. and Kathleen Segerson, 1988. "Hicksian Welfare Measures Within a Regret Theory Framework" *American Journal of Agricultural Economics* Vol. 70 No. 5 (December).
- Opaluch, James J., 1988. "Marine Pollution and Environmental Damage Assessment: Introduction" *Journal of Marine Resource Economics* Vol. 4 No. 2
- Grigalunas, Thomas A., James J. Opaluch, Deborah French, and Mark Reed, 1988. "Perspective on Validating the NRDAM/CME" *Journal of Oil and Chemical Pollution* Vol. 5 No. 1.
- Grigalunas, Thomas A., James J. Opaluch, and Timothy J. Tyrrell 1988. "The Economic Damages Component of the CERCLA Type A Model System" *Journal of Oil and Chemical Pollution* Vol. 5 No. 1.
- Reed, Mark, Deborah French, Thomas Grigalunas, James Opaluch and Bruce Hogan, 1988. "Overview of a Natural Resource Damage Assessment Model System for Coastal and Marine Environments" *Journal of Oil and Chemical Pollution* Vol. 5 No. 1.

Publications (Con't)

- Grigalunas, Thomas A., James J. Opaluch, Deborah French and Mark Reed, 1988. "Measuring Damages to Marine Natural Resources from Pollution Incidents Under CERCLA: Application of an Integrated Ocean Systems/Economic Model" *Journal of Marine Resources* Vol. 5 No. 1 (Spring).
- Gold, Arthur, Thomas Weaver, Edwin Porter, and James Opaluch, 1988. "Potential Water Use Conflicts Generated by Irrigated Agriculture in Rhode Island" *Northeast Journal of Agricultural and Resource Economics* Vol. 17 No. 1 (Spring).
- Grigalunas, Thomas A. and James J. Opaluch, 1988. "Assessing Liability for Damages Under CERCLA: A New Approach for Providing Incentives for Pollution Avoidance?" *Natural Resources Journal* Vol. 28 No. 3 (July).
- Opaluch, James J. and Richard M. Kashmanian, 1985. "Assessing the Viability of Marketable Permits: An Application in Hazardous Waste Management." *Land Economics* Vol. 61 No. 3. August.
- Anderson, Glen D., James J. Opaluch, and Michael Sullivan "Nonpoint Agricultural Pollution: Pesticide Contamination of Groundwater Supplies" *Amer. Journal of Ag. Econ.* Vol. 67 No. 5, December 1985.
- Opaluch, James J., 1984. "The Use of Liability Rules in Controlling Hazardous Waste Accidents: Theory and Practice" *J. of the Northeast Ag and Resource Econ. Assoc.* Vol. 13 No. 2 Oct.
- Opaluch, James J., 1984. "Valuing Natural Resource and Environmental Amenities: Can Economic Valuation Techniques be Made Defensible" *J. of the Northeast Ag and Resource Econ. Assoc.* Vol. 13 No. 2 Oct.
- Opaluch, James J. and Thomas A. Grigalunas, 1984. "Controlling Stochastic Pollution Events with Liability Rules: Some Evidence from OCS Leasing" *Rand Journal of Economics* Vol. 15 No. 1 Spring.
- Opaluch, James J., 1984. "Dynamic Aspects of Effluent Taxation Under Uncertainty" *J. of Env. Econ. and Man.* Vol 11, No.1 March.
- Opaluch, James J., 1984. "A Test of Consumer Response to Water Prices" *Land Economics* Vol 60 No.4, Nov.
- Opaluch, James J. and Nancy Bockstael, 1984. "Behavioral Modelling for Fisheries Management" *Journal of Marine Resource Economics* Vol 1, No.2. Fall.

Publications (Con't)

Nancy Bockstael and James J. Opaluch, 1983. "Discrete Modelling of Supply Response Under Uncertainty: The Case of the Fishery" *J. of Env. Econ. and Man.* Vol.13 No.3 June.

Opaluch, James J., 1982. "Urban Residential Demand for Water in the United States: Further Discussion" *Land Economics* Vol.58 No.2, May

Opaluch, James J. and Richard E. Just, 1978. "Institutional Affiliations of Contributors in Agricultural Economics" *Amer. Journal of Agricultural Economics* Vol. 59 No. 2.

Other Publications

Grigalunas, Thomas A and James J. Opaluch, 1993. "Nonuse Values in Natural Resource Damage Assessment: The NESTUCCA Oil Spill" *Proceedings of the 1993 International Oil Spill Conference.*

Mazzotta, Marisa J., James J. Opaluch and Thomas A. Grigalunas, 1993. "Resource Restoration and Natural Resource Damage Assessment" *Proceedings of the 1993 International Oil Spill Conference.*

Opaluch, James J. and Marisa J. Mazzotta, 1993. "Fundamental Issues in Benefit Transfer and Natural Resource Damage Assessment" *Proceedings of the AERE Workshop on Benefit Transfer.*

Opaluch, James J. and Thomas A. Grigalunas, 1992. "Ethical Values and Personal Preferences as Determinants of Nonuse Values: Implications for Natural Resource Damage Assessments" W133 Meetings Fifth Interim Report.

Grigalunas, Thomas and James J. Opaluch, 1999. *Natural Resource Damage Assessment and the Malacca Straits.* United Nations Development Project Publications MMP-EAS/Info/99/191.

Grigalunas, Thomas and James J. Opaluch, 1999. *Sustainable Financing for Ship-based Pollution prevention and Management in the Malacca Straits.* United Nations Development Project Publication MMP-EAS/InFO/99/193.

Grigalunas, Thomas, James J. Opaluch and Timothy Tyrrell, 1999. "Sustainable Coastal Tourism in the Caribbean and Latin America: Issues and Methods" Interamerican Development Bank.

Grigalunas, Thomas A., James J. Opaluch, Deborah French, and Mark Reed, 1988. "Perspective on Validating the NRDAM/CME" in Ward and Duffield UI New York: John Wiley & Sons.

Grigalunas, Thomas A. James J. Opaluch, Jerry Diamantides and Dong-Sik Woo, 2004. "Eutrophication in the Northeast Shelf Large Marine Ecosystem: Linking Hydrodynamic

Other Publications (Con't)

- and Economic Models for Benefit Estimation” Chapter 11 in Timothy Hennessey and Jon Sutinen, eds., *Sustaining Large Marine Ecosystems: The Human Dimension*, Elsevier Science.
- Grigalunas, Thomas A., James J. Opaluch, Meifeng Luo, 2004. “Valuing Large Marine Ecosystem Fishery Losses Because of Disposal of Sediments: A Case Study”, Chapter 12 in Timothy Hennessey and Jon Sutinen, eds., *Sustaining Large Marine Ecosystems: The Human Dimension*, Elsevier Science.
- Wessels, Christopher, James J. Opaluch, Stephen Swallow, Thomas Weaver and Dennis Wichelns, 1990. "A Landfill Site Evaluation Model: Natural Resource and Local Community Impacts" Technical Report to the Rhode Island Solid Waste Management Corporation, 2 Volumes.
- Grigalunas, Thomas A. and James J. Opaluch, 1990. "The Environment" in Farrow et al. *Managing OCS Lands: An Ocean of Controversy* New York: Taylor and Francis. Pp 59 - 81.
- Opaluch, James J. and Thomas A. Grigalunas, 1989. "OCS-Related Oil Spill Impacts on Natural Resources: An Economic Risk Assessment" *1989 Oil Spill Conference Proceedings* (February).
- Grigalunas, Thomas A. and James J. Opaluch, 1989. "Economic Impact of EPA Guidelines for OCS Drilling Fluids and Cuttings" Technical Report Submitted to American Petroleum Institute.
- Grigalunas, Thomas A. and James J. Opaluch, 1989. "Comments on EPA Funded Economic Study 'Economics Impact Analysis of Effluent Limitations for Drilling Fluids and Drill Cuttings for the Offshore Oil and Gas Industry' Technical Report Submitted to American Petroleum Institute.
- Grigalunas, Thomas A., James J. Opaluch, Deborah French and Mark Reed, 1988. "A Natural Resource Damage Assessment Model for Coastal and Marine Environments" *GeoJournal* Vol. 16 No. 3.
- Grigalunas, Thomas A., James J. Opaluch, Deborah French and Mark Reed, 1987. *Measuring Damages to Coastal and Marine Natural Resources* Technical Report Submitted to U.S. Department of Interior (2 Volumes).
- Grigalunas, Thomas A. and James J. Opaluch, 1987. "Social Cost Analysis of U.S. Outer Continental Shelf Oil Development" Appendix G in U.S. Department of Interior, Minerals Management Service. *5-Year Leasing Program Mid-1987 to Mid 1992: Proposed Final*. Washington, D.C. (April).

Other Publications (Con't)

Grigalunas, Thomas A., James J. Opaluch, Deborah French and Mark Reed, 1987. "The Natural Resource Damage Assessment Model for Coastal and Marine Environments (NRDAM/CME)" *1987 Oil Spill Conference Proceedings* (April).

Grigalunas, Thomas A., James J. Opaluch, Deborah French and Mark Reed, 1987. "A National Framework for Measuring Damages from Ocean Pollution Incidents Under Superfund" *Maritimes* Vol. 31 No. 3 (August).

Opaluch, James J., 1986. "An Integrated Aquifer Approach for Management of Leaks from Underground Storage Tanks" Technical Report Submitted to U.S. Environmental Protection Agency.

Opaluch, James J. and Richard M. Kashmanian "Clean Waters and a Prosperous Jeweler Industry" *Maritimes* Vol.27 No.1 Feb. 1983.

Opaluch James J. and Thomas A. Grigalunas "Economic Incentives Can Be Effective in Controlling Oil Spills" *Maritimes* Vol.28 No.3, August 1984.

Opaluch, James J. and Richard M. Kashmanian "Cleaning Up the Wastewaters of the Rhode Island Jewelry Industry" *In Touch*

Authored Many Staff Papers, Department of Resource Economics, Univ. of Rhode Island.

Abstracts

Grigalunas, Thomas A., James J. Opaluch, Deborah French and Mark Reed, 1986. "An Integrated Ocean Systems/Economic Model for Measuring Damages from Spills of Oil and Hazardous Substances" *American Journal of Agricultural Economics* Vol. 68 No. 5 (December).

Opaluch, James J. and Thomas A. Grigalunas "Behavioral Modeling of Firms' Behavioral Response to Strict Liability" *Amer. J. of Ag Econ* Vol. 66 No. 5, Dec. 1984.

Opaluch, James J. "River Basin Management: The Optimal Control of Water Quantity and Quality" *Amer. J. of Ag Econ.* Vol. 64 No.5, Dec. 1982.

Recent Conference Presentations

Opaluch, James J., James L. Anderson, Kurt Schnier, and Meifeng Luo, 2005. "A Risk-Based Approach to Managing the Intentional Introduction of Non Native Species" paper presented at the USDA Program for Research on the Economics of Invasive Species Management, November Washington D.C.

Recent Conference Presentations (Con't)

- Opaluch, James J., James L. Anderson, Kurt Schnier, and Meifeng Luo, 2005. "A Risk-Based Approach to Managing the Intentional Introduction of Non Native Species" paper presented at the Assoc. of Environmental and Resource Economists Workshop, June 12-15, Jackson, Wy.
- Opaluch, James J. 2004. "A Prototype Decision Support System for Coastal Management" Presented at the Annual Meetings of the American Agricultural Economics Association, Long Beach, Ca.
- Managi, Shunsuke, James J. Opaluch, Di Jin and Thomas A. Grigalunas, 2004. "Technological Change and Depletion in Offshore Oil and Gas" Presented at the World Congress of Environmental and Resource Economists, Monterey, Ca.
- Managi, Shunsuke, James J. Opaluch, Di Jin and Thomas A. Grigalunas, 2003. "Technological Change and Depletion in Offshore Oil and Gas" Institute of Operations Research and Management Science Annual Meeting, Nov. 2001, Miami, FL., Miami, FL.
- Managi, S., J.J. Opaluch, D. Jin, and T.A. Grigalunas. 2003. "Environmental Protection and Endogenous Technical Change: A Theoretical and Empirical Analysis" U.S. Environmental Protection Agency Workshop on Decision Making, Washington, D.C.
- Managi, S., J.J. Opaluch, D. Jin, and T.A. Grigalunas, 2003. "An Analysis of the Productivity of Oil and Gas Operations in the Gulf of Mexico" International Association for Energy Economics North American Conference
- James J. Opaluch, 2003. Assoc. of Environmental and Resource Economists World Congress, Panel Discussant, Monterey, California (June).
- James J. Opaluch, 2003. American Agricultural Economics Association, Panel Discussant, Annual Meetings in Long Beach, California, (August).
- Opaluch, James J. Robert Johnston, Marisa Mazzotta and Giselle Magnusson, 2003. "Linking Expert Opinion and Public Values in Prioritizing Wetlands Restoration Projects" Presented at the World Congress of Environmental and Resource Economists, Monterey, Ca.
- Opaluch, James J. Robert Johnston, Marisa Mazzotta and Giselle Magnusson, 2003. "Linking Expert Opinion and Public Values in Prioritizing Wetlands Restoration Projects" Presented at the Annual Meetings of the American Agricultural Economics Association, Long Beach, Ca.

Recent Conference Presentations (Con't)

Managi, S., J.J. Opaluch, D. Jin, and T.A. Grigalunas, 2002. "Forecasting the Energy Supply and Pollution: Policy Scenario Analysis" International Association for Energy Economics North American Conference Proceedings.

Opaluch, J.J., S. Managi, D. Jin, and T.A. Grigalunas. 2002. "Environmental Protection and Endogenous. Technical Change." EPA Workshop on Decision-Making and Valuation for Environmental Policy, Washington, DC.

Teaching

Department of Resource Economics, University of Rhode Island

EVS 610 "Multi-disciplinary Problem Solving in Coastal Ecosystems" Ph.D. Level Interdisciplinary Course

EVS 618 "Internship in Coastal Ecosystem Management" Ph.D. Level Interdisciplinary Course

REN 310 "Economics of Natural Resource Management" Undergraduate Level

REN 534 "Economics of Natural Resources" Masters Level.

REN 540 "Applied Resource Economics" Masters Level.

ECN 628 "Advanced Economic Theory" Ph.D. Level.

REN 630 "Welfare Economics", Ph.D. Level.

REN 610 "Special Topics: Environmental Economics" Ph.D. Level.

REN 634 "Economics of Resource Development II" Ph.D. Level.

REN 592 "Special Projects" Masters Level.

REN 610 "Special Topics: Contingent Valuation", Ph.D. Level.

Other Professional Activities

Rhode Island Farmland Preservation Commission, 2002-present..

Outstanding Publication Committee, American Agricultural Economics Association, 1997-2000.

Chairman, Thesis Award Committee, Northeast Assoc of Ag and Res Econ, 1989.

Water Quality Advisory Committee, Rhode Island Department of Environmental Management.

Water Supply Committee, Governors Conference on Water Policy, 1984.

Water Resources Center Coordinating Committee, 1983-Present.

Chairman, URI Homecoming Committee, 1984 - 1988.

Evaluated Cost-Benefit Analyses for U.S. EPA. 1985.

Chairman, Committee for Selected Papers and Symposia for the Annual Meetings of the Northeastern Agricultural and Resource Economics Association, 1984.

Evaluated Risk Analyses for U.S. EPA and Western Consortium of Health Professionals.

Participated in R.I. DEM's Wastewater Treatment Facility Sludge Disposal Regulations.

Evaluated Sewer Charge Structure for ACS Industries.

Testified at Public Utility Commission Hearing on Water Pricing Structure for Wakefield Water Company.

Evaluated Cranston Pretreatment Plan for Save the Bay.

Evaluated Water Pricing Structures for Rhode Island Public Interest Research Group.

Technical Advisory Committee for Rhode Island Public Interest Research Group.

Other Professional Activities (Con't)

Participated in Public Meeting on Pretreatment Standards for R.I. Jewelry Industry.
Served on numerous University Committees.
Served on numerous Professional Committees.
Served as Reviewer for over 100 Refereed Journal Articles
Served as Reviewer for 15 Sea Grant Proposals
Served as Reviewer for 8 External Ag. Experiment Station Proposals