

Curriculum Vitae

Lars J. Olson

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Education: Ph.D. Economics, Cornell University, Ithaca, N.Y., January, 1988.
M.A. Economics, Cornell University, Ithaca, N.Y., August, 1985.
B.A. Mathematics and Economics (Honors), Eckerd College, St. Petersburg, Florida, May, 1981.

Employment:

Professor, Department of Agricultural and Resource Economics, University of Maryland, College Park, 1998-present.

Associate Professor, Department of Agricultural and Resource Economics, University of Maryland, College Park, 1993-1998.

Associate Professor of Resource and Environmental Economics, Department of Soil and Environmental Sciences, University of California, Riverside, 1992-1993.

Assistant Professor of Resource and Environmental Economics, Department of Soil and Environmental Sciences, University of California, Riverside, 1988-1992.

Acting Assistant Professor of Resource and Environmental Economics, Department of Soil and Environmental Sciences, University of California, Riverside, 1986-1987.

Publications:

Pimentel, D., C. Fried, L.J. Olson, S. Schmidt, K. Wagner-Johnson, A. Westman, A. Whelan, K. Foglia, T. Klein, R. Sobin, and A. Bochner. 1984. Environmental and Social Costs of Biomass Energy, *BioScience*, 34: 89-94.

Olson, L.J. 1989. Stochastic Growth with Irreversible Investment, *Journal of Economic Theory*, 47: 101-129.

Olson, L.J. 1990. Multivariate Decision-Making Under Risk Aversion, *Journal of Economic Theory*, 50: 193-203.

- Olson, L.J. 1990. Environmental Preservation With Production, *Journal of Environmental Economics and Management*, 18: 88-96.
- Olson, L.J. 1990. The Search for a Safe Environment: The Economics of Screening and Regulating Environmental Hazards, *Journal of Environmental Economics and Management*, 19: 1-18.
- Nyarko, Y. and L.J. Olson. 1991. Stochastic Dynamic Models with Stock-Dependent Rewards, *Journal of Economic Theory*, 55, 161-168.
- Dow, Jr., J.P. and L.J. Olson. 1991. An Analytic Solution to a Stochastic Consumption/Saving Problem with Liquidity Constraints, *Southern Economic Journal*, 58: 459-464.
- Conrad, J.M. and L.J. Olson. 1992. The Economics of a Stock Pollutant: Aldicarb on Long Island, *Environmental and Resource Economics*, 2, 245-258.
- Dow, Jr., J.P. and L.J. Olson. 1992. Irreversibility and the Behavior of Aggregate Stochastic Growth Models, *Journal of Economic Dynamics and Control*, 16, 207-223.
- Nyarko, Y. and L.J. Olson. 1994. Stochastic Growth when Utility Depends on Both Consumption and the Stock Level, *Economic Theory*, 4, 791-797.
- Knapp, K.C. and L.J. Olson. 1995. The Economics of Conjunctive Groundwater Management with Stochastic Surface Supplies, *Journal of Environmental Economics and Management*, 28(3), 340-356.
- Nyarko, Y. and L.J. Olson. 1996. Optimal Growth with Unobservable Resources and Learning, *Journal of Economic Behavior and Organization*, 29, 465-491.
- Olson, L.J. and S. Roy. 1996. On Conservation of Renewable Resources with Stock-Dependent Return and Non-Concave Production, *Journal of Economic Theory*, 70(1), 133-157.
- Knapp, K.C. and L.J. Olson. 1996. Dynamic Resource Management: Intertemporal Substitution and Risk Aversion, *American Journal of Agricultural Economics*, 78(November), 1004-1014.
- Olson, L.J. 1996. Dynamic Economic Models with Uncertainty and Irreversibility: Methods and Applications, *Nonlinear World*, 3, 757-770.
- Olson, L.J. and K.C. Knapp. 1997. Exhaustible Resource Allocation in an Overlapping Generations Economy, *Journal of Environmental Economics and Management*, 32(3), 277-292.
- Olson, L.J. and S. Roy. 2000. Dynamic Efficiency of Conservation of Renewable Resources Under Uncertainty, *Journal of Economic Theory*, 95(2), 186-214.

Larson, C.E., L.J. Olson and S. Sharma. 2001. Optimal Inventory Policies when the Distribution of Demand is Not Known, *Journal of Economic Theory*, 101, 381-300.

Olson, L.J. and S. Roy. 2002. The Economics of Controlling a Stochastic Biological Invasion, *American Journal of Agricultural Economics (Proceedings)*, 84(5), 1311-1316.

Just, R.E., S. Netanyahu and L.J. Olson. 2005. Depletion of Natural Resources, Technological Uncertainty, and the Adoption of Technological Substitutes. *Resource and Energy Economics*, 27(2), 91-108.

Bramouille, Y. and L.J. Olson. 2005. Allocation of Pollution Abatement Under Learning by Doing. *Journal of Public Economics*, 89(9-10), 1935-1960.

Olson, L.J. and S. Roy. 2005. On Prevention and Control of an Uncertain Biological Invasion, *Review of Agricultural Economics (Proceedings)*, 27(3), 491-497.

Olson, L.J. 2006. The Economics of Terrestrial Invasive Species: A Review of the Literature. *Agricultural and Resource Economics Review*, 35(1), 178-194.

Olson, L.J. and S. Roy. 2006. (invited survey). Theory of Stochastic Optimal Economic Growth, in *Handbook of Economic Growth - Volume 1: The Discrete Time Case* (ed. by. C. Le Van, R. Dana, T. Mitra and K. Nishimura). Springer, 297-335.

Olson, L.J. and S. Roy. in press. Controlling a biological invasion: a non-classical dynamic economic model, *Economic Theory*, 17 pp.

Papers in Unrefereed Conference Proceedings:

Olson, L.J. 1985. A Dynamic Model of the Atlantic Salmon Fisheries Under Distant and Home Water Harvesting, Proceedings of the 1985 International Conference of the System Dynamics Society, Volume II, July, 1985, 641-650.

Olson, L.J. 1990. Some Economic Aspects of Risk Assessment, in Proceedings of a Symposium on Pesticides and Other Toxics: Assessing Their Risk, (Janet L. White, ed.), College of Natural and Agricultural Sciences, University of California, Riverside, 109-119.

Just, R.E., L.J. Olson, and S. Netanyahu. 1996. Resource Depletion, Technological Uncertainty and Adoption of Improved Technology: The Case of Desalination, in Security and Sustainability in a Mature Water Economy: A Global Perspective, Water and Resource Economics Consortium, Proceedings of an International Workshop, University of Melbourne, (J.J. Pigram, ed.), University of New England, Centre for Water Policy Research, Armidale, Australia.

Lichtenberg, E. and L.J. Olson. 1998. Noncooperative and Cooperative Management of an Accumulative Water Pollutant, in Conflict and Cooperation on Trans-Boundary Water Resources, (R.E. Just and S. Netanyahu, eds.), Kluwer Academic Publishers, Norwell.

Grants:

1987-1989. \$230,000. University of California Toxic Substances Program. "UC Riverside Carcinogen Risk Assessment." (co-P.I., with C. Cranor, C. Byus, A. Chang, and D.V. Gokhale)

1988-1989. \$1,400. University of California-Riverside Regents' Faculty Fellowship. "Fishery Regulation Under Incomplete Stock Information." (P.I.)

1990-1991. \$12,633. Giannini Foundation. "Economics and the Control of Agricultural Groundwater Contaminants." (P.I.)

1990-1993. \$71,660. National Science Foundation. "Evidentiary Procedures for Carcinogen Risk Assessment," (co-P.I., with C. Cranor, C. Byus, A. Chang, and D.V. Gokhale).

1991-1993. \$31,010. UC Water Resources Center. "Economics of Groundwater Management with Uncertainty and Learning," (P.I., with K.C. Knapp).

1996. University of Maryland, Graduate Research Board Summer Research Award. "The Economics of Resource Conservation and Extinction." (\$7250, declined, superseded by NSF grant)

1996-1998. \$71,344. National Science Foundation. "The Economics of Conservation, Extinction, and Sustainability." (P.I.)

2001. \$8,500. University of Maryland, Graduate Research Board Summer Research Award. "The Economics of Controlling a Biological Invasion."

2001. \$24,313. Maryland Agricultural Experiment Station Competitive Grant. "The Economics of Controlling Invasive Species in Maryland."

2001. \$26,505. U.S. Department of Commerce. NOAA. National Marine Fisheries Service. "Analysis of Marine Anglers' Expenditure Data."

2003-2006. \$119,000. USDA, Economic Research Service, PREISM. "Randomly Introduced Biological Invasions: The Economics of Prevention and Control" (with Santanu Roy).

2005-2007. \$157,000. USDA, Economic Research Service, PREISM. "Policy Instruments for Prevention of Invasive Species in Strategic International Trade Relationships" (with Santanu Roy).

2005-2008. \$347,240. USDA, Beltsville Agricultural Research Center. "The Economic Value of the Beltsville Agricultural Research Center's Systematics Program" (with Erik Lichtenberg).

Editorships and Editorial Boards:

Associate Editor, *Journal of Environmental Economics and Management*, 1996-1999.
Editorial Council, *Journal of Environmental Economics and Management*, 1994-1995, 2001-2004.

Referee for:

Agricultural and Resource Economics Review, American Economic Review, American Journal of Agricultural Economics, Annals of Regional Science, Australian Journal of Agricultural and Resource Economics, California Agriculture, Canadian Journal of Economics, Choices, Contemporary Policy Issues, Ecological Economics, Econometrica, Economic Theory, Environmental and Resource Economics, European Economic Review, Finnish Economic Papers, International Economic Journal, International Economic Review, Journal of Agricultural and Resource Economics, Journal of Agricultural, Biological and Environmental Statistics, Journal of Applied Econometrics, Journal of Economic Dynamics and Control, Journal of Economic Theory, Journal of Environmental Economics and Management, Journal of Futures Markets, Journal of Political Economy, Journal of Public Economics, Journal of the American Statistical Association, Natural Resource Modeling, Resource and Energy Economics, Scandinavian Journal of Economics, Southern Economic Journal, Water Resources Research

Other Reviewing Activities:

McGraw Hill Publishers, 1992, 1995.
UC Toxic Substances Program, 1992, review panel chair.
Maryland Department of Natural Resources, 1994.
UC Water Resources Center, 1990.
National Sea Grant College Program, 1992.
Binational Agricultural Research and Development Fund, 1995.
Social Sciences and Humanities Research Council of Canada, 1997, 2005.
National Institutes for Water Resources/USGS National Competitive Grant Program, 2002.
USDA PREISM Program, 2007.

Service to Local, State and Federal Agencies:

Member, Maryland Nutria Panel, 2002-2003 (Interagency advisory panel on Nutria control: US Fish and Wildlife Service, Maryland Dept. of Natural Resources, APHIS)
Invited Participant, Environmental Protection Agency Workshop on Economic Impacts of Aquatic Invasive Species, Washington, D.C., July 20-21, 2005.

Professional Memberships:

American Agricultural Economics Association (2002-present), American Economic Association (1985-present), Association of Environmental and Resource Economists (1987-present), Econometric Society (1990-2003), Society for the Promotion of Economic Theory (1992-2003),

Society for the Advancement of Economic Theory (1995-2000), Resource Modeling Association, (1986-1994), Resource Policy Consortium (1992-1996), Western Economic Association (1989-1994)