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CURRICULUM VITAE

NAME: David Zilberman

BUSINESS ADDRESS: Department of Agricultural and Resource Economics
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University of California
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Berkeley, California 94705
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BIRTHPLACE: Jerusalem, Israel

DATE OF BIRTH: May 9, 1947

EDUCATION

Institution	Degree	Years	Field
Tel Aviv University, Israel	B. A.	1969-1971	Economics, Statistics
University of California at Berkeley	Ph.D.*	1973-1979	Agricultural and Resource Economics

*Dissertation topic: "A Putty-Clay Approach to Environmental Quality Control"

PROFESSIONAL EXPERIENCE

2003-2007 Director, Giannini Foundation of Agricultural Economics.

1999-present Robinson Chair, Agricultural and Resource Economics, University of California at Berkeley; Director, Center for Sustainable Resource Development.

1994-2000 Chair, Agricultural and Resource Economics, University of California at Berkeley; Director, Center for Sustainable Resource Development.

1989-1994 Vice Chairman, Agricultural and Resource Economics, University of California at Berkeley.

- 1987- Professor of Agricultural and Resource Economics and Agricultural and Resource Economist in the Agricultural Experiment Station, University of California at Berkeley.
- 1983-1987 Associate Professor of Agricultural and Resource Economics and Associate Agricultural and Resource Economist in the Agricultural Experiment Station, University of California at Berkeley.
- 1979-1983 Assistant Professor of Agricultural and Resource Economics and Assistant Agricultural and Resource Economist in the Agricultural Experiment Station, University of California at Berkeley.
- 1977-78 Postgraduate Research Agricultural Economist, University of California at Berkeley.
- 1977-78 Lecturer (part time), School of Business, San Francisco State University (subjects: Managerial Economics, Operation Management), 1976-1978; Lecturer (part time), School of Business, Lincoln University, San Francisco (subjects: Computer Programming, International Trade).
- 1973-1976 Research Assistant, University of California at Berkeley.
- 1971-1973 Teaching Assistant, Department of Economics, Tel Aviv University, Israel (subject: Econometrics).
- 1968-1973 Programmer and Systems Analyst, Koor Computers, Tel Aviv, Israel.

AWARDS

Agricultural & Applied Economics Association, Fellows Address, Annual Meeting, Washington, D.C., August, 2013.

Agricultural & Applied Economics Association, Outstanding Journal Article Award (2011) for “The Economic Impact of Genetically Engineered Crops,” with Steve E. Sexton, University of California at Berkeley; Michele Marra, North Carolina State University; and Jorge Fernandez-Cornejo, ERS, USDA (*Choices*, 25:2, 2nd Quarter, 2010, 13 p.).

University of California at Berkeley, College of Natural Resources, Career Achievement Award, 2011.

Agricultural & Applied Economics Association, Publication of Enduring Quality Award (2010) for “The Econometrics of Damage Control: Why Specification Matters,” with Erik Lichtenberg (*American Journal of Agricultural Economics*, 68:2, May 1986, 261-273).

Fellow, Association of Environmental and Resource Economists (2007).

College of Natural Resources (CNR) Citation Award (2007).

Giannini Foundation, Most Downloaded Article Award of *ARE Update*, 2007-2008.

Agricultural & Applied Economics Association, Quality of Communication Award (2007) for *Regulating Agricultural Biotechnology: Economics and Policy* (with R. E. Just and J. M. Alston), New York: Springer, 2006.

Agricultural & Applied Economics Association, Outstanding *Review of Agricultural Economics* Article (2007) for “Adoption of Bt Cotton and Impact Variability: Insights from India,” with Matin Qaim, Arjunan Subramanian, and Gopal Naik (*Review of Agricultural Economics*, 28:1, March 2006, 48-58).

Agricultural & Applied Economics Association, Publication of Enduring Quality Award (2005) for “Adoption of Agricultural Innovations in Developing Countries: A Survey” (*Economic Development and Cultural Change*, 33:2, January 1985, 255-298).

Agricultural & Applied Economics Association, Quality of Research Discovery Award (2002) for “Environmental and Distributional Impacts of Conservation Targeting Strategies” (*Journal of Environmental Economics and Management*, 41, May 2001), 333-350).

U.C. Berkeley Alumnus of the Week (January 27, 2003).

UNESCO International Cannes Prize for Water and the Economy (2000).

Fellow, American Agricultural Economics Association (1998).

Honorary Degree, Sociedad Mexicana de Geografía y Estadística in Mexico City (1994)

Agricultural & Applied Economics Association Honorable Mention, Quality of Research Discovery Award (1990) for “Input Allocation in Multicrop Systems.”

Agricultural & Applied Economics Association Honorable Mention, Quality of Research Discovery Award (1984) for “Stochastic Structure, Farm Size, and Technology Adoption in Developing Agriculture.”

Western Agricultural Economics Association, Outstanding Published Research in Agricultural Economics Award (1984) for “Estimation of Multi-Crop Production “

RESEARCH INTERESTS

Agricultural and Environmental Policy; Economics of Production, Technological Change, and Risk; Economics of Natural Resources; Microeconomic Theory; Marketing

DISSERTATION COMMITTEES (Chair or Member)

- Margriet F. Caswell, "The Diffusion of Low-Volume Irrigation Technology in California Agriculture," 1983 (Chairman of Committee).
- Jeffrey T. La France, "The Economics of Nutrient Content and Consumer Demand for Food," 1983 (Chairman of Committee). *Best Dissertation Award, American Agricultural Economics Association.*
- Robert N. Collender, "Optimal Land Allocation Under Uncertainty: A Generalized Portfolio Approach," 1984 (Chairman of Committee).
- Claudia A. (Dodge) Parliament, "Utility Maximizing and Game Laying Behavior in Agricultural Production Cooperatives: Theory and Applications," 1984 (Member of Committee).
- J. Edward Taylor, "Migration and Village Development: The Interaction Between Mexico-U. S. Migration and Socioeconomic Change in Rural Mexico," 1984 (Member of Committee). *Best Dissertation Award, American Agricultural Economics Association*
- Kenneth Bogen, "Uncertainty in Health Risk Estimation," 1986 (Outside Member, School of Public Health).
- Harry de Gorter, "Agricultural Policies," 1986 (Member of Committee).
- Robert Innes, "Agricultural Policy Analysis in Economics with Incomplete Markets," 1986 (Member of Committee). *Best Dissertation Award, American Agricultural Economics Association.*
- Tarek Moursi, "Government Intervention and the Impact of Agriculture: The Case of Egypt," 1986 (Chairman of Committee).
- Carolyn Harper, "Optimal Regulation of Agricultural Pesticides: A Case Study of Chlordimeform in the Imperial Valley," 1987 (Chairman of Committee).
- John Beghin, "A Game Theoretical Model of Agricultural and Food Price Policies in Senegal," 1988 (Member of Committee).
- Linda Calvin, "Distributional Consequences of Agricultural Commodity Policy," 1988 (Chairman of Committee).
- Gloria Helfand, "Standards Versus Standards: The Incentive and Efficiency Effects of Pollution Control Restriction," 1988 (Member of Committee).

Daniel Putler, "Reference Price Theory: A Behavioral Analysis of Consumer Reference to Price Changes," 1988 (Chairman of Committee).

Gail Simpson, "A Case Study in Applied Econometrics: Statistical Identification of Cheaters," 1988 (Chairman of Committee).

Ziv Bar-Shira, "Behavior Under Uncertainty: The Decision Criterion, the Attitude Toward Risk, and the Choice of Labor Supply," 1989 (Chairman of Committee).

George Frisvold, "Transactions Costs, Labor Contracts, and Labor Productivity in Rural South India," 1989 (Member of Committee).

Israel Finkelshtain, "Aversion to Income Risk in the Presence of Other Risks: Theory and Applications," 1989 (Member of Committee).

Douglas Parker, "The Economics of Marketing Agricultural Product Quality," 1990 (Chairman of Committee). *Honorable Mention, Best Dissertation Award, American Journal of Agricultural Economics.*

Farhed Ali Shah, "Technological Change, Economic Growth, and Exhaustible Resources," 1990 (Chairman of Committee).

Timothy Howell Brown, "The Effects of Consumer Demand on Pesticide Regulation in the Market for Apples," 1991 (Member of Committee).

Teruo Taniguchi, "An Economic Analysis of Naturally Grown Rice in Japan," 1991 (Chairman of Committee).

Gary Casterline, "The Economics of Discrete Changes to the Technological Environment," 1992 (Chairman of Committee).

David E. Buschena, "The Effects of Alternative Similarity on Choice Under Risk: Toward a Plausible Explanation of Independence Violations of the Expected Utility Model," 1992 (Chairman of Committee).

Hai-Yen Sung, "Perception of Health Risk and the Demand for Cigarette Consumption," 1993 (Chairman of Committee).

Susan Gabbard, "Farm Workers' Labor Supply Decisions," 1993 (Member of Committee).

Gregory Adams, "Three's a Crowd: Multilateral Game Theoretical Analysis of Environmental Policy," 1994 (Member of Committee).

Madhu Khanna, "Technology Adoption and the Abatement of Greenhouse Gases: The Thermal Power Sector in India," 1995 (Chairman of Committee).

- Gary Green, "Technology Adoption and Water Management in Irrigated Agriculture," 1995 (Chairman of Committee).
- Nobuhiko Fuwa, "Social Stratification and Mobility in a Philippine Village, 1962-1994," 1995 (Member of Committee).
- Bruce McWilliams, "Essays on Learning and Technology Adoption," 1995 (Chairman of Committee).
- Seung Jick Yoo, "Essays on Environmental Economics," 1995 (Chairman of Committee).
- Stephen F. Hamilton, "Product Quality and Environmental Health Issues in Agricultural Production," 1996 (Chairman of Committee).
- Loretta M. Lynch, "Agricultural Trade and Environmental Concerns: Three Essays Exploring Pest Control, Regulations, and Environmental Issues," 1996 (Chairman of Committee).
- Linda Fernandez, "Managing Environmental Quality: Three Essays in Applied Environmental Economics," 1996 (Member of Committee).
- Calogero Carletto, "Non-Traditional Agro-Exports among Smallholders in Guatemala," 1996 (Member of Committee).
- Cheryl Brown, "Three Essays on Issues of Agricultural Sustainability," 1997 (Chairman of Committee).
- Sabrina Isé, "The Use of Voluntary Conservation Programs for the Preservation of Agriculture and the Environment at the Urban Fringe," 1997 (Chairman of Committee).
- Jinhua Zhao, "Essays on Natural Resource Development, International Trade, and the Environment," 1997 (Chairman of Committee).
- Christopher Dumas, "Cross-Media Pollution and a Common Agency," 1997 (Member of Committee).
- Tracy Hart, "Spatially Efficient Management of a Sea Water Intruded Aquifer," 1997 (Chairman of Committee).
- Daniel Cohen-Vogel, "Essays on Information and Variability: Theoretical Contributions and Applications to Precision Agricultural Innovations and Middle East Development," 1998 (Chairman of Committee).
- Richard McCann, "California's Evolving Water Management Institutions: Markets and Agricultural Water Districts," 1998 (Member of Committee).

Katrin Millock, "Monitoring and Enforcement under Incomplete Information: Essays on Nonpoint Source Pollution," 1998 (Member of Committee).

Janis Olmstead, "Emerging Markets in Water: Investments in Institutional and Technological Change," 1998 (Chairman of Committee).

Arthur Small, "The Market for Genetic Resources: The Role of R&D in the Valuation and Conservation of Biological Intellectual Capital," 1998 (Member of Committee).

Cherisa Yarkin, "Challenges and Opportunities: Pesticides, Regulation and Innovation," 1998 (Chairman of Committee).

Joshua Zivin, "The Economic and Health Effects of Environmental Policy," 1998 (Chairman of Committee).

Leslie Lipper, "The Logic of Swidden: Poverty and Environmental Determinants of Household Farming System Choice," 1999 (Chairman of Committee).

Neal MacDougall, "The Tradeoff between Ecosystem Services and Location of Production: The Case of Shrimp Aquaculture in Ecuadorian Mangrove Ecosystem," 1999 (Chairman of Committee).

Daniel Osgood, "Information, Precision, and Waste," 1999 (Chairman of Committee).

Grazyna Michalska, "Interdependencies of Academic and Industry: Policies for the Future of Agrobiotechnology," 2000 (Member of Committee).

Zhihua Shen, "Essays of Empirical Studies in Agricultural and Resource Economics," 2000 (Member of Committee).

Federico Castillo, "Managing Information and Technology Transfer in Natural Resources," 2001 (Member of Committee).

Ming Chen, "Development and the Environment," 2001 (Co-Chair of Committee).

Petra J. G. J. Hellegers, "Groundwater Management for Agriculture and Nature: An Economic Analysis," Wageningen University, 2001 (Member of Committee).

David Just, "Learning and Information," 2001 (Chair of Committee).

Georgina Moreno, "Water Supply Reliability and Adoption of Conservation Technology," 2001 (Chair of Committee).

Eran Binenbaum, "Tensions in Nonprofit Research," 2002 (Member of Committee).

Nicholas Brozovic, "Optimal Regulation under Heterogeneity," 2002 (Co-Chair of Committee).

Gregory Graff, "Generating and Trading Biological Innovations in Agriculture," 2002 (Chair of Committee).

Rick Llewellyn, "Farmer Adoption of Herbicide Resistance Management Strategies," 2002 (External Member of Committee).

Xuemei Liu, "Economic Essays on Global Climate Change," 2002 (Co-Chair of Committee).

Yurie Tanimichi, "Essays on the Economic Analysis of Transboundary Air Pollution," 2002 (Member of Committee).

Renos Vakis, "The Impact of Market Failures on Household Behavior: Explaining Labor Market Segmentation, Technology Adoption Patterns and Transaction Costs in Rural Peru," 2002 (Member of Committee).

Sean Cash, "Essays on the Economics of Protecting Health and the Environment," 2003 (Co-Chair of Committee).

Deanna Gordon, "Essays on the Effects of Adult Mortality on Education and Food Security," 2003 (Chair of Committee).

Asa Sajise, "Tree Planting Decisions under Conditions of Irreversibility and Imperfect Labor Markets," 2003 (Chair of Committee).

Angels Xabadia, "Optimization and Dynamic Control: Application to Economics," University of Girona, 2003 (Member of Committee).

Yanhong Jin, "The Economics of a Money-back Guarantee in Retailing," 2004 (Chair of Committee).

Jennifer Alix-Garcia, "A Tale of Two Communities and Other Deforestation Stories," 2005 (Member of Committee).

Diemuth E. Pems, "Economics of Agricultural Biotechnology in Crop Protection in Developing Countries," University of Hannover, 2005 (Member of Committee).

Karina Schoengold, "Natural Resource Pricing, Allocation, and Capital Investment," 2005 (Co-Chair of Committee).

Aaron Swoboda, "Essays on Land-Use Regulation and the Urban Economy" 2005 (Member of Committee).

Michelle McGregor, "The Economics of Environmental Permitting," 2005 (Co-Chair of Committee).

Jayashree Sil, "Risk in U. S. Agriculture: Insurance, Forward Contracts, Adverse Selection and Moral Hazard," 2005 (Co-Chair of Committee).

Sara Boettiger, “Weak Patents, Open Source Patenting, and Implications for the Bayh-Dole Act in Developing Countries,” 2006 (Member of Committee).

Christopher Busch, “Deforestation in the Southern Yucatan: Recent Trends, Their Causes, and Policy Implications,” 2006 (Member of Committee).

Hendrik Wolff, “Testing Simulation and Structural Models with Applications to Energy Demand,” 2007 (Member of Committee).

Miriam Bixby, “Optimal Carbon Policy,” 2008 (University of British Columbia, External Member of Committee).

Deepak Rajagopal, “Economics of Lifecycle Analysis and Greenhouse Gas Regulations,” 2009 (Chair of Committee).

Brian Gross, “Beneficial Bees and Pesky Pests: Three Essays on Ecosystem Services to Agriculture,” 2010 (University of British Columbia, Vancouver, Chair of Committee).

Jenny Liu, “A Theoretical and Simulation-based Examination of Household Vehicle Choice through an Adoption Perspective,” 2010 (Portland State University, Oregon, Chair of Committee).

Biswo Poudel, “Three Essays In Environmental and Agricultural Economics,” 2010 (Chair of Committee).

Jennifer Ifft, “Essays on Environmental and Health Risk,” 2011 (Chair of Committee).

Thomas Sproul, “Essays on Externalities and Uncertainty,” 2011 (Chair of Committee).

UNIVERSITY SERVICE

Department of Agricultural and Resource Economics Fundraising Committee, 2004-2012

Department of Agricultural and Resource Economics Nomination Committee, 2004-2007; 2009-2012

Department of Agricultural and Resource Economics, Graduate Advisor, 2009-2011

Department of Agricultural and Resource Economics Fundraising Committee, 2004-2007

Chair, Ad Hoc Committees for Budget Committee, 2004

Giannini Foundation Executive Committee, 2002-2005

Co-Director, Beahrs Environmental Leadership Program, CNR, 2001-present

Director, Center for Sustainable Resource Development, CNR, 2001-2012

Master of Development Practice, Chair, Executive Committee, 2010-present

Master of Development Practice, Academic Director, 2010-present

Master of Development Practice, Program Founder, 2009-2011

Director, Giannini Foundation of Agricultural Economics, 2003-2007

Representative, Executive Committee, Energy Biosciences Institute, 2007-2011

Liaison, Academic Senate for the review of the Energy and Resource Group, 2013
Ad hoc Committee, Budget and Interdepartmental Relations, 2013
Chair, Committee on Committees, 2010-11
Member, Giannini Foundation, 2009-2010
Member, Committee on Committees, 2009-2010
Member, Committee of Budget and Interdepartmental Relations, 2006-2009
Member, Committee of Budget and Interdepartmental Relations, Academic Senate,
UC Berkeley, 2006-2009
U.C. Representative at the Center of Management of Intellectual Property for Health Research
(MIHR), 2003-04

PROFESSIONAL ACTIVITIES

Reviewer, *Agricultural Economics*
Reviewer, *American Journal of Agricultural Economics*
Reviewer, *American Economic Review*
Editor, *Contemporary Economic Policies*
Reviewer, *Ecological Economics*
Reviewer, *Energy Policy*
Reviewer, *European Review of Agricultural Economics*
Reviewer, *Environmental and Resource Economics*
Reviewer, *Environmental Science and Technology*
Reviewer, *Journal of Economic Literature*.
Reviewer, *Journal of Environmental Economics and Management*
Reviewer, *Journal of Political Economy*
Reviewer, *Water Resources Research*
Guest Editor, *Journal of Econometrics*, Special Issue, 2011
Guest Editor, *Climate Change Economics*, Special Issue, 2012
Associate Editor, *Annual Review of Resource Economics*, 2013
Associate Editor, *Environmental and Development Economics*, 2008-2013
Associate Editor, *ARE Update*, 2009-2013
Associate Editor, *Global Change Biology Bioenergy*, 2010-2013
Series Editor, Springer, Natural Resource Management and Policy, 2010-2012
Reviewer, Binational Agricultural Research and Development Fund, 2013
Member, Board of the American Agricultural Economics Association Foundation, 2002-2004
Member, Board of the American Agricultural Economics Association, 2002-2004
Member, Council on Food, Agricultural and Resource Economics, 2002-2005
Member, Selection Committee, Association of Environmental and Resource Economists
Workshop, 2003-2004
Chair, Association of Environmental and Resource Economists Workshop, 2007
Editorial Board, *Environmental and Resource Economics*, 2007-2009
Chair, Galbraith Award Committee of the American Agricultural Economics Association, 2002-
2009
Environmental Protection Agency, Environmental Economics Advisory Committee, 2010-2013

International Food Policy Research Institute AGRODEP, Advisory Board, 2010-2013
International Consortium on Applied Bioeconomy Research, 2009-2013
International Water Resource Economics Consortium, 2009-2013
National Academies' National Research Council, Committee on Impacts of Biotechnology on Farm Level Economics and Sustainability, 2009-2010
National Academies' National Research Council, Committee on Publicly Funded Agricultural Research and the Changing Structure of U.S. Agriculture, 2002-2003
National Academies' National Research Council, Committee on the Future Role of Pesticides in U. S. Agriculture, 1998-1999

Consulting

Monsanto sustainability challenge, 2012-present
Mars, Inc., 2011
Mars, Inc., certification VFC, 2010-present
BP sustainability challenge, 2010-11
World Bank, 2009-present
International Food Policy Research Institute, 2009-present
Food and Agriculture Organization, 2009-2011

GOVERNMENT SERVICE

California Department of Food and Agriculture, 1995-2004
California Environmental Protection Agency, 2000-2005
Consultative Group on International Agricultural Research (CGIAR), Task Force on Natural Resource Management, 2003-2007
Cooperative State Research, Education, and Extension Service (CSREES) Review Team of Departments of Agricultural Economics (University of Arizona, 2002; Kansas State University, 2004; Michigan State, 2005; Purdue, 2006; Wisconsin, 2007)
Council for Agricultural Science and Technology (CAST) Task Force, 2002-2004
EPA Science Advisory Board, Economics Panel, 2008-2010
Food and Agriculture Organization of the United Nations, 2001-present
(Avian Flu Research Project, 2007-2009, Consultant; Research Program on Payment of Environmental Services, 2003-2008, PI)
National Science Foundation, Review Panel, 2002-2003
Performance-Based Environmental Policies for Agriculture, National Advisory Team Member, 2007-2009
Public Intellectual Property Resources for Agriculture (PIPRA), 2003-2005
Public Intellectual Property Resources for Agriculture (PIPRA), Advisory Board, 2003-2006
U. S. Department of Agriculture, 1985-present
U. S. Environmental Protection Agency, 1985-2005
World Bank, 1995-present

PUBLICATIONS

Books

- E1. Dinar, Ariel, and David Zilberman, editors. *The Economics and Management of Water and Drainage in Agriculture*. Norwell, Massachusetts: Kluwer Academic Publishers, 1991.
- E2. Carlson, Gerald A., David Zilberman, and John A. Miranowski, editors. *Agricultural and Environmental Resource Economics*. New York: Oxford University Press, 1993.
- E3. Casey, Frank, Andrew Schmitz, Scott Swinton, and David Zilberman. *Flexible Incentives for the Adoption of Environmental Technologies in Agriculture*. Norwell, Massachusetts: Kluwer Academic Publishers, 1999.
- E4. Santaniello, V., R. E. Evenson, D. Zilberman, and G. A. Carlson, editors. *Agricultural and Intellectual Property Rights: Economic, Institutional and Implementation Issues in Biotechnology*. New York: CABI Publishing, 2000.
- E5. Wolf, Steven, and David Zilberman, editors. *Knowledge Generation and Technical Change: Institutional Innovation in Agriculture*. Norwell, Massachusetts: Kluwer Academic Publishers, 2001.
- E6. Santaniello, V., R. E. Evenson, and D. Zilberman, editors. *Market Development for Genetically Modified Foods*. New York: CABI Publishing, 2002.
- E7. Dinar, Ariel, and David Zilberman, editors. *Economics of Water Resources: The Contribution of Dan Yaron*. Norwell, Massachusetts: Kluwer Academic Publishers, 2002.
- E8. Evenson, R. E., V. Santaniello, and David Zilberman, editors. *Economic and Social Issues in Agricultural Biotechnology*. New York: CABI Publishing, 2002.
- E9. Cooper, Joseph, Leslie Marie Lipper, and David Zilberman. *Agricultural Biodiversity and Biotechnology in Economic Development*. New York: Springer, 2005.
- E10. Just, Richard E., Julian M. Alston, and David Zilberman, editors. *Regulating Agricultural Biotechnology: Economics and Policy*. New York: Springer, 2006.
- E11. Waibel, H., and D. Zilberman, editors. *International Research on Natural Resource Management: Advances in Impact Assessment*. Rome: FAO; Oxfordshire, UK/Cambridge, MA: CAB International, 2007.
- E12. Lipper, Leslie, Takumi Sakuyama, Randy Stringer, and David Zilberman, editors. *Payment for Environmental Services in Agricultural Landscapes: Economic Policies*

and Poverty Reduction in Developing Countries. New York: Food and Agriculture Organization of the United Nations and Springer Science+Business Media, LLC, 2009.

- **E13. Khanna, Madhu, Jürgen Scheffran, and David Zilberman, editors. *Handbook of Bioenergy Economics and Policy*. New York: Springer, 2010.
- **E14. Zilberman, David, Joachim Otte, David Roland-Holst, and Dirk Pfeiffer, editors. *Health and Animal Agriculture in Developing Countries*. New York: Springer, 2012.
- **E15. Morales, Márcia Azanha F. D., and David Zilberman, editors. *Production of Ethanol from Sugarcane in Brazil: From State Intervention to a Free Market*. New York: Springer, 2014.
- **E16. Pinto, Alberto Adrego, and David Zilberman. *Modeling, Dynamics, Optimization and Bioeconomics I*. Springer Proceedings in Mathematics and Statistics. New York: Springer: 2014.
- **E17. Timilsina, Govinda, and David Zilberman. *The Impacts of Biofuels on the Economy, Environment, and Policies*. Natural Resource Management and Policy. New York: Springer, 2014.

Journal Articles

- A1. Moffitt, L. Joe, David Zilberman, and Richard E. Just. “Economic Impact of Water Quality Regulation on Dairying in the Santa Ana River Basin,” *California Agriculture*, Vol. 30, No. 9 (September, 1976), pp. 17-19.
- A2. Hochman, Eithan, David Zilberman, and Richard E. Just. “Two-Goal Regional Environmental Policy: The Case of the Santa Ana River Basin,” *Journal of Environmental Economics and Management*, Vol. 4, No. 1 (January, 1977), pp. 25-39.
- A3. Hochman, Eithan, David Pines, and David Zilberman. “The Effects of Pollution Taxation on the Pattern of Resource Allocation: The Downstream Diffusion Case,” *Quarterly Journal of Economics*, Vol. 91, No. 4 (November, 1977), pp. 625-638.
- A4. Hochman, Eithan, David Zilberman, and Richard E. Just. “Internalization in a Stochastic Pollution Model,” *Water Resources Research*, Vol. 13, No. 6 (December, 1977), pp. 877-881. Reprinted in *Economics of Water Resource*, ed. R. Quentin Grafton (Cheltenham, UK: Edward Elgar, 2009), Vol. I, Part III, Water Pollution, Chap. 19.
- A5. Hochman, Eithan, and David Zilberman. “Examination of Environmental Policies Using Production and Pollution Microparameter Distributions,” *Econometrica*, Vol. 46, No. 4 (July, 1978), pp. 739-760.

- A6. Moffitt, L. Joe, David Zilberman, and Richard E. Just. "A 'Putty Clay' Approach to Aggregation of Production/Pollution Possibilities: An Application in Dairy Waste Control," *American Journal of Agricultural Economics*, Vol. 60, No. 3 (August, 1978), pp. 452-459.
- A7. Just, Richard E., and David Zilberman. "Asymmetry of Taxes and Subsidies in Regulating Stochastic Mishap," *Quarterly Journal of Economics*, Vol. 93, No. 1 (February, 1979), pp. 139-148.
- A8. Hochman, Eithan, and David Zilberman. "Two-Goal Environmental Policy: An Integration of Micro and Macro Ad Hoc Decision Rules," *Journal of Environmental Economics and Management*, Vol. 6, No. 2 (June, 1979), pp. 152-174.
- A9. Just, Richard E., Andrew Schmitz, and David Zilberman. "Price Controls and Optimal Export Policies Under Alternative Market Structures," *American Economic Review*, Vol. 69, No. 4 (September, 1979), pp. 706-714.
- A10. Just, Richard E., Andrew Schmitz, and David Zilberman. "Technological Change in Agriculture," *Science*, Vol. 206, No. 4424 (December 14, 1979), pp. 1277-1280.
- A11. Yassour, Joseph, David Zilberman, and Gordon C. Rausser. "Optimal Choices Among Alternative Technologies with Stochastic Risk," *American Journal of Agricultural Economics*, Vol. 63, No. 4 (November, 1981), pp. 718-723.
- A12. Zilberman, David. "The Use and Potential of Optimal Control Models in Agricultural Economics," *Western Journal of Agricultural Economics*, Vol. 7, No. 2 (December, 1982), pp. 395-405.
- A13. Just, Richard E., and David Zilberman. "Stochastic Structure, Farm Size, and Technology Adoption in Developing Agriculture," *Oxford Economic Papers*, Vol. 35, No. 2 (July, 1983), pp. 307-328.
- A14. Just, Richard E., David Zilberman, and Eithan Hochman. "Estimation of Multicrop Production Functions," *American Journal of Agricultural Economics*, Vol. 65, No. 4 (November, 1983), pp. 770-780.
- A15. Singh, Chhotan, and David Zilberman. "Allocation of Fertilizer Among Crops Under Risk—A Quadratic Programming Approach," *Indian Journal of Agricultural Economics*, Vol. XXXIX, No. 1 (January-March, 1984), pp. 77-84.
- A16. La France, Jeffrey T., Andrew Schmitz, and David Zilberman. "Small Leading Firms," *Economic Record*, Vol. 60, No. 169 (June, 1984), pp. 160-164.
- A17. Caswell, Margriet, David Zilberman, and George E. Goldman. "Economic Implications of Drip Irrigation," *California Agriculture*, Vol. 38, No. 7-8 (July-August, 1984), pp. 4 and 5.

- A18. Zilberman, David, "Dynamic Supply Response and Agricultural Investment: Discussion," *North Central Journal of Agricultural Economics* (October, 1984), pp. 179-180.
- A19. Hochman, Eithan, Jeffrey La France, and David Zilberman. "Solar Energy and Hydroelectric Power Generation in the Dead Sea: A Dynamic Analysis," *Water Resources Research*, Vol. 20, No. 11 (November, 1984), pp. 1469-1476.
- A20. Rausser, Gordon C., David Zilberman, and Richard E. Just, "The Distributional Effects of Land Controls in Agriculture," *Western Journal of Agricultural Economics*, Vol. 9, No. 2 (December, 1984), pp. 215-232.
- A21. Zilberman, David, "Technological Change, Government Policies, and Exhaustible Resources in Agriculture," *American Journal of Agricultural Economics*, Vol. 66, No. 5 (December, 1984), pp. 634-640.
- A22. Feder, Gershon, Richard E. Just, and David Zilberman, "Adoption of Agricultural Innovations in Developing Countries: A Survey," *Economic Development and Cultural Change*, Vol. 32, No. 2 (January, 1985), pp. 255-298.
- A23. Caswell, Margriet, and David Zilberman. "The Choices of Irrigation Technologies in California," *American Journal of Agricultural Economics*, Vol. 67, No. 2 (May, 1985), pp. 224-239. Reprinted in *Economics of Water Resource*, ed. R. Quentin Grafton (Cheltenham, UK: Edward Elgar, 2009), Vol. I, Part IV, Irrigation, Chap. 25.
- A24. Just, Richard E., and David Zilberman. "Risk Aversion, Technology Choice, and Equity Effects of Agricultural Policy," *American Journal of Agricultural Economics*, Vol. 67, No. 7 (May, 1985), pp. 435-440.
- A25. Collender, Robert N., and David Zilberman. "Land Allocation Under Uncertainty for Alternative Specifications of Return Distributions," *American Journal of Agricultural Economics*, Vol. 67, No. 4 (November, 1985), pp. 779-786.
- A26. Lichtenberg, Erik, and David Zilberman. "Efficient Regulation of Environmental Health Risks: The Case of Groundwater Contamination in California," *Ricerche Economiche*, Vol. XXXIX, No. 4 (October-December, 1985), pp. 540-549.
- A27. Hochman, Eithan, and David Zilberman. "Optimal Exploitation of Energy Resources: Solar Power and Electricity Generation in Below Sea Level Basins," *Journal of Environmental Economics and Management*, Vol. 12, No. 4 (December, 1985), pp. 322-337.
- A28. Just, Richard E., and David Zilberman. "Income Distributional Implications of Water Policy Decisions," *Western Journal of Agricultural Economics*, Vol. 10, No. 2

- (December, 1985), pp. 170-182. Reprinted in *Economics of Water Resource*, ed. R. Quentin Grafton (Cheltenham, UK: Edward Elgar, 2009), Vol. I, Part IV, Irrigation.
- A29. Lichtenberg, Erik, and David Zilberman. "The Econometrics of Damage Control: Why Specification Matters," *American Journal of Agricultural Economics*, Vol. 68 (1986), pp. 262-273.
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- P31. Lichtenberg, Erik, and David Zilberman. "Quantifying Toxic Risks from Agriculture," invited paper presented at the *Conference on Regional Environmental Quality and Externalities from Production Agriculture* sponsored by the Consortium for Research on Crop Production Systems, Airlie House, Virginia, January 21-22, 1988.
- P32. Zilberman, David. "Pesticide Economics," invited paper presented at the *32nd Annual Conference of Australian Agricultural Economics Society*, Melbourne, Australia, February 3, 1988.
- P33. Zilberman, David. "The Present and Future of Agricultural Resources Economics," invited paper presented at the University of Maryland Commercial Agricultural and Resource Policy Program, May 14, 1988.
- P34. Babcock, Bruce A., Erik Lichtenberg, and David Zilberman. "Estimating the Productivity of Pesticides in Controlling Yield and Quality Damage," presented at the *Annual Meeting of the American Agricultural Economics Association*, Knoxville, Tennessee, August 1-3, 1988.
- P35. Bigman, David, David Newbery, and David Zilberman. "New Approaches in Agricultural Policy Research: Discussion," paper presented at the *Annual Meeting of the American Economics Association*, Chicago, Illinois, December 28, 1987.
- P36. Just, Richard E., Erik Lichtenberg, and David Zilberman. "Joint Management of Buffer Stocks for Water and Commodities," presented at the University of Maryland

Commercial Agricultural and Resource Policy Symposium, Baltimore, Maryland, May 4-5, 1989.

- P37. Just, Richard E., Erik Lichtenberg, and David Zilberman. "Effects of the Feed Grain and Wheat Programs on Irrigation and Groundwater Depletion in Nebraska," paper presented at the University of Maryland *Commercial Agricultural and Resource Policy Symposium*, Baltimore, Maryland, May 4-5, 1989.
- P38. Just, Richard E., Erik Lichtenberg, and David Zilberman. "Effects of Commodity Programs on Health: The Case of Tobacco," paper presented at the University of Maryland *Commercial Agricultural and Resource Policy Symposium*, Baltimore, Maryland, May 4 and 5, 1989.
- P39. Lichtenberg, Erik, Robert C. Spear, and David Zilberman. "The Economics of Re-Entry Regulation in Controlling Pesticide-Induced Illness Among Farmworkers," invited paper presented at the *Association of Environmental and Resource Economists Workshop on Estimating and Valuing Morbidity in a Policy Context*, Research Triangle, North Carolina, June, 1989.
- P40. Hanemann, Michael, Erik Lichtenberg, and David Zilberman. "Conservation Versus Cleanup in Agricultural Drainage Control," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Baton Rouge, Louisiana, July 30-August 2, 1989.
- P41. Just, Richard E., Erik Lichtenberg, and Zilberman, David. "Joint Management of Buffer Stocks of Commodities and Groundwater," paper presented at the *Annual Meeting of the American Economic Association*, Atlanta, Georgia, December 27-30, 1989.
- P42. Zilberman, David, "The Appropriate Model for the Choice of Agricultural Inputs: Primal, Dual, or Other," invited paper presented at the *Annual Meeting of the American Economics Association*, Atlanta, Georgia, December 27-30, 1989.
- P43. Zilberman, David, and Margriet Caswell. "The Management of Drainage in California," paper presented at the *Western Economics Association Meeting*, Lake Tahoe, Nevada, June 14, 1989.
- P44. Zilberman, David. "Health and Production Tradeoffs in Pesticide Regulation," paper presented at the *American Agricultural Economics Association Symposium*, Vancouver, British Columbia, August 3, 1990.
- P45. Zilberman, David. "Impacts of Environmental Considerations on Agricultural Policy Formulations," paper presented at the *American Agricultural Economics Association Symposium*, Vancouver, British Columbia, August 3, 1990.

- P46. Parker, Douglas D., and David Zilberman. "Price Transmission Across Marketing Levels in a Hedonic Framework," paper presented at the *American Agricultural Economics Association Conference*, Vancouver, British Columbia, Canada, August 1990.
- P47. Zilberman, David. "Pesticide Tradeoffs: Economic, Welfare, and Health," paper presented at the *Symposium on Economics of Reducing Pesticide Use*, Department of Agricultural and Resource Economics, University of California at Berkeley, October 26, 1990.
- P48. Zilberman, David. "The Dynamics of Regional Management of Water and Drainage," paper presented at the *International Workshop and Conference: Food Problems in Developing Countries and the Potential Contribution of R&D to their Solution*, BARD-US-Israel Agricultural Research and Development Fund, the Phillippe Monaster Center for Economics Research, and the Center for Research in Agricultural Economics, in collaboration with CINADCO-Ministry of Agriculture, Israel, December 10-13, 1990.
- P49. Zilberman, David. "Water Rights and Technology Adoption," invited paper presented at the Department of Economics, University of Chicago, April 29, 1991.
- P50. Zilberman, David, Andrew Schmitz, Ariel Dinar, and Farhed Shah. "A Water Scarcity or a Water Management Crisis?" paper presented at *Waterscapes '91: International Conference on Water Management for a Sustainable Environment* (organized by the Government of Canada and the Canadian Water Resources Association) Saskatoon, Saskatchewan, June 2-8, 1991.
- P51. Zilberman, David. "Pesticide Policy and Regulation" (Chair of session, Contemporary Policy Issues), paper presented at *Challenges of the Changing Global Environment, Western Economic Association, 66th Annual Conference*, Seattle, June 29-July 3, 1991.
- P52. Zilberman, David. "Economics of Food Labeling" (Discussant, Individually Organized Session), paper presented at *Challenges of the Changing Global Environment, Western Economic Association, 66th Annual Conference*, Seattle, June 29-July 3, 1991.
- P53. Buschena, David E., and David Zilberman. "Risk Attitudes Over Income Under Discrete Status Levels," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Kansas State University, Manhattan, Kansas, August 4-7, 1991.
- P54. Shah, Farhed, and David Zilberman. "Environmental Degradation and Technological Change," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Kansas State University, Manhattan, Kansas, August 4-7, 1991.

- P55. Zilberman, David. "Evaluating Programs that Save Lives" (Discussant), paper presented at *Annual Meeting of the American Agricultural Economics Association*, Kansas State University, Manhattan, Kansas, August 4-7, 1991.
- P56. McWilliams, Bruce, David Zilberman, and George B. Frisvold. "Estimating Adoption Behavior From Time of Adoption Data: The Case of Computers in California," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Kansas State University, Manhattan, Kansas, August 4-7, 1991.
- P57. Zilberman, David (facilitator and speaker). *Workshop on Economics for the Conference on Urban Pesticide Spraying: Charting a Course for Public Health Protection*, Santa Monica, California, October, 2-4, 1991.
- P58. Dinar, Ariel, Anthony Fisher, and David Zilberman. "Impact of Global Climate Change on California's Agriculture," invited paper presented at the *Peder Sather Symposium on Global Change: European and American Policy Responses*, University of California at Berkeley, October 16-18, 1991.
- P59. Zilberman, David. "The Economics of Pesticide Use," paper presented at the Department of Agricultural Economics, University of Georgia, April 30, 1991; the Department of Agricultural Economics, Cornell University, May 24, 1991; the Department of Agricultural Economics, University of Maryland, October 4, 1991; and the Department of Agricultural Economics, University of Connecticut, October 21, 1991.
- P60. Zilberman, David. "The Economics of Drainage Management," paper presented at the University of Massachusetts, October 22, 1991, and the University of California at Davis, November 21, 1991.
- P61. Zilberman, David, and Ujjayant Chakravorty. "Efficient Management of Water in Agriculture," paper presented at the *International Conference on Natural Resources and Environmental Management in an Interdependent World*, sponsored by IICA and Resources for the Future, San Jose, Costa Rica, January 22-24, 1992.
- P62. Zilberman, David. "The Economic Implications of the Sweetpotato Whitefly for Consumers, Growers, and the Farm Credit Industry," paper presented at the *Conference on The Economic Impacts of the Sweetpotato Whitefly*, University of California at Riverside, January 17, 1992.
- P63. Zilberman, David, Philip Haney, and Seung Jick Yoo. "The Impact of Energy Price Changes on Citrus Growers and California Agriculture," Report produced for the California Energy Commission, presented at the CEC Workshop, *Economic Implications of Higher Electricity Rates to Agricultural Class Customers and the Various Alternatives Available to Reduce Their Electricity Demands*, Sacramento, March 27, 1992 (Berkeley: Department of Agricultural and Resource Economics, University of California, March, 1992).

- P64. Parker, Douglas D., and David Zilberman. "Technology Transfer in Biotechnology: Evidence and Analysis," paper presented at the *Western Economic Association International Conference*, San Francisco, California, July, 1992.
- P65. Zilberman, David. "Transaction Costs and the Political Economy of Water Markets," paper presented at the *Western Economic Association International Conference*, San Francisco, California, July, 1992.
- P66. Zilberman, David (Moderator). *Chemical vs. Biological Control of Pests: An International Comparison*, Organized Symposium at the *American Agricultural Economics Association Annual Meeting*, Baltimore, Maryland, August, 1992.
- P67. Zilberman, David. "Environmental Dimensions of Grains from Trade" (subsequently retitled "Environmental Aspects of Economic Relations Between Nations"), paper presented at the *American Agricultural Economics Association Annual Meeting*, Baltimore, Maryland, August, 1992.
- P68. Zilberman, David, Ariel Dinar, Cheryl Brown, Federico Castillo, Madhu Khanna, and Neal MacDougall. "Lessons From California's Response to the Drought: On Behavior Under Uncertainty," paper presented at *Quantifying Long Run Agricultural Risks and Evaluating Farmer Responses to Risk Seminar*, University of Arizona, Tucson, September, 1992. Proceedings of a Seminar sponsored by Southern Regional Project S-232, Orlando, Florida.
- P69. Buschena, David E., and David Zilberman. "Similarity of Choices and the Performance of the Expected Utility Approach: Empirical Results," paper presented at *Quantifying Long Run Agricultural Risks and Evaluating Farmer Responses to Risk Seminar*, University of Arizona, Tucson, September, 1992. Proceedings of a Seminar sponsored by Southern Regional Project S-232, Orlando, Florida.
- P70. Zilberman, David. "Implications of Environmental/Food Safety Regulations for Agriculture," panelist at the *Agricultural, Food and Environmental Policy Interface*, Bennett Agricultural Round Table Program, sponsored by the Farm Foundation, Sacramento, California, Summer, 1992.
- P71. Zilberman, David. "Economic Implications of Higher Electricity Rates on California Agriculture," panelist at the Workshop on Assembly Bill 2236, *Economic Implications of High Electricity Rates to Agricultural Class Customers and the Various Alternatives Available to Reduce Their Electricity Demands*, sponsored by the California Energy Commission, March 27, 1992.
- P72. Zilberman, David, and Richard Howitt. "The Economics of Water Supply Restrictions: Impacts of Miller/Bradley on California Agriculture," paper presented at the Conference on Regional Water Management, *Regional Water Constraints: Physical, Institutional and Economic Differences*, Berkeley, California, October 15 and 16, 1993.

Sponsored by the Department of Agricultural and Resource Economics, University of California, Berkeley; College of Natural Resources, University of California, Berkeley; the Water Resources Center, University of California, Systemwide; and the Water and Resource Economics Consortium.

- P73. Zilberman, David (Moderator). "The Economics of Water for Environmental and Recreational Purposes," paper presented at the Conference on Regional Water Management, *Regional Water Constraints: Physical, Institutional and Economic Differences*, Berkeley, California, October 15 and 16, 1993. Sponsored by the Department of Agricultural and Resource Economics, University of California at Berkeley; College of Natural Resources, University of California at Berkeley; the Water Resources Center, University of California Systemwide; and the Water and Resource Economics Consortium.
- P74. Zilberman, David. "Agricultural Water Conservation and Quantity Constraints in California," paper presented at the session, "Agricultural Water Conservation Strategies," Conference on *Regional Water Management: Regional Water Constraints: Physical, Institutional and Economic Differences*, Berkeley, California, October 15 and 16, 1993. Sponsored by the Department of Agricultural and Resource Economics, University of California at Berkeley; College of Natural Resources, University of California, Berkeley; the Water Resources Center, University of California, Systemwide; and the Water and Resource Economics Consortium.
- P75. Zilberman, David (Discussant). "The Future of Water Markets: Emerging Institutions, Shifting Paradigms, and Organizations," paper presented at the Conference on *Market Approaches to Environmental Protection*, Stanford University, December 3 and 4, 1993. Sponsored by the Center for Economic Policy Research (with the Koret Foundation and Cain Conference Fund) and the Institute for International Studies.
- P76. Zilberman, David. "Case Studies and Solutions: Economic Impacts," paper presented at the *UC Wetlands/Agricultural Workshop*, organized by the Integrated Natural Resources Workgroup and the Agricultural/Wildlife Workgroup, University of California Cooperative Extension, Santa Nella California, April 28 and 29, 1994. Sponsored by the Salinity Drainage Program, U. C., DANR Council of Deans and Directors.
- P77. Zilberman, David. "Emergency Response vs. Preparedness: Opportunity for Change," discussant at the conference, *Drought Management in a Changing West: New Directions for Water Policy*, Portland, Oregon, May 11-13, 1994. Sponsored by the Western Regional Climate Center, Desert Research Institute; West National Technical Center, Soil Conservation Service/USDA; International Drought Information Center, University of Nebraska-Lincoln; Western States Water Council; Institute for Water Resources, Corps of Engineers; Bureau of Reclamation, Department of Interior; Climate Analysis Center, NOAA; and the High Plains Climate Center, University of Nebraska, Lincoln.

- P78. Buschena, David E., and David Zilberman. "Testing the Effects of Similarity on Risky Choice Utility," paper presented at the session "Information and Uncertainty," The 69th Annual Conference of the Western Economic Association International, *Markets and the Environment*, Vancouver, B.C., June 29-July 3, 1994.
- P79. McWilliams, Bruce, and David Zilberman. "Learning by Using and Technology Adoption," paper presented at the session "Economics of Technology Adoption in Agriculture," *1994 Annual Meeting of the American Agricultural Economics Association, Western Agricultural Economics Association, and Association of Environmental and Resource Economists*, San Diego, California, August 7-10, 1994.
- P80. Zilberman, David (Moderator). Session: "Welfare Economics Applications: Property Rights and Animal Health." *1994 Annual Meeting of the American Agricultural Economics Association, Western Agricultural Economics Association, and Association of Environmental and Resource Economists*, San Diego, California, August 7-10, 1994.
- P81. Parker, Douglas D., and David Zilberman. "The Distributional Effects of Private Sector R&D Management: In-House and at Public Institutions," paper presented at the session on U. S. Agricultural Policy, *1994 Annual Meeting of the American Agricultural Economics Association, Western Agricultural Economics Association, and Association of Environmental and Resource Economists*, San Diego, California, August 7-10, 1994.
- P82. Zilberman, David (Speaker). *Who Owns the Water? A Look at the Middle East Water Crisis*, Council Program, World Affairs Council of Northern California, September 11, 1994.
- P83. Zilberman, David, and Terry Roe (Discussants). "The Political Economy of Water Allocation: Lobbying, Negotiations and Other Game-Theoretic Approaches," paper presented at the *International Conference on Coordination and Decentralization in Water Resource Management*, October 3-6, 1994. Sponsored by the Center for Agricultural Economic Research and the Department of Agricultural Economics and Management, the Hebrew University of Jerusalem; Center for International Food and Agricultural Policy, University of Minnesota; and the Water Resources Economics Consortium with the Brian Y. Davidson Center for Agribusiness, the Jerusalem School of Business Administration; the Binational Agricultural Research and Development Fund (BARD); Ministry of Foreign Affairs, Center for International Cooperation (MASHAV); and Ben-Gurion University of the Negev, Rehovot, Israel.
- P84. Zilberman, David. "Environmental Qualities and Environmental Policies," paper presented at the *International Conference on Coordination and Decentralization in Water Resource Management*, October 3-6, 1994. Sponsored by the Center for Agricultural Economic Research and the Department of Agricultural Economics and Management, the Hebrew University of Jerusalem; Center for International Food and Agricultural Policy, University of Minnesota; and the Water Resources Economics Consortium with the Brian Y. Davidson Center for Agribusiness, the Jerusalem School of Business Administration; the Binational Agricultural Research and Development

Fund (BARD); Ministry of Foreign Affairs, Center for International Cooperation (MASHAV); and Ben-Gurion University of the Negev, Rehovot, Israel.

- P85. Zilberman, David. "Coordinated Approaches to Trade and Environment Policy in the Pacific Basin: Initial Results for Mexico, A Comment," paper presented at the *International Conference on Economic Development and Cooperation in the Pacific Basin*, Berkeley, California, June 30-July 1, 1995.
- P86. Zilberman, David. "Legislating Reductions in Pesticide Use: Universal Paradigm or Silly Idea?" paper presented at the *Annual Meeting of the American Agricultural Economic Association*, Indianapolis, Indiana, August 6-9, 1995.
- P87. Hamilton, Steve, David Sunding, and David Zilberman. "Voting on Environmental Health Risks," paper presented at the *Annual Meeting of the American Agricultural Economic Association*, Indianapolis, Indiana, August 6-9, 1995.
- P88. Zilberman, David, Gareth Green, and David Sunding. "The Effects of Land Allocation, Soil Quality, and Water Cost on Irrigation Technology Adoption," paper presented at the *Annual Meeting of the American Agricultural Economic Association*, Indianapolis, Indiana, August 6-9, 1995.
- P89. Zhao, Jinhua, and David Zilberman. "Endogenous Investment, Restoration and Nature of Irreversibility," paper presented at the *Annual Meeting of the American Agricultural Economic Association*, Indianapolis, Indiana, August 6-9, 1995.
- P90. Zilberman, David. "Workshop Wrap-up," presented at the conference on *Privatization of Technology and Information Transfer in U.S. Agriculture: Research and Policy Implications*, Madison, Wisconsin, October 25 and 26, 1995.
- P91. Zilberman, David, Madhu Khanna, and Leslie Lipper. "Economics of Sustainable Agriculture," paper presented at the *40th Annual Conference of the Australian Agricultural and Resource Economics Society*, Melbourne, Australia, February 11-16, 1996.
- P92. Zilberman, David (Organizer of session). "Geographic Information Systems and Environmental Policy Analysis," paper presented at the *71st Annual Western Economic Association International Conference*, San Francisco, California, June 28-July 2, 1996.
- P93. Babcock, Bruce, P. G. Lakshminarayan, JunJie Wu, and David Zilberman. "The Economics and Environmental Impact of the CRP," paper presented at the *71st Annual Western Economic Association International Conference*, San Francisco, California, June 28-July 2, 1996.
- P94. Zilberman, David, David Sunding, Gordon Rausser, and Alan Marco. "What Happens After a Pesticide Is Banned?" paper presented at the *71st Annual Western Economic Association International Conference*, San Francisco, California, June 28-July 2, 1996.

- P95. Khanna, Madhu, and David Zilberman. "Precision Technology and Nonpoint Pollution Control," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, San Antonio, Texas, July 28-31, 1996.
- P96. Zilberman, David. "Pesticide Use and Regulation: Making Economic Sense Out of an Externality and Regulation Nightmare," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, San Antonio, Texas, July 28-31, 1996.
- P97. Dumas, Chris, and David Zilberman (Organizers of session). Free Session: "Using the World Wide Web to Teach Agricultural, Resource and Environmental Economics: A Set of Tools and Experiences to Get You Started," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, San Antonio, Texas, July 28-31, 1996.
- P98. Zilberman, David. "Agriculture, Technology, and Rural Development," paper presented at the *Annual Meeting of the Federal Reserve System Committee on Agriculture and Rural Development*. Sponsored by the Federal Reserve Bank of St. Louis, St. Louis, Missouri, October 3 and 4, 1996.
- P99. Zilberman, David. "The Economics of Precision Agriculture," paper presented at the *Workshop on Remote Sensing of Agriculture in the 21st Century*. Sponsored by NASA, National Institute for Global Environmental Change, and the College of Agriculture at UC Davis, Davis, California, October 23-25, 1996.
- P100. Zilberman, David. "Agricultural and Resource Economics Works on Risks," paper presented at the *University of California Risk Workshop*, Berkeley, California, October 31-November 1, 1996.
- P101. Zilberman, David, Madhu Khanna, and Leslie Lipper. "Economics, Technology, and Sustainability," paper presented at the *World Food Summit*, Rome, Italy, November 13-17, 1996. Sponsored by the Food and Agriculture Organization of the United Nations.
- P102. Zilberman, David. "The Economics of Improved Irrigation Technologies," paper presented at the *California Irrigation Institutes 35th Annual Meeting*, Fresno, California, January 29, 1997.
- P103. Zilberman, David, and Amir Heiman. "Money-Back Guarantees as Options," paper presented at the *1997 INFORMS Marketing Science Conference*, Berkeley, California, March 21-24, 1997. For more details, see <http://www.haas.berkeley.edu/~market/CONFERENCE/SESSIONS/sa1.6.html>
- P104. Zilberman, David, and Amir Heiman. "The Value of Economic Research," paper presented at the conference on *Measuring the Benefits of Policy-Oriented Social Science Research*, Washington, D. C., April 4 and 5, 1997. Sponsored by the International Food Policy Research Institute (IFPRI).

- P105. Zilberman, David. "The Problems of Pesticide Regulation—The Dilemma Associated with Safe and Plentiful Food," paper presented at the *2nd Seminar on Environmental and Resource Economics*, Girona, Spain, May 19-20, 1997.
- P106. Khanna, Madhu, Katti Millock, and David Zilberman. "Sustainability, Technology, and Incentives," paper presented at *Flexible Incentives for the Adoption of Environmental Technologies in Agriculture*, University of Florida, Gainesville, Florida, June 8-10, 1997.
- P107. Zilberman, David. "Capital, the Human's Edge," paper presented at the *72nd Annual Conference of the Western Economic Association International*, Seattle, Washington, July 9-13, 1997.
- P108. Khanna, Madhu, and David Zilberman. "Agricultural Policies, Precision Farming, and Environmental Protection," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Toronto, Canada, July 27-30, 1997.
- P109. Zilberman, David. "Evaluating Social Science Research: Benefits and Costs," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Toronto, Canada, July 27-30, 1997.
- P110. Zilberman, David. "Results from the AAEA Survey and Data Task Force," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Toronto, Canada, July 27-30, 1997.
- P111. Zhao, Jinhua, and David Zilberman. "Timing of Technology Adoption and Empirical Test of Real Option Theory," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Toronto, Canada, July 27-30, 1997.
- P112. Zilberman, David. "New Approaches for the Management of Natural Resources," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Toronto, Canada, July 27-30, 1997.
- P113. Zilberman, David, Cherisa Yarkin, and Amir Heiman. "Agricultural Biotechnology: Economic and International Implications," paper presented at the *XXIII International Conference of Agricultural Economists, "Food Security, Diversification, and Resource Management: Refocusing the Role of Agriculture?"*, Sacramento, California, August 10-16, 1997.
- P114. Zilberman, David. "Intellectual Property Rights, Technology Transfer and Genetic Resource Utilization," paper presented at *International Conference on Building the Basis for Economic Analysis of Genetic Resources in Crop Plants*, August 17-19, 1997. Sponsored by International Maize and Wheat Improvement Center (CIMMYT) and Stanford University, Palo Alto, California.

- P115. Zilberman, David. "Biotechnology in Agriculture: Its Potential and Problems," *MSU Department of Agricultural Economics Distinguished Speaker Presentation*, Department of Agricultural Economics, Michigan State University, East Lansing, Michigan, October, 1997. For more details, see http://www.sas.upenn.edu/African_Studies/Newsletters/tues_101497.html
- P116. Zilberman, David. "Agricultural Biotechnology: Economic and International Implications," paper presented at *the James S. and Dorothy Wershow Distinguished Lecture Series*, University of Florida, Gainesville, Florida, February 19, 1998.
- P117. Zilberman, David, Brent Hueth, and Dan Cohen. "Non-Predator Vertebrate Pest Damage in California Agriculture: An Assessment of Economic Impacts in Selected Crops," paper presented at the *Eighteenth Annual Vertebrate Pest Conference*, Costa Mesa, California, March 2-5, 1998.
- P118. Zilberman, David (Moderator of Session). "Aggregate Production and Productivity Analysis," *Annual Meetings of the American Agricultural Economics Association*, Salt Lake City, Utah, August 2-5, 1998.
- P119. Zilberman, David. "Implications of the Social Capital Paradigm," paper presented at the *Annual Meeting of the American Agricultural Economics Association*, Salt Lake City, Utah, August 2-5, 1998.
- P120. Zilberman, David (Panelist). "The Process of Innovation," panel held at the conference on *R&D Investment and Economic Growth in the 20th Century* sponsored by Haas Business School, University of California, Berkeley, March 26-28, 1999. For more details, see <http://aghistory.ucdavis.edu/UCGroupPage.htm>
- P121. Zilberman, David. "Comments on South Florida Development," presented at the conference on *Integrating Agricultural and Ecological Solutions in South Florida*, West Palm Beach, Florida, April 28-29, 1999. For more details, see <http://www.sfrestore.org/sct/agworkshop/intag.htm>
- P122. Zilberman, David, and Michael Chai. "Global Technical Change and the Poor, speakers at the conference on *Openness, Macroeconomic Crises and Poverty: A Dialogue and Consultation on WDR 2000/01*, Kuala Lumpur, Malaysia, May 10-12, 1999. For more details, see <http://www.worldbank.org/poverty/wdrpoverty/malaysia/papers.htm>
- P123. Zilberman, David, Louis Bucklin, and Amir Heiman. "Transaction Risk in Leasing Durable Goods," paper presented at the *Marketing Science Conference: A Time of Reflection and Renewal*, School of Management, Syracuse, New York, May 20-23, 1999. For more details, see http://sominform.syr.edu/informs/saturday_sessions.html
- P124. Zilberman, David. "Climate Change and Agriculture," paper presented at the *3rd Toulouse Conference on Environment and Resource Economics*, Toulouse, France, June 14-16, 1999.

- P125. Zilberman, David, Cherisa Yarkin, and Amir Heiman. "Knowledge Management and the Economics of Agricultural Biotechnology," paper presented at *the International Consortium on Agricultural Biotechnology Research*, Rome, Italy, June 17-18, 1999, and Ravello, Italy, June 19, 1999.
- P126. Zilberman, David. "Future Directions in Water Resource Management," keynote paper presented at the *Universities Council on Water Resources 1999 Annual Meeting and International Water and Resource Economics Consortium 6th Biennial Meeting and Co-Sponsored by the International Water Resources Association*, Kamuela, Hawaii, June 29-July 2, 1999. For more details, see <http://www.soest.hawaii.edu/csf/kbac/d1999-07-06.html>
- P127. Zilberman, David. "Applications to Resources, Biotech, and the Environment," paper presented at a *Pre-AAEA Conference Workshop on Social Capital: A New Paradigm for an Increasingly Diverse Profession*, Nashville, Tennessee, August 7, 1999. For more details, see <http://www.ssc.msu.edu/~internat/soccap/AAEAworkshop.html>
- P128. Zilberman, David. "The Role of Economic Research in the Evolution of International Biotechnology," paper presented at the conference on *the Agricultural Biotechnology in Developing Countries: Towards Optimizing the Benefits for the Poor*, Bonn, Germany, November 15-16, 1999.
- P129. Zilberman, David. "Water and Economy," major paper presented at the *Water, Mankind, and the Future 2nd International Symposium on Water*, Cannes, France, May 29-31, 2000.
- P130. Zilberman, David. "Economic Considerations in Designing Water Systems for Arid Zones," keynote paper presented at the *Conference on Water and the Environment: Resolving Conflicts in the Development of Drylands Water*, Ben-Gurion University, Beer-Sheva, Israel, June 4-7, 2000.
- P131. David Zilberman. "Climate Change and the Reduction of Input Costs," paper presented at the *Seventh Annual "Farming for Profit" Moose Jaw Convention and Jamboree*, Moose Jaw, Saskatchewan, Canada, June 18-20, 2000.
- P132. Zilberman, David, and Margaret Caswell. "An Economic Analysis of Algoculture," paper presented at *The Tenth Biennial Conference of the International Institute of Fisheries Economics & Trade*, Department of Agricultural and Resource Economics, Oregon State University, Corvallis, Oregon, July 10-14, 2000. For more details, see <http://www.orst.edu/dept/IIFET/2000/speakersz.html>
- P133. Zilberman, David, and David Buschena. "Generalized Expected Utility, Heteroscedastic Error, and Path Dependence in Risky Choice," paper presented at the

Econometric Society World Congress, Seattle, Washington, August 12, 2000. For more details, see <http://www.nuff.ox.ac.uk/users/doornik/eswc2000/a/0100.html>

- P134. Zilberman, David, "On the Theory and Practice of Environmental Economics," paper presented at *Heartland Environmental and Resource Economics Symposium*, Ames, Iowa, September 17-18, 2000.
- P135. Zilberman, David. "The Economics of Climate Change," paper presented at conference on *Carbon Sequestration and Climate Change: The Science and the Policy*, Sproul Room, International House, University of California, Berkeley, March 23, 2000.
- P136. Sunding, David, Mark Metcalfe, and David Zilberman. "Risk Management and the Environment," paper presented at *SERA-IEG-31 Annual Meeting, Economics and Management of Risk in Agriculture and Natural Resources: A Comprehensive Assessment of the Role of Risk in U.S. Agriculture*, Gulf Shores State Park Resort, Gulf Shores, Alabama, March 22 and 23, 2001.
- P137. Zilberman, David, and Jennifer Alix. "Industrial Organization and Pest Dynamic Considerations in Agricultural Pest Resistance Management," paper presented at the *Resources for the Future Workshop on Pesticides Resistance*, Airlie House, Virginia, April 6, 2001.
- P138. Zilberman, David. "Information Technology and the Evolution and Structure of Agriculture," paper presented at the *Symposium on the Impacts of E-commerce and Information Technology on Global Agricultural Markets*, Waugh Auditorium, Economic Research Service, Washington, D. C., May 29 and 30, 2001. For more details, see <http://www.farmfoundation.org/e-commerce.htm>
- P139. Zilberman, David, and David Sunding. "Water Conservation Policy and the Yield Effect of Modern Irrigation Technologies," paper presented at the *7th Conference of the International Water Economic Resources Consortium*, Girona, Spain, June 3-5, 2001.
- P140. Zilberman, David. "Conservation Capital and Sustainable Economic Growth," paper presented at the *76th Annual Western Economic Association International Conference*, San Francisco, California, July 4-8, 2001.
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- **P266. Zilberman, David. “Quantifying the Role of Biofuels in the Global Food Crisis,” paper presented at the *Economic and Environmental Consequences of Large-Scale Biofuels Expansion Meeting*, World Bank, Washington, D.C., March, 2010.
- **P267. Sexton, Steve, and David Zilberman. “The Economics of Agricultural Biotechnology Adoption: Implication to Biofuels Sustainability,” paper presented at the *NBER Agricultural Economics Conference*, Boston, Massachusetts, March, 2010.
- **P268. Zilberman, David, Deepak Rajagopal, and Gal Hochman. “Indirect Land Use: One Consideration Too Many in Biofuel Regulation,” paper presented at the *Biofuels Law and Regulation Conference*, Urbana-Champaign, Illinois, April 9, 2010.
- **P269. Zilberman, David. “The Economics of Genetic Modified Crops,” paper presented at *Statistical Conference*, Oslo, Norway, May 19, 2010.
- **P270. Zilberman, David. “The Legacy of Leif Johansen in Resource and Environmental Economics” presented at the *Leif Johansen Symposium*, Norwegian Academy of Science, Oslo, Norway, May 21, 2010.
- **P271. Zilberman, David “The Economics of Genetic Modified Crops,” presented at the *Department of Economics, University of Trondheim*, Trondheim, Norway, May 26, 2010.
- **P272. Zilberman, David. “Biofuel and Biotech,” selected paper *AAEA Annual Meeting*, Denver, Colorado, May, 2010.
- **P273. Zilberman, David, Erik Lichtenberg, James Shortle, and James Wilen. “Natural Resource Economics and Conservation: Contributions of Agricultural Economics and Agricultural Economists,” invited paper *AAEA Annual Meeting*, Denver, Colorado, July 27, 2010.
- **P274. Ifft, Jennifer, David Zilberman, and David Roland-Holst. “Production and Risk Prevention Response of Free Range Chicken Producers in Vietnam to Highly Pathogenic Avian Influenza Outbreaks,” selected paper *AAEA Annual Meeting*, Denver, Colorado, July 27, 2010.
- **P275. Zilberman, David. “Economic Models of Biofuels and Policy Analysis,” paper presented at the *Workshop on Strategic Directions in Social, Legal and Environmental Dimensions of Research on Biofuels*, I-Hotel, Urbana, Illinois, September 25-26, 2010.
- **P276. Zilberman, David. “The Economics of Energy Land Use and Innovations—Lessons for AB 32,” paper presented at the *California Climate Change Policy: The Economic and Environmental Impacts of AB 32 Meeting*, Sacramento, California, October 4, 2010.
- **P277. Zilberman, David. “Indirect Land Use Change,” paper presented to the *NRC Committee on Biofuel Production*, Beckman Center, Irvine, California, October 7, 2010.
- **P278. Zilberman, David. “Biofuel and New Economics of Agriculture,” paper presented at

the *Solving the Climate Change Problem: Technology, California, and the Emerging Markets Conference*, Weaver Center, Institute of the Americas, U.C. San Diego, October 10, 2010.

- **P279. Zilberman, David. “High Gas Prices as a Cause of the Financial Crisis: Theoretical and Empirical Evidence,” paper presented at the *ASSA Meeting*, Denver, Colorado, January 8, 2011.
- **P280. Zilberman, David. “Payments for Ecosystem Services Provided by Agriculture,” presented to the *Canadian Agricultural Economics Society*, Ottawa, Ontario, January 14, 2011.
- **P281. Rajagopal, Deepak, Gal Hochman, and David Zilberman. “Acreage Expansion Due to Corn Ethanol: What Historical Experience Suggests,” presented at the *Fourth Annual Berkeley Bioeconomy Conference*, U.C. Berkeley, March 25-26, 2011.
- **P282. Hochman, Gal, and David Zilberman. “The Political Economy of OPEC,” paper presented at the *MPSA Annual National Conference*, Chicago, Illinois, March 31-April 3, 2011.
- **P283. Zilberman, David. “Climate Change: Overview Of Research Efforts,” paper presented at the *Agropdep Annual Meeting*, Dakar, Senegal, June, 2011.
- **P284. Hochman, Gal, Deepak Rajagopal, and David Zilberman. “The Political Economy of OPEC,” paper presented at the *AERE Summer Conference*, Seattle, Washington, June 9-10, 2011.
- **P285. Rajagopal, Deepak, and David Zilberman. “Prices vs. Quantities in the Context of Lifecycle Assessment Based Regulations,” paper presented at the *AERE Summer Conference*, Seattle, Washington, June 9-10, 2011.
- **P286. Zilberman, David. “The Economics of Fermentation: Wine & Beer Technology,” paper presented at the *International Consortium of Applied Bioeconomy Research (ICABR) 15th Annual Conference*, Rome, Italy, June 26-29, 2011.
- **P287. Sexton, Steve, Jun Jie Wu, and David Zilberman. “The Financial Crisis and Energy Prices,” paper presented at the *European Association of Environmental and Resource Economists (EAERE) 18th Annual Conference*, Rome Italy, June 29-July 2, 2011.
- **P288. Zilberman, David (Discussant). “Comments on ‘OPEC: Market Failure or Power Failure,’” by Cairns, Robert, and Enrique Calfucura, paper presented at the *European Association of Environmental and Resource Economists (EAERE) 18th Annual Conference*, Rome, Italy, June 29-July 2, 2011.
- **P289. Zilberman, David, and Gal Hochman. “OPEC and the Economics of Alternative Fuels,” paper presented at the *European Association of Environmental and Resource Economists (EAERE) 18th Annual Conference*, Rome, Italy, June 29-July 2, 2011.

- **P290. Hochman, Gal, and David Zilberman. “The Political Economy of OPEC,” EAERE 18th Annual Conference University of Rome “Tor Vergata,” paper presented at the *European Association of Environmental and Resource Economists (EAERE) 18th Annual Conference*, Rome, Italy, June 29-July 2, 2011.
- **P291. Hochman, Gal, Deepak Rajagopal, and David Zilberman. “A Technological Response to Environmental Policy: From Putty-clay to Putty-doh,” paper presented at the *European Association of Environmental and Resource Economists (EAERE) 18th Annual Conference*, Rome, Italy, June 29-July 2, 2011.
- **P292. Hochman, Gal, and David Zilberman. “The Political Economy of OPEC,” paper presented at the *34th IAEE International Conference*, Stockholm, Sweden, July 19-July 24, 2011.
- **P293. Zilberman, David. “The Bioeconomy, Innovation System and Regulation,” paper presented at the *University of Campinas*, Sao Palo, Brazil, September 15, 2011.
- **P294. Zilberman, David. “Impact of Biofuels on Food Prices,” presentation for the *Science Advisory Board of EBI*, Naperville, Illinois, October 5, 2011, and presented at the *Initiative for a Carbon Negative Economy Workshop*, Chicago, Illinois, October 6-7, 2011.
- **P295. Zilberman, David. “Economic and Policy Reality of a Carbon Negative Economy,” paper presented at the *Initiative for a Carbon Negative Economy Workshop*, Chicago, Illinois, October 6-7, 2011.
- **P296. Zilberman, David. “Rethinking the Indirect Effects of Biofuel,” paper resented at the *CRC Workshop On Life Cycle Analysis Of Biofuels*, Argonne National Laboratory Argonne, Illinois, October 17-19, 2011.
- **P297. Zilberman, David. “Impact of GMO on Global Productivity and Food Prices,” paper presented at the *International Workshop on the Impacts of Genetically Modified (GM) Crops*, Seville, Spain, November 23, 2011.
- **P298. Zilberman, David, Gal Hochman, Deepak Rajagopal, Steve Sexton, and Govinda Timilsina. “The Impact of Biofuels on Commodity Food Prices: Assessment of Findings,” paper presented at the *ASSA Meeting*, Chicago, IL, January 4, 2012.
- **P299. Barrows, Geoffrey, Gal Hochman, and David Zilberman. “The Multi-product Petroleum Refining Process and Biofuels.” Paper presented at the *Transportation Research Board (TRB) 91st Annual Meeting*, Washington, D.C., January 22-26, 2012.
- **P300. Zilberman, David. “Rethinking the Indirect Effect of Biofuels,” paper presented at the *National Ethanol Conference*, Orlando, Florida, February 24, 2012.

- **P301. Hochman, Gal, Geoff Barrows, and David Zilberman. “Indirect Byproduct Effect of Biofuels,” paper presented at the *Fifth Annual Berkeley Bioeconomy Conference*, U.C. Berkeley, March 26-28, 2012.
- **P302. Zilberman, David. “The Future of Biofuel in Brazil,” paper presented at the *Fifth Annual Berkeley Bioeconomy Conference*, U.C. Berkeley, March 26-28, 2012.
- **P303. Zilberman, David. “California New Risk Environment,” paper presented at the *Farm Risk Management Conference*, Sacramento, California, May 18, 2012.
- **P304. Hochman, Gal, Ella Segev, Geoff Barrows, and David Zilberman. “The Impact of Biofuel on Fuel Prices and the Environment: A Multiproduct Noncompetitive Set-up,” paper presented at the *AERE Meeting*, Asheville, North Carolina, June 3-5, 2012.
- **P305. Zilberman, David. “The Economics of Fermentation,” paper presented at the *ICABR-AAWE Pre-Conference Workshop: Technology and Innovation in the Grape and Wine Industries*, Feudi di San Gregorio, Italy, June 24, 2012.
- **P306. Zilberman, David. “The Indirect Byproduct Effect of Biofuels,” paper presented at the *16th ICABR Conference*, Ravello, Italy, June 24-27, 2012.
- **P307. Zilberman, David. “The Political Economy of Biofuels,” paper presented at the *16th ICABR Conference*, Ravello, Italy, June 24-27, 2012.
- **P308. Barrows, Geoffrey, Steve Sexton, David Zilberman, and Jeanne Reeves. “The Impacts of Agricultural Biotechnology on Productivity and the Environment: An Aggregate Assessment.” Paper presented at the *EAERE Conference*, Prague, Czech Republic, June 29, 2012.
- **P309. Barrows, Geoffrey, Gal Hochman, and David Zilberman. “The Indirect Byproduct Effects of Biofuels,” paper presented at the *EAERE Conference*, Prague, Czech Republic, June 30, 2012.
- **P310. Zilberman, David. “Climate Change Impact on Agriculture,” paper presented at the *Conference on Climate Change Impacts on and Adaptation Measures for Agriculture in Austria: Linking Bottom-up and Top-down Models*, University of Natural Resources and Applied Life Sciences, Vienna, Austria, July 2, 2012.
- **P311. Barrows, Geoffrey, Gal Hochman, and David Zilberman. “Petroleum Refining and the Indirect Byproduct Effect of Biofuels,” presented at the *AAEA Annual Meeting*, Seattle, Washington, August 12-14, 2012.
- **P312. Hochman, Gal, Gregory Graff, and David Zilberman. “The Political Economy of Controversial Technologies,” paper presented at the *AAEA Annual Meeting*, Seattle, Washington, August 12-14, 2012.

- **P313. Zilberman, David. “Bioethanol: Taking Stock, Looking Ahead: Natural Resources and Sustainability, Policies and Technology,” paper presented at the *28th ICAE Conference*, Foz do Iguacu, Brazil, August 18-24, 2012.
- **P314. Zilberman, David, Eunice Kim, Jeanne Reeves, Scott Kaplan, and Sam Kirschner. “Technology and the Future of Bio-Economy,” paper presented at the *28th ICAE Conference*, Foz do Iguacu, Brazil, August 18-24, 2012..
- **P315. Zilberman, David. “Water and Biofuel,” paper presented at the *Council of Energy Research & Education Leaders (CEREL) Conference*, Berkeley, California, October 17, 2012.
- **P316. Zilberman, David. “Food Fight Debating Proposition 37, California’s Landmark Initiative to Label GMO Food,” presentation for *KQED*, October 24, 2012.
- **P317. Zilberman, David. “Proposition 37, Agricultural Biotechnology, Productivity and the Environment, an Aggregate Assessment,” presentation for the *Leavey School of Business*, Santa Clara University, Santa Clara, California, October 27, 2012.
- **P318. Zilberman, David. “The Economic Impacts of Banning Methyl Bromide for Postharvest Uses,” paper presented at the *Methyl Bromide Alternatives Conference*, Orlando, Florida, November 7, 2012.
- **P319. Strogon, Bret, and David Zilberman. “Economic, Greenhouse Gas Emissions, and Employment Implications of Constructing Pipelines for U.S. Biofuel Distribution,” *Defense Energy Summit (Poster Session)*, Austin, Texas, November 11-13, 2012.
- **P320. Zilberman, David. “Water Policy and Management in Sub Saharan Africa and Southern Asia,” paper presented at the *GDN Conference*, FAO, Rome, Italy, December 15, 2012.
- **P321. Zilberman, David, Geoff Barrows, Gal Hochman, and Deepak Rajagopal. “On the Indirect Effect of Biofuel,” paper presented at the *AAEA Meeting*, San Diego, California, January 4, 2013.
- **P322. Zilberman, David. “Food, Fuel, and Plant Nutrient Use in the Future,” presentation for the *National Coalition for Food and Agricultural Research Hill Seminar Series, US Senate Agricultural Committee Staff Briefing*, Washington, D.C., March 18, 2013.
- **P323. Strogon, Bret. “Ethanol Pipelines: An Opportunity to Save Costs and Greenhouse Gas Emission, or Did We Miss the Boat?” paper presented at the *Sixth Annual Berkeley Bioeconomy Conference*, U.C. Berkeley, March 27-28, 2013.
- **P324. Zilberman, David. “An Economist’s View on the Bioeconomy,” paper presented at the *Sixth Annual Berkeley Bioeconomy Conference*, U.C. Berkeley, March 27-28, 2013.

- **P325. Khanna, Madhu, and David Zilberman. "Pricing Biofuel and Oil in Brazil," paper presented at the *Sixth Annual Berkeley Bioeconomy Conference*, U.C. Berkeley, March 27-28, 2013.
- **P326. Waterfield, Gina, and David Zilberman. "On the Willingness to Pay, Ban, and Label Biotechnology," paper presented at the *Sixth Annual Berkeley Bioeconomy Conference*, U.C. Berkeley, March 27-28, 2013.
- **P327. Tregeagle, Daniel, and David Zilberman. "Investment Age Structure and Sugarcane Yield: Theory and Evidence from Brazil," paper presented at the *Sixth Annual Berkeley Bioeconomy Conference*, U.C. Berkeley, March 27-28, 2013.
- **P328. Zilberman, David. "The Economics of Genetic Modified Crops," paper presented at the *Department of Agricultural and Resource Economics, University of Rhode Island*, April 8, 2013.
- **P329. Zilberman, David. "GM Seeds, Crop Yields and Food Prices," paper presented at the *Friedman School of Nutrition Science & Policy*, Tufts University, Boston, Massachusetts, April 9, 2013.
- **P330. Zilberman, David. "Sustainability and the Bioeconomy," paper presented at the *Friedman School of Nutrition Science & Policy*, Tufts University, Boston, Massachusetts, April 10, 2013.
- **P331. Zilberman, David. "Sustainability and the Bioeconomy," paper presented at *Colorado State University*, Fort Collins, Colorado, April 19, 2013.
- **P332. Zilberman, David. "Technology and the Future Bioeconomy," Keynote talk presented via video in *Mathematics of Planet Earth 2013*, Porto, Portugal, March 25, 2013.
- **P333. Zilberman, David. "Agricultural Biotechnology, Productivity & the Environment: An Aggregate Assessment," paper presented at the *International Bioeconomy Conference: From Molecule to Society*, ScienceCampus, Plant-Based Bioeconomy, Halle, Germany, June 6-7, 2013.
- **P334. Zilberman, David. "Economics of Production, Technology, & Risk with Application in Agriculture," paper presented at the *pre-Conference Workshop Theoretical Models, Empirical Methods, and Data Collection for Analyzing the Bioeconomy, 17th ICABR Conference*, Ravello, Italy, June 17, 2013.
- **P335. Zilberman, David. "Biofuel, Biotech, and Food Security," paper presented at the *17th ICABR Conference*, Ravello, Italy, June 19, 2013.
- **P336. Zilberman, David, Scott Kaplan, Eunice Kim, and Gina Waterfield. "Lesson from the California GM Labeling Proposition," paper presented at the *17th ICABR Conference*,

Ravello, Italy, June 20, 2013.

- **P337. Zilberman, David. “Solar Energy and the Bio-economy, Sustainable Solar Electricity Supply: Options and Risks,” paper presented at the *Wegener Center for Climate and Global Change*, University of Graz, Austria, June 24, 2013.
- **P338. Strogon, Bret, and David Zilberman. “Economic, Greenhouse Gas Emissions, and Employment Implications of Constructing U.S. Biofuel Pipelines,” paper presented at the *7th International Society for Industrial Ecology Biennial Conference, 3rd Symposium on Industrial Ecology for Young Professionals (Poster Session)*, June 29, University of Ulsan, South Korea, 2013.
- **P339. Lu, Liang, Xiaoxue Du, and David Zilberman. “Vertical Integration or Contract Farming on Biofuel Feedstock Production: A Technology Innovation Perspective,” paper presented at the *AAEA Annual Meeting*, Washington, D.C., August 4-6, 2013.
- **P340. Zilberman, David. “Sustainable Development: Lessons for Applied Economics,” Fellows Address for the *AAEA Annual Meeting*, Washington, D.C., August 4-6, 2013.
- **P341. Zilberman, David, Scott Kaplan, Eunice Kim, and Gina Waterfield. “Lessons from the California GM Labeling Proposition on the State of Crop Biotechnology,” paper presented at the *AAEA Annual Meeting*, Washington, D.C., August 4-6, 2013.
- **P342. Hochman, Gal, Scott Kaplan, and David Zilberman. “The Causes of Recent Food Commodity Crises,” paper presented at the *AAEA Annual Meeting*, Washington, D.C., August 4-6, 2013.
- **P343. Zilberman, David. “Comment on Papers on the Intellectual Property and R&D in Agricultural Biotechnology,” paper presented at the *AAEA Annual Meeting*, Washington, D.C., August 4-6, 2013.
- **P344. Iho, Antti, Doug Parker, and David Zilberman. “Optimal Regional Policies to Control Manure Nutrients to Surface and Ground Waters,” paper presented at the *AAEA Annual Meeting*, Washington, D.C., August 4-6, 2013.
- **P345. Zilberman, David. “Agricultural and Trade Policy and Behavioral Economics,” paper presented at the *AAEA Annual Meeting*, Washington, D.C., August 4-6, 2013.
- **P346. Strogon, Bret. “Transporting Fuels By Water, Road, Rail, and Pipe: Life-cycle Emissions from Petroleum and Biofuel Distribution,” paper presented at the *University of Delaware*, Newark, DE, October, 25, 2013.
- **P347. Strogon, Bret and David Zilberman. “Economic, Greenhouse Gas Emissions, and Employment Implications of Constructing U.S. Biofuel Pipelines,” poster presented at the *Industrial Ecology: Strategy for Green Economy*, University of Ulsan, South Korea, 2013.

- **P348. Bell, K., S. P. Souza, B. Strogon, and D. Zilberman. “Environmental and Economic Impacts of Ethanol Pipelines in Brazil: A Case Study,” paper presented at the *International Conference on Applied Energy*, Taipei, Taiwan, 2014.
- **P349. Du, Xiaoxue, Liang Lu, and David Zilberman. “The Economics of Contract Farming: A Credit and Investment Perspective,” paper presented at the *ASSA Annual Meeting*, Philadelphia, PA, January 3-5, 2014.
- **P350. Du, Xiaoxue, Liang Lu, and David Zilberman. “How Does Crop Insurance Purchase Affect Marketing Contracts Participation: The Case of Peanut,” paper presented at the *AAEA Annual Meeting*, Minneapolis, MN, July, 2014.
- **P351. Du, Xiaoxue, Jennifer Ifft, Liang Lu, and David Zilberman. “A Theoretic and Empirical Investigation on Interactions Among Risk Management Tools in US Agriculture,” paper presented at the *Chinese Economic Society Annual Meeting*, Guangzhou, China, 2014.
- **P354. Du, Xiaoxue, Jennifer Ifft, Liang Lu, and David Zilberman. “Credit Constraints and U.S. Federal Crop Insurance,” paper presented at the *Chinese Economic Society Annual Meeting*, Guangzhou, China, 2014.
- **P355. Du, Xiaoxue, Liang Lu, and David Zilberman. “Contract Farming, Innovation, and Technology Adoption,” paper presented at the *ASSA Annual Meeting*, Philadelphia, PA, January 3-5, 2014.
- **P356. Ifft, Jennifer, Liang Lu, Xiaoxue Du and David Zilberman. “Federal Crop Insurance and Credit Constraints: Theory and Evidence,” paper presented at the *AAEA Annual Meeting*, Minneapolis, MN, 2014.
- **P357. Khanna, Madhu, Hector Nunez, and David Zilberman. “The Political-Economy of Biofuel and Cheap Oil Policies in Brazil,” paper presented at the *AAEA Annual Meeting*, Minneapolis, MN, July, 2014.
- **P358. Strogon, Bret, Kenny Bell, and David Zilberman. “Life-cycle Environmental and Safety Assessment of Pipelines and Other Bulk Liquid Fuel Distribution Modes,” paper presented at the *International Conference on Applied Energy*, Taipei, Taiwan, 2014.
- **P359. Strogon, Bret and David Zilberman. “Complex Infrastructure-Vehicle-Consumer Considerations for Enabling Increased Consumption of Fuel Ethanol,” paper presented at the *International Conference on Applied Energy*, Taipei, Taiwan, 2014.
- **P360. Tregeagle, Daniel. “The Dynamic Supply Response of Perishable, Processable Perennial Crops: The Case of Brazilian Sugarcane,” paper presented at the *Department*

of Agricultural and Resource Economics, University of California at Berkeley, June, 2014.

- **P361. Zilberman, David. "Agricultural Productivity and the Bioeconomy," Roundtable at the *Seventh Annual Berkeley Bioeconomy Conference*, Berkeley, CA, March, 2014.
- **P362. Zilberman, David. "Climate Risk and California Agriculture," Panel Discussion at *Climate Change: Challenges to California's Agriculture and Natural Resources Conference*, Sacramento, CA, May, 2014.
- **P363. Zilberman, David. "What Will It Take to Get Energy Crops Off the Ground: Land Use Subsidies, Price Subsidies, and Crop Insurance," Panel Discussion at the *AAEA Annual Meeting*, Minneapolis, MN, July, 2014.
- **P364. Zilberman, David. "The Political Economy of Biofuels," paper presented at the *European Association for Agricultural Economics Conference*, Ljubljana, Slovenia, August, 2014.

Conference Organization

- CO1. Zilberman, David, and Jerome Siebert. *Symposium on the Economics of Reducing Pesticide Use*, University of California at Berkeley, October 26, 1990.
- CO2. Zilberman, David, Eithan Hochman, and David Bigman. *International Workshop and Conference on Food Problems in Developing Countries and the Potential Contribution of R&D to Their Solution*, Rehovot, Israel, December 10-13, 1990. Sponsored by BARD-US-Israel Agricultural Research and Development Fund, The Phillippe Monaster Center for Economics Research, and The Center for Research in Agricultural Economics, in collaboration with CINADCO - Ministry of Agriculture, Israel.
- CO3. Zilberman, David, R. Escalante, M. Pineiro, K. Reichelderfer, and A. Schmitz. *International Conference on Natural Resources and Environmental Management in an Interdependent World*, San Jose, Costa Rica, January 22-24, 1992. Sponsored by IICA and Resources for the Future.
- CO4. Zilberman, David. *The Economics of Water Markets in the West Conference*, Berkeley, California, July 17-18, 1997. Sponsored by the U. S. Environmental Protection Agency.
- CO4a. Zilberman, David. *Workshop on CO₂ Sequestration Schemes and Markets for Carbon Trading in U. S. Agriculture and Energy Sectors*. Phoenix Park Hotel, Washington, D. C., November 20, 1998. Sponsored by the U. S. Environmental Protection Agency and the Farm Foundation.

- CO5. Zilberman, David. *Conference on Agricultural Globalization, Trade and the Environment*, Alumni House, University of California at Berkeley, March 8, 1999. Sponsored by the College of Natural Resources, University of California at Berkeley; Department of Agricultural and Resource Economics, University of California at Berkeley; Institute of Food and Agricultural Sciences, University of Florida; Food and Resource Economics Department, University of Florida; and Ben Hill Griffin, Jr., Endowed Chair, University of Florida,
- CO6. Zilberman, David. Organizing committee member, *1999 6th Meeting of the International Water and Resource Economics Consortium*, Kamuela, Hawaii, June 29-July 2, 1999.
- CO7. Zilberman, David, and Andrew Schmitz. *Climate Change, Pest Control and Agriculture Conference*, University Centre Hotel, Gainesville, Florida, September 9, 1999. Sponsored by the U. S. Environmental Protection Agency and the Department of Food and Resource Economics, University of Florida. For more details, see http://news.ifas.ufl.edu/print/1999/99_0830.html
- CO8. Zilberman, David. *Conference on Carbon Sequestration and Climate Change: The Science and the Policy*, International House, University of California, Berkeley, March 23, 2000. Sponsored by the U. S. Environmental Protection Agency and the Center for Sustainable Resource Development, University of California at Berkeley, For more details, see <http://mailman.cloudnet.com/pipermail/compost/2000-February/000884.html>
- CO9. Zilberman, David. *Conference on Rural Policy: Issues, Data Needs, and Data Access*, Chevy Chase, Maryland, March 27, 2000. Sponsored by the Farm Foundation and the U. S. Economic Research Service, For more details, see <http://www.ext.nodak.edu/homepages/aeddept/dlambert/eval.htm>
- CO10. Zilberman, David, and Steven Wolf. *Conference on Biotechnology and the Public Interest: Prospects of Biotechnology in the Development and Developed World*, the International House, University of California, Berkeley, California, April 28, 2000. Sponsored by the Center for Sustainable Resource Development, University of California at Berkeley, and the UC Biotechnology Center.
- CO11. Zilberman, David. "Water Pricing and Markets," session organizer of the *75th Annual Western Economic Association International Conference*, Vancouver, British Columbia, June 29-July 3, 2000.
- CO12. Zilberman, David. "Technology Transfer and Intellectual Property," the *75th Annual Western Economic Association International Conference*, Vancouver, British Columbia, June 29-July 3, 2000.
- CO13. Evenson, Robert, Luigi Paganetto, Vittorio Santaniello, L. Pasquale Scandizzo, and David Zilberman. Steering committee of *the International Consortium on Agricultural Biotechnology Research (ICABR)*, Ravello, Italy, August 24-28, 2000.

- CO14. Zilberman, David, and Greg Graff. *Conference on Intellectual Property Clearinghouse Mechanisms for Agriculture*, Bancroft Hotel, Berkeley, California, February, 2001. Sponsored by the Farm Foundation, Rockefeller Foundation, and the Giannini Foundation.
- CO15. Evenson, Robert, Luigi Paganetto, Vittorio Santaniello, L. Pasquale Scandizzo, and David Zilberman. Steering committee of the *International Consortium on Agricultural Biotechnology Research (ICABR)*, Ravello, Italy, June 15-18, 2001.
- CO16. Zilberman, David, *Conference on The Farm Bill and the Environment*, Phoenix Park Hotel, Washington, D.C., June 28 and 29, 2001. Sponsored by the Giannini Foundation, University of California at Berkeley; Center for Agriculture and Rural Development, Iowa State University, Ames, Iowa; and the Henry A. Wallace Center for Agricultural and Environmental Policy, Kansas State University.
- CO17. Zilberman, David. *The 25th International Conference of Agricultural Economists Reshaping Agriculture's Contributions to Society*, Pre-conference Water Workshop, International Centre, Durban, South Africa, August 17, 2003.
- CO18. Zilberman, David. *Workshop on Energy and Sustainable Growth in California: New Horizons for Innovation and Adoption*, City Club of Berkeley, Berkeley, California, April 22, 2005. Sponsored by CSRD and Giannini Foundation, University of California at Berkeley.
- CO19. Zilberman, David. FAO Workshop, *Environmental Services for Poverty Reduction and Food Security*, Lebanon Room, FAO, Rome, Italy, May 30-31, 2005.
- CO20. Zilberman, David. *Sustainable Development and Environmental Management*, St. Petersburg State University, Petergoff Campus, June 2-12, 2005.
- CO21. Alston, Julian, Richard E. Just, and David Zilberman. *Conference on Economics of Regulation of Agricultural Biotechnologies*, Arlington, Virginia, March 10-12, 2005. Sponsored by the Farm Foundation, The University of Maryland Center for Agricultural and Natural Resource Policy, and Giannini Foundation.
- CO22. Zilberman, David. *Conference on The Intersection of Energy and Agriculture: Implications of Biofuels and the Search for a Fuel of the Future*, Bancroft Hotel and Faculty Club, UC Berkeley, October 4-5, 2007. Sponsored by the USDA Economic Research Service, Energy Biosciences Institute, Farm Foundation, and Giannini Foundation.
- CO23. Zilberman, David, Gale Summerfield, Jurgen Scheffran, and Madhu Khanna. *Conference on Sustainable Biofuels and Human Security Workshop*, University of Illinois, Urbana-Champaign, May 12, 2008.

- CO24. Zilberman, David. *Conference on the Future of Agricultural Biotechnology: Creative Destruction, Adoption, or Irrelevance?* 12th ICABR Conference in Honor of Vittorio Santaniello, Ravello, Italy, June 12-14, 2008.
- CO25. Zilberman, David. *Conference on Transition to a Bioeconomy: Risk, Infrastructure & Industry Evolution*, Doubletree Marina Hotel, Berkeley, California, June 24-25, 2008. Sponsored by the Farm Foundation USDA Office of Energy Policy and New Uses, USDA Economic Research Service, and Energy Biosciences Institute.
- CO26. Zilberman, David, and Carl Pray. *Conference on Biotechnology in Developing Countries*, Alumni House, UC Berkeley, January 23-24, 2009. Sponsored by International Consortium on Agricultural Biotechnology Research (ICABR), the Giannini Foundation, Berkeley Water Center, the Berkeley Institute of the Environment, and Energy Biosciences Institute.
- CO27. Zilberman, David. *Conference on Avian Influenza, Public Health, and Smallholders: Economic, Epidemiological, and Veterinary Modeling of Alternative Solutions*, Durant Hotel, Berkeley, California, April 16, 2009. Sponsored by United Nations FAO.
- CO28. Zilberman, David, and Carl Pray. *Conference on the Biofuel Situation and Policies in Developing Countries*, Bancroft Hotel, Berkeley, California, May 7-8, 2009. Sponsored by the USDA Office of Energy Policy and New Uses, USDA Economic Research Service, and Energy Biosciences Institute.
- CO29. Zilberman, David. *Conference on the Emerging Bio-Economy*, 13th ICABR Conference, Ravello, Italy, June 18-20, 2009.
- CO30. Zilberman, David. *Conference on Bioeconomy: Food, Energy and the Environment*, Lipman Room, UC Berkeley, July 1, 2009. Sponsored by the UCB Center of Sustainable Resource Development, Bearhs Environmental Leadership Program, and Energy Biosciences Institute.
- **CO31. Zilberman, David. *Third Annual Berkeley Bioeconomy Conference, The Current Situation of Biofuel: Economics, Policy, Technology, and Research*, Berkeley, CA, June 24-25, 2010.
- **CO32. Carter, Colin, Richard Sexton, and David Zilberman. *California's Climate Change Policy: The Economic and Environmental Impacts of AB 32*. The California Museum, Sacramento, October 4, 2010.
- **CO33. Zilberman, David. *Fourth Annual Berkeley Bioeconomy Conference: The State of Biofuel and Biotechnology*, Berkeley, CA, March 24-25, 2011.
- **CO34. Zilberman, David. *NC-1034 Conference: Biotechnology, Bioenergy, and Global Food Security*, Berkeley, CA, March 25-26, 2011.

- **CO35. Zilberman, David. *Fifth Annual Berkeley Bioeconomy Conference: Renewable Resources*, Berkeley, CA, March 26-28, 2012.
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