

July 23, 2017

CURRICULUM VITAE

NAME: **David Zilberman**

BUSINESS ADDRESS: Department of Agricultural and Resource Economics
207 Giannini Hall
University of California
Berkeley, California 94720
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HOME ADDRESS: 2728 Elmwood Avenue
Berkeley, California 94705
(510) 849-4605

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

President Elect of Agricultural & Applied Economics Association, 2017.

Member, European Academy of Sciences and Arts, November 2016.

Agricultural & Applied Economics Association, Quality of Communication Award (2015) for “Agricultural Biotechnology: The Promise and Prospects of Genetically Modified Crops” with Geoffrey Barrows, University of California, Berkeley; Steven Sexton, North Carolina State University (*Journal of Economic Perspectives*, 29:1, Winter 2014, 99-120).

Agricultural & Applied Economics Association, Quality of Communication Award: Honorable Mentions (2015) for “Climate Change: Challenges to California’s Agriculture and Natural Resources” with Colin Carter, University of California, Davis; Ben Santer, Lawrence Livermore National Laboratory; Maximilian Auffhammer, University of California, Berkeley; Alan Olmstead, University of California, Davis; Paul Rhode, University of Michigan; Richard

Howitt, University of California, Davis; Scott Kaplan, University of California, Berkeley (*ARE Update*, Vol. 18, No. 1 (September/October, 2014), pp. 1-20).

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 Martin 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 Geografia y Estadistica 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 Finkelstein, "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).

Thomas James Azwell, “Oil Spill Remediation and Restoration: The Fate and Consequences of Oil in the Environment,” 2012 (Member of Committee).

Avert Simon Cohn, “Examining and Supporting Agricultural Interventions to Reduce Deforestation in Brazil,” 2012 (Member of Committee).

Karen Zohar Weinbaum, “Wildlife Sustainability and Human Food Security in Cameroon, Central Africa,” 2012 (Member of Committee).

Steven Eric Sexton, “Essays in Behavioral Economics and Environmental Policy,” 2012 (Chairman of Committee).

Maria Susannah Bowman, “Essays on Externalities and Agriculture in the United States and Brazil,” 2013 (Chairman of Committee).

Di Zeng, “Essays on Estimation of a Nonlinear Commodity Price Model without a Closed-form Solution,” 2014 (Member of Committee).

Kiran Nari Torani, “Adoption of Renewable Energy Technologies Under Uncertainty,” 2014 (Member of Committee).

Renato Nunes de Lima Seixas, “Essays on Applied Economics,” 2014 (Chairman of Committee).

Manuel Fernando Barron, “Essays on Household Electrification in Developing Countries,” 2014 (Chairman of Committee).

Yang Xie, “Essays on Microeconomic Theory with Applications in Political and Resource Economics,” 2015 (Member of Committee).

Gina Moon Waterfield, “Essays on Environmental Economics,” 2015 (Chairman of Committee).

Zhen Sun, “Essays on using the IP system in Promoting Innovation and Economic Growth,” 2015 (Chairman of Committee).

Sikandra Smith Christian, “Economic Impacts of the Labor Intensive Works Program in Yemen,” 2015 (Member of Committee).

Geoffrey Masters Barrows, “Essays on Technology and the Environment from an International Perspective,” 2015 (Chairman of Committee).

Samuel Chester Heft-Neal, “The Non-Linear Relationship between Agricultural Productivity and the Environment and its Effects on Human Health and the Economy,” 2015 (Chairman of Committee).

Lu Liang, “Remote Sensing Monitoring and Ecological Modeling of Insect Outbreak Dynamics in the Southern Rocky Mountains Ecoregion,” 2015 (Chairman of Committee).

Moon Young Parks, “Essays on Technology Adoption and Provision Efficiency in Development Projects,” 2016 (Chairman 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, editors. *Modeling, Dynamics, Optimization and Bioeconomics I*. Springer Proceedings in Mathematics and Statistics. New York: Springer: 2014.
- **E17. Timilsina, Govinda, and David Zilberman, editors. *The Impacts of Biofuels on the Economy, Environment, and Policies*. Natural Resource Management and Policy. New York: Springer, 2014.
- **E18. Roland-Holst, David, and David Zilberman. *Asian energy at the crossroads*. World Scientific, 2017.
- **E19. Khanna, Madhu and David Zilberman, editors. *Handbook of Bioenergy Economics and Policy: Volume II*. New York: Springer, 2017.
- **E20. Lipper, Leslie, Nancy McCarthy, David Zilberman, Solomon Asfaw, Branca Giacomo, editors. *Climate Smart Agriculture: Building Resilience to Climate Change*. Natural Resource Management and Policy. New York: Springer, 2017.
- **E21. Pinto, Alberto Adrego, and David Zilberman, editors. *Modeling, Dynamics, Optimization and Bioeconomics II*. Springer Proceedings in Mathematics and Statistics. New York: Springer: 2017.

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.
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- 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.

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- 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.
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- 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.
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- 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.
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- 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.
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- 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.
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- 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>.

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- 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>.
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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>.

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- 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>.
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- 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.
- P141. Zilberman, David. "Implications of the Nonmarket Functions of Agricultural for Modeling and Data Collection," paper presented at the *76th Annual Western Economic Association International Conference*, San Francisco, California, July 4-8, 2001.
- P142. Hellegers, Petra, David Zilberman, and E. C. Van Ierland. "Dynamics of Agricultural Groundwater Extraction," paper presented at the *AAEA and CAES Annual Meeting*, Chicago, Illinois, August 5-8, 2001.
- P143. Zilberman, David. "Food Safety Policies: Science Versus Beliefs," paper presented at the *2nd World Congress of Environmental and Resource Economists*, Monterey, California, June 24-27, 2002.
- P144. Zilberman, David. "A Clearinghouse to Improve the Productivity of Intellectual Property Rights," paper presented at the *AAEA and WAEA Annual Meeting*, The Hyatt Regency, Long Beach, California, July 28-31, 2002.
- P145. Zilberman, David, and Karina Schoengold. "Water and Development: The Importance of Irrigation in Developing Countries," paper presented at the *Bretton Woods Conference on Agricultural Producers and Productivity*, Bretton Woods, New Hampshire, September 29-October 1, 2002.
- P146. Zilberman, David. "Creating Incentives for Sustainable Water Use," paper presented at the *Mountains: Sources of Water, Sources of Knowledge Scientific Conference*, Sion, Switzerland, October 8-11, 2002.
- P147. Zilberman, David. "The Economics of Climate Change in Agriculture," paper presented at the *International Conference on Climate Change and Environmental Policy*, University of Illinois at Urbana-Champaign, Urbana, Illinois, November 11-12, 2002.
- P148. Zilberman, David. "Biodiversity, Biotechnology and Intellectual Property Rights," paper presented at *Allied Social Science Associations Annual Meetings*, Washington, D. C., January 3-5, 2003.

- P149. Zilberman, David. "The Economics of Land Zoning: A Dynamic Approach," paper presented at *Workshop on Equilibrium Modeling Approaches at the Boundaries of Industrial Organization, Public Economics, and Environmental Economics*, Stanford University, Palo Alto, California, February 28-March 1, 2003.
- P150. Zilberman, David. "The Role of Information," paper presented at *Performance-Based Environmental Policies for Agriculture Workshop*, Waugh Conference Center, USDA Economic Research Service, Washington, D. C., March 20-21, 2003.
- P151. Zilberman, David. "Sustainable Management of Water," paper presented at conference sponsored by Cal Fed and Chico State University on the *Economic Value of Environmental Resources: General Methodology and Case Studies*, Chico State University, Chico, California, April 25, 2003.
- P152. Zilberman, David. "An Integrated, Multi-Dimensional, Risk-Management Approach to Controlling Invasive Species," paper presented at *Economics of Invasive Species Workshop*, Washington, D. C., May 12-13, 2003.
- P153. Zilberman, David, Greg Graff, David Roland-Holst. "Agricultural Biotechnology and Globalization: How Will Public-Private Partnerships Evolve?" paper presented at the *Environmental Costs and Benefits of Transgenic Crops in Europe: Frontis Workshop*, Wageningen University, Holland, June 1-4, 2003.
- P154. Zilberman, David. "Agricultural Economics: Still a Distinct Field?" paper presented at the *AAEA • RSS • CAES Annual Meeting*, Montreal, Canada, July 27-30, 2003. Co-Sponsored by the Association of Environmental and Resource Economists.
- P155. Zilberman, David. "The Economic Impact of Climate Change," paper presented at Symposium *AAEA • RSS • CAES Annual Meeting*, Montreal, Canada, July 27-30, 2003. Co-Sponsored by the Association of Environmental and Resource Economists.
- P156. Zilberman, David. "Agricultural Development Retrospective," paper presented at *The 25th International Conference of Agricultural Economists Reshaping Agriculture's Contributions to Society*, International Centre, Durban, South Africa, August 16-22, 2003.
- P157. Zilberman, David. "Water Reforms, Institutions' Performance, Allocation, Pricing, and Resource Accounting," paper presented at *The 25th International Conference of Agricultural Economists Reshaping Agriculture's Contributions to Society*, International Centre, Durban, South Africa, August 16-22, 2003.

- P158. Zilberman, David. "Productivity, Access, and Risk: The Keys to Biotechnology in Developing Countries," keynote paper presented at the *Heartland Environmental and Resource Economics Workshop*, Scheman Building, Iowa State Center, Ames, Iowa, September 21-22, 2003.
- P159. Zilberman, David, Nicholas Brozovik, and David Sunding. "Measuring the Gains from Groundwater Management When User Cost Varies Over Space," paper presented at the *Heartland Environmental and Resource Economics Workshop*, Scheman Building, Iowa State Center, Ames, Iowa, September 21-22, 2003.
- P160. Schoengold, Karina, and David Zilberman. "Economics of Water Quality and Agriculture," paper presented at an *OECD Expert Meeting*, Gyeongju, The Republic of Korea, October, 2003.
- P161. Zilberman, David. "Economic Implications of Ag Biotechnology in a Regulated Economy and Subsidized Agriculture," paper presented at *the Norwegian Study Tour: Novel Foods, Functional Foods, Nutraceuticals, GM Foods*, University of California, Davis, California, October 23-24, 2003.
- P162. Zilberman, David. "Agricultural Biotechnology: Productivity, Biodiversity, and Intellectual Property Rights," paper presented at a conference on *The Role of GMOs in Trade Disputes*, The Menger Hotel, San Antonio, Texas, October 30-31, 2003.
- P163. Cash, Sean, David Sunding, and David Zilberman. "Health Tradeoffs in Pesticide Regulation," paper presented at the *Agricultural Institute of Canada Foundation Conference: From the Farm Gate to the Dinner Plate*, The Westin Edmonton, Edmonton, Alberta, November 2-4, 2003.
- P164. Zilberman, David. "Improving Agriculture's Global Competitiveness and Profitability," keynote paper presented at *Positioning Agricultural and Resource Economics: From Priorities to Action*, San Antonio, Texas, November 6, 2003.
- P165. Zilberman, David, "Yield Effects of Genetically Modified Crops in Developing Countries," paper presented at the *Transgenics and the Poor: Science, Regulation and Development Strategy*, McManus Lounge, Hollister Hall, Cornell University, Ithaca, New York, November 7-8, 2003.
- P166. Zilberman, David, "The Evolution of Water Institutions and Policies," paper presented at the *Economics of Water and Agriculture: An International Workshop in Honor of Professor Yoav Kislev*, The Hebrew University of Jerusalem, Jerusalem, Israel, December 18, 2003.

- P167. Zilberman, David. "Precision Farming in Cotton in California in Decision Aids: Tomorrow's Solutions Today's Cotton," paper presented at the *Beltwide Cotton Conference*, San Antonio, Texas, January 5, 2004.
- P168. Zilberman, David. "Global Trends in Agricultural Technology and Their Impact for Outward Oriented Developing Countries," paper presented at the *Conference on Vietnam's International Economic Integration—Opportunities and Challenges*, Melia Hanoi Hotel, Hanoi, Vietnam, March 29-30, 2004.
- P169. Zilberman, David. "New Waves of Information Technology," paper presented at *Workshop on Economic Opportunities for Information Technologies in Agriculture, Resources, and the Environment: Linking University Research and Commercial Application*, Faculty Club, University of California, Berkeley, California, May 27, 2004.
- P170. Zilberman, David. "Economics of Water Quality," paper presented at *ZEW Summer Workshop: The Management of Global Commons*, Mannheim, Germany, June 21-23, 2004.
- P171. Zilberman, David. "Water Supply, Water Technology and the Environment," paper presented at *ZEW Summer Workshop: The Management of Global Commons*, Mannheim, Germany, June 21-23, 2004.
- P172. Zilberman, David. "The Effects of Market Structure on Pest Resistance Buildup," paper presented at *Annual Meeting of the American Agricultural Economics Association*, Denver, Colorado, August 1-4, 2004.
- P173. Zilberman, David (Discussant). "Media, Information and Consumer Choice," principal paper presented at *Annual Meeting of the American Agricultural Economics Association*, Denver, Colorado, August 1-4, 2004.
- P174. Zilberman, David. "The Evolution of Water Institutions," keynote speaker at *International Symposium on Water and Sustainable Development*, Justus-Liebig University, Giesen, Germany, October, 2004.
- P175. Zilberman, David (Discussant). "Effects of Ozone in Ambient Air," comments made at *Workshop on Representations of Dose-Response Relationships for Chemicals Associated with Non-Cancer Effects and Their Policy Implications*, Jack London Waterfront Plaza Hotel, Oakland, California, January 27-28, 2005.
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- P210. Zilberman, David. “Technology Adoption and Competitiveness in Agriculture,” keynote paper presented at the *University of Copenhagen Workshop on Innovation and Technology Adoption in Danish Agriculture*, Copenhagen, Denmark, November 8, 2007.
- P211. Zilberman, David. “Fuel vs. Food: What Role for Bioenergy?,” paper presented at the *European Environment Agency Conference on Innovation and Technology Adoption Seminar (Institute of Food and Resource Economics)*, Copenhagen, Denmark, November 9, 2007.
- P212. Zilberman David. “The Economic of Assessing Water Stress,” *Workshop on Indicators Development. An Approach of the Aqua Stress Project*, Basel, Switzerland, November 12, 2007.
- P213. Zilberman, David. “The Theory and Main Policy Issues of Water Pricing in Agriculture—Taking into Account Economic and Environmental Aspects?” *OECD Expert Meeting on Sustainable Financing for Affordable Water Services: From Theory to Practice*, Paris, France, November 14-15, 2007.

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- P220. Zilberman, David. "Agrobiodiversity and Climate Change," paper presented at *DIVERSITAS 75th Symposium on Biodiversity and Ecosystem Services in Agricultural Landscapes*, UC Davis, April 7, 2008.
- P221. Zilberman, David. "The Economics of Biofuel," invited seminar paper presented at the Department of Earth and Environmental Engineering, Columbia University, New York, N.Y., April 11, 2008.
- P222. Zilberman, David. "Yield Effects of Genetically-Modified Crops in Developing Countries," invited paper presented at the *International Award for Research in Agrochemicals Symposium in Honor of Dr. Frederick J. Perlak*, American Chemical Society 234th National Meeting and Exposition, Boston, Massachusetts, August 19, 2007.

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- P232. Sexton, Steven, Deepak Rajagopal, David Zilberman, and Gal Hochman. "Food Versus Fuel: How Biofuels Make Food More Costly and Gasoline Cheaper," presented at the

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- P233. Rajagopal, Deepak, Gal Hochman, and David Zilberman. "Regulation of GHG Emissions from Biofuel Blended Energy," paper presented at the *Farm Foundation Conference*, St. Louis, Missouri, October 15-16, 2008.
- P234. Zilberman, David. "Smallholder Livelihoods, Poultry Markets, and HPAI Risk: Lessons from the Mekong Region," paper presented at the *Pro-Poor HPAI Risk Reduction Strategies—A DFID Funded Research Program: Second Meeting of the Steering Committee*, Sharm El Sheik, Egypt, October 27, 2008.
- P235. Zilberman, David. "Incorporating Science into Economics Analysis," a keynote paper presented at the *Workshop on Socioeconomic Impacts of Biofuel, the Road Ahead*, Chicago, Illinois, November 14, 2008.
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- P246. Zilberman, David. "The Economics of the Bioeconomy," invited lecture presented at the *Bioresource Series Lecture*, University of Saskatoon, Saskatchewan, March 27, 2009.
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- P249. Zilberman, David. "Innovation Behavior in Dairy Farming—Peer-Group Effects and Sequential Decisions," paper presented at the *AAEA & ACCI 2009 Joint Annual Meeting*, Milwaukee, Wisconsin, July 26, 2009.
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- P252. Serra, Teresa, and David Zilberman. "Price Volatility in Ethanol Markets," selected paper presented at the *AAEA & ACCI 2009 Joint Annual Meeting*, Milwaukee, Wisconsin, July 27, 2009.

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- P259. Zilberman, David, Gal Hochman, and Seth Saltiner. "The Economics of Cotton Oilseed," invited paper presented at the *Cotton Incorporated Seminar*, Cary, North Carolina, September 3, 2009.
- P260. Zilberman, David. "Heterogeneity, Incentives and Policies for Suitable Water Use," paper presented at the *Italian Department of Agriculture (INEA) Workshop*, Rome, Italy, September 8, 2009.
- P261. Zilberman, David. "Cost Benefit Analysis for Water Resource Management," paper presented at the *Italian Department of Agriculture (INEA) Workshop*, Rome, Italy, September 9, 2009.
- P262. Zilberman David "Fueling the Tank and Feeding the Stomach," paper presented at the *Environmental Science Forum*, Michigan State University, October 15, 2009.
- P263. Zilberman, David, Deepak Rajagopal, Gal Hochman and Steve Sexton. "The Economics of Biofuel, Food, and the Environment," paper presented at the *Economics of Alternative Energy Sources and Globalization: The Road Ahead Conference*,

Orlando, Florida, November 16, 2009.

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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.
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- 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.

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- 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.
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- 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.

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- 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.
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- 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.
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- 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 presented 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*, Ashville, 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.
- P349. 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: Implications to 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. Poudel, Biswo N., Krishna P. Paudel, and David Zilberman. "Transboundary Extraction of Groundwater in the Presence of Hydraulic Fracturing." In *2014 Allied Social Science Association (ASSA) Annual Meeting, January 3-5, 2014, Philadelphia, PA*, no. 161891. Agricultural and Applied Economics Association, 2013.

- **P347. Sproul, Tom, and David Zilberman. “The Economics of Shallow-Loss Crop Insurance: Deductibles vs. Coinsurance Policies”, paper invited at the SCC-76 Risk Group Annual Meeting, Pensacola, Florida, March 15, 2013.
- **P348. Strogen, 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.
- **P349. Hamilton, Stephen F., San Luis Obispo, David L. Sunding, and David Zilberman. “Environmental Policy with Collective Waste Disposal,” paper presented at the *AAEA Annual Meeting*, Washington, D.C., August 4-6, 2013.
- **P350. Strogen, 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.
- **P351. Bell, K., S. P. Souza, B. Strogen, 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.
- **P352. Strogen, 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.
- **P353. 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.
- **P354. 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.
- **P355. 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.
- **P356. 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.

- **P357. Strogen, 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.
- **P358. Zilberman, David. "The Economic Impacts of GMOs – The Past and the Present." In *Pests, Germs and Seeds: The Economics of Policies, Programs, and Technologies for Managing Agricultural Pests and Diseases*, Davis, California, March 28-29. 2014.
- **P359. Zilberman, David, and Rebecca Taylor. "Assessing the Economic Impacts of Extension in California-Application of Irrigation and Application For Pest Control." In *Pests, Germs and Seeds: The Economics of Policies, Programs, and Technologies for Managing Agricultural Pests and Diseases*, Davis, California, March 28-29. 2014.
- **P360. Zilberman, David. "Agricultural Productivity and the Bioeconomy," Roundtable at the *Seventh Annual Berkeley Bioeconomy Conference*, Berkeley, CA, March, 2014.
- **P361. 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.
- **P362. Zilberman, David, and Scott Kaplan. "What the Adoption Literature can teach us about Social Media and Network Effects on Food Choices." In *2014 AAEE/EAAE/CAES Joint Symposium: Social Networks, Social Media and the Economics of Food*, May 29-30, 2014, Montreal, Canada, no. 173076. Agricultural and Applied Economics Association & Canadian Agricultural Economics Society & European Association of Agricultural Economists, 2014.
- **P363. 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.
- **P364. Zilberman, David. "The Economics of Water Project Capacities and Conservation Technologies." In *Fifth World Congress of Environmental Economics*, Istanbul, Turkey, June 28-July 2. 2014.
- **P365. Zilberman, David. "The Impact of Agricultural Biotechnology on Supply and Land Use." In *Fifth World Congress of Environmental Economics*, Istanbul, Turkey, June 28-July 2. 2014.

- **P366. 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.
- **P367. 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, July, 2014.
- **P368. 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.
- **P369. 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 2014 Annual Meeting*, Minneapolis, MN, July 27-29, 2014.
- **P370. Du, Xiaoxue, Jennifer Ifft, Liang Lu, and David Zilberman. "Are Agricultural Contract and Crop Insurance Complements or Substitutes: Theory and Empirical Evidence." In *AAEA 2014 Annual Meeting*, Minneapolis, MN, July 27-29, 2014.
- **P371. Xie, Yang, and David Zilberman. "The economics of water project capacities and conservation technologies." In *AAEA 2014 Annual Meeting*, Minneapolis, MN, July 27-29, 2014.
- **P372. Khanna, Madhu, and David Zilberman. "The Political-Economy of Biofuel and Cheap Oil Policies in Brazil." In *AAEA 2014 Annual Meeting*, Minneapolis, MN, July 27-29, 2014.
- **P373. Ifft, Jennifer, and David Zilberman. "Federal Crop Insurance and Credit Constraints: Theory and Evidence." In *AAEA 2014 Annual Meeting*, Minneapolis, MN, July 27-29, 2014.
- **P374. Zilberman, David. "Agricultural Biotechnology: The Promise and the Prospects." In *Fifth World Congress of Environmental Economics*, Istanbul, Turkey, June 28-July 2, 2014.
- **P375. Zilberman, David. "The Political Economy of Biofuels," paper presented at the *European Association for Agricultural Economics Conference*, Ljubljana, Slovenia, August, 2014.

- **P376. Zilberman, David. "The lose of underutilizing GMO." In *Wally Huffman Conference*, Aims, Iowa, August 1. 2014.
- **P377. Zilberman, David. "The Cost of Delays in Biotech Regulatory Approvals." In *D.C. Biotechnology Round Table*, Washington, D.C., August 13. 2014.
- **P378. Zilberman, David. "The Cost of Delays in Biotech Regulatory Approvals." In *Genetically Modified Food Crops in Asia and Africa: Opportunities, Barriers and Constraints Symposium and Workshop*, September 17, 2014, Rutgers University, 2014.
- **P379. Zilberman, David. "The Important Role of GMOs in Advancing Sustainability." *Sustainability Speaker Series*, March 5, 2015, Middlebury Institute of International Studies, Monterey, 2014.
- **P380. Zilberman, David. "The Important Role of GMOs in Advancing Sustainability." North Carolina State University, April 10, 2015.
- **P381. Zilberman, David. "The Economics and Political Economy of Biotech and Biofuel." In *Berkeley-Tel Aviv Workshop on the Bioeconomy*, April 27, 2015, Tel Aviv University, 2015.
- **P382. Zilberman, David. "Indirect land use change: much ado about (almost) nothing." In *2015 Annual Meeting of the International Consortium on Applied Bioeconomy Research*, Ravello, Italy, June 17, 2015.
- **P383. Zilberman, David. "The relevance of micro-level data for projecting the impact of and adaptability to climate change in agriculture production," In *2015 Annual Meeting of the International Consortium on Applied Bioeconomy Research*, Ravello, Italy, June 17, 2015.
- **P384. Taylor, Rebecca, and David Zilberman. "The diffusion of process innovation: the case of drip irrigation in California." In *2015 AAEA & WAEA Joint Annual Meeting, July 26-28, San Francisco, California*. Agricultural and Applied Economics Association & Western Agricultural Economics Association, 2015.
- **P385. Xie, Yang, and David Zilberman. "Water Storage Capacities versus Conservation Efficiency: Substitutes or Complements?." In *2015 AAEA & WAEA Joint Annual Meeting, July 26-28, San Francisco, California*. Agricultural and Applied Economics Association & Western Agricultural Economics Association, 2015.
- **P386. Zilberman, David (Discussant). "The Political Economy of the Global Bio-Economy." In *2015 AAEA & WAEA Organized Symposium "The Political Economy of Food and*

Bio-Energy Policy in an Age of Price Volatility: International Perspectives", July 26-28, San Francisco, California. Agricultural and Applied Economics Association & Western Agricultural Economics Association, 2015.

- **P387. Zilberman, David (Moderator). In *2015 AAEA & WAEA Organized Symposium "Sustainable Management Approaches to Address Water Scarcity in the 21st Century"*, July 26-28, San Francisco, California. Agricultural and Applied Economics Association & Western Agricultural Economics Association, 2015.
- **P388. Iho, Antti, Doug Parker, and David Zilberman. "Optimal Regional Regulation of Animal Waste." In *2015 Conference, August 9-14, 2015, Milan, Italy*, no. 211780. International Conference of Agricultural Economists, 2015.
- **P389. Schmitz, Andrew, David Zilberman, and Manhong Zhu. *Trans-Pacific Partnership, GMOs, and Japan's Agricultural Trade*. No. 229242. International Agricultural Trade Research Consortium, 2015.
- **P390. Zilberman, David. "The Tale of Drip Irrigation in California." In *Water Pricing for a Dry Future*, February 2-3, UC Center Sacramento, 2016.
- **P391. Dinar, Ariel, and David Zilberman. "Lessons learned from the Country Experiences presented in the workshop." In *Water Pricing for a Dry Future*, February 2-3, UC Center Sacramento, 2016.
- **P392. Zilberman, David. "Role of GMOs in Feeding 9 Billion People." February 18, 2016, Aquarium of the Pacific, Long Beach. 2016.
- **P393. Zilberman, David. "Agricultural Biotechnology: The Promise and Prospects of Genetically Modified Crops." In *Genetically Modified Organisms: Separating Fact from Fiction*, March 2, Aquarium of the Pacific, Long Beach. 2016.
- **P394. Du, Xiaoxue, Calum Turvey, Yuehua Zhang, and David Zilberman. "Risk Balancing, Credit Constraints, and Input Use: A Natural Experiment from Hog Farmers in China." In *SCC-76 Meeting, March 17-19, 2016, Pensacola, Florida*, no. 233767. SCC-76: Economics and Management of Risk in Agriculture and Natural Resources, 2016.
- **P395. Zilberman, David. "Strategic concepts for designing supply chains of innovation in technology and product design in the context of rapidly transforming markets." In *2016 Strategic Business Perspectives on Innovation in Agrifood Supply Chains in Emerging vs Developed Markets Workshop, April 19, Berkeley, California*, 2016.

- **P396. Rausser, Gordon, David Zilberman, and Harold Schmitz. "How businesses can avail of partnerships with universities to enhance their capacity to innovate in products, technologies, and supply chains." In *2016 Strategic Business Perspectives on Innovation in Agrifood Supply Chains in Emerging vs Developed Markets Workshop, April 21, Berkeley, California, 2016*.
- **P397. Filip, Ondrej, Ladislav Kristoufek, and David Zilberman. "Foods, Fuels or Finances: Which Prices Matter for Biofuels?." *European Association of Environmental and Resource Economists (EAERE) 22nd Annual Conference, Zurich, Switzerland, June 22-25, 2016*.
- **P398. Kaplan, Scott, Justus Wesseler, and David Zilberman. "The Loss from Underutilizing GM Technologies." *European Association of Environmental and Resource Economists (EAERE) 21st Annual Conference, Helsinki, Finland, June 24-27, 2016*.
- **P399. Kristoufek, Ladislav, and David Zilberman. "Co-movements of Ethanol Related Prices: Evidence from Brazil and the USA." *European Association of Environmental and Resource Economists (EAERE) 21st Annual Conference, Helsinki, Finland, June 24-27, 2016*.
- **P400. Xie, Yang, and David Zilberman. "Water Storage Capacities Versus Conservation Efficiency: Substitutes or Complements?." *European Association of Environmental and Resource Economists (EAERE) 21st Annual Conference, Helsinki, Finland, June 24-27, 2016*.
- **P401. Zilberman, David (Discussant). "Producer-Public Partnerships—Principles and Practice, Policies and Politics," In *2016 Annual Meeting of the International Consortium on Applied Bioeconomy Research, Ravello, Italy, June 26, 2016*.
- **P402. Zilberman, David (Session Chair). "Ten Years of Modern Biofuel," In *2016 Annual Meeting of the International Consortium on Applied Bioeconomy Research, Ravello, Italy, June 27, 2016*.
- **P403. Hochman, Gal, and David Zilberman. "The impact of biofuels on food and fuel prices and GHG emissions- a meta-analysis," In *2016 Annual Meeting of the International Consortium on Applied Bioeconomy Research, Ravello, Italy, June 27, 2016*.
- **P404. Zilberman, David (Session Chair). "Environment," In *2016 Annual Meeting of the International Consortium on Applied Bioeconomy Research, Ravello, Italy, June 27, 2016*.

- **P405. Zilberman, David (Session Chair). "Supply Chain, Development and the Bioeconomy," In *2016 Annual Meeting of the International Consortium on Applied Bioeconomy Research*, Ravello, Italy, June 28, 2016.
- **P406. Hochman, Gal, and David Zilberman. "Corn ethanol and us biofuel policy ten years later: A systematic review and meta-analysis." In *2016 Annual Meeting of Agricultural and Applied Economics Association*, July. 2016.
- **P407. Hochman, Gal, and David Zilberman. "The Political Economy of Embodied Technologies." In *2016 AAEA Annual Meeting, July 31-August 2, 2016, Boston, Massachusetts*. Agricultural and Applied Economics Association, 2016.
- **P408. Hochman, Gal, and David Zilberman. "Corn Ethanol and U.S. Biofuel Policy Ten Years Later: A Systematic Review and Meta-Analysis." In *2016 AAEA Annual Meeting, July 31-August 2, 2016, Boston, Massachusetts*. Agricultural and Applied Economics Association, 2016.
- **P409. Zilberman, David (Moderator). *2016 AAEA Annual Meeting "Economics of Biofuels", July 31-August 2, 2016, Boston, Massachusetts*. Agricultural and Applied Economics Association, 2016.
- **P410. Parks, Moon, Sangeeta Bansal, and David Zilberman. "Fit-Risk in Development Projects: Role of Demonstration in Technology Adoption." In *2016 AAEA Annual Meeting, July 31-August 2, 2016, Boston, Massachusetts*. Agricultural and Applied Economics Association, 2016.
- **P411. Du, Xiaoxue, Calum G. Turvey, Yuehua Zhang, and David Zilberman. "Risk Balancing, Credit Constraint, and on Credit Input Use: A Natural Experiment Approach from Hog Farmers in China." In *2016 AAEA Annual Meeting, July 31-August 2, 2016, Boston, Massachusetts*. Agricultural and Applied Economics Association, 2016.
- **P412. Tregeagle, Daniel, and David Zilberman. "The Yield Dynamics of Perennial Crops: An Application to Sugarcane in Brazil." In *2016 AAEA Annual Meeting, July 31-August 2, 2016, Boston, Massachusetts*. Agricultural and Applied Economics Association, 2016.
- **P413. Zilberman, David (Organizer and Panelist). *2016 AAEA Annual Meeting Organized Symposium "Agricultural Economics as a Behavioral Discipline", July 31-August 2, 2016, Boston, Massachusetts*. Agricultural and Applied Economics Association, 2016.
- **P414. Zilberman, David (Organizer and Moderator). *2016 AAEA Annual Meeting "Regulatory Technology Policies: A Real Option View", July 31-August 2, 2016, Boston, Massachusetts*. Agricultural and Applied Economics Association, 2016.

- **P415. Zilberman, David. "Agricultural Biotechnology: The Promise and Prospects of Genetically Modified Crops." In *Food First, September 1, 2016, Berkeley, California, 2016*.
- **P416. Zilberman, David. "IPR, Regulation and Realizing the Potential of a new Biotechnology innovations." In *2016 Gene Editing in an international Context: Scientific, Economic and Social Issues across Sectors Workshop, September 29-30, 2016, Ottawa, Canada, 2016*.
- **P417. Zilberman, David. "New Paradigms for Food Production, Distribution, and Consumption." In *2016 Berlin Symposium "That's for eats! - Orientation versus Paternalism", November 2016, Berlin, Germany, 2016*.
- **P418. Zilberman, David. "Agricultural Biotechnology: The Promise and Prospects of Genetically Modified Crops." In *31st Biannual Research and Training Workshop, Kathmandu, Nepal, SANDEE, December 10, 2016*.
- **P419. Bansal, Sangeeta, and David Zilberman. "Does health care expenditure counter adverse effects of obesity on health: Evidence from global data." In *2017 Allied Social Science Association (ASSA) Annual Meeting, January 6-8, 2017, Chicago, Illinois, 2017*.
- **P420. Zilberman, David. "Agricultural Biotechnology: The Promise and Prospects of Genetically Modified Crops." In *Food First, February 1, 2017, Berkeley, California, 2017*.
- **P421. Zilberman, David. "Conserving Water Quantity: Risks and Benefits." In *Water Resources & Policy: Exploring the Risks, Benefits and Opportunities for Conservation, March 20, 2017, Washington D.C., The Council on Food, Agricultural & Resource Economics, 2017*.
- **P422. Zilberman, David. "The Economics of Sustainable Development." In *Spring Speaker Series, May 17, 2017, Portland State University, 2017*.
- **P423. Zilberman, David (Session Chair). "Breakthroughs in Science," In *2017 Annual Meeting of the International Consortium on Applied Bioeconomy Research, Berkeley, California, May 30-June 2, 2017*.
- **P424. Zilberman, David (Session Chair). "Investments in Public and Private R&D and Contributions to Technology Development and Agricultural Productivity," In *2017 Annual Meeting of the International Consortium on Applied Bioeconomy Research, Berkeley, California, May 30-June 2, 2017*.

- **P425. Bell, Kendom Bell, and David Zilberman. "The Potential for Renewable Fuels under Greenhouse Gas Pricing: The Case of Sugarcane," In *2017 Annual Meeting of the International Consortium on Applied Bioeconomy Research*, Berkeley, California, May 30-June 2, 2017.
- **P426. Graff, Greg, and David Zilberman. "Controlling CRISPR," In *2017 Annual Meeting of the International Consortium on Applied Bioeconomy Research*, Berkeley, California, May 30-June 2, 2017.
- **P427. Zilberman, David, Scott Kaplan, and Justus Wesseler. "Incorporating Biotechnology and Biofuel," In *2017 Annual Meeting of the International Consortium on Applied Bioeconomy Research*, Berkeley, California, May 30-June 2, 2017.
- **P428. Zilberman, David (Session Chair and Organizer). "Climate Smart Agriculture – Adapting to Climate Change in Developing Countries." *European Association of Environmental and Resource Economists (EAERE) 23rd Annual Conference*, Athens, Greece, June 28-July 1, 2017.
- **P429. Janda, Karel, Ondrej Filip, Ladislav Kristoufek, and David Zilberman. "Foods, fuels or finances: which prices matter for biofuels?." *European Association of Environmental and Resource Economists (EAERE) 23rd Annual Conference*, Athens, Greece, June 28-July 1, 2017.
- **P430. Hochman, Gal, and David Zilberman. "The political economy of market mediated incentives: the case of embodied technologies." *European Association of Environmental and Resource Economists (EAERE) 23rd Annual Conference*, Athens, Greece, June 28-July 1, 2017.
- **P431. Castillo, Federico, Keith Gilles, Angels Xabadia, and David Zilberman. "An integrated analysis of visitation and information-generation activities for protected areas." *European Association of Environmental and Resource Economists (EAERE) 23rd Annual Conference*, Athens, Greece, June 28-July 1, 2017.
- **P432. Zilberman, David (Co-organizer and Chair). "Nudging the Environment." *European Association of Environmental and Resource Economists (EAERE) 23rd Annual Conference*, Athens, Greece, June 28-July 1, 2017.
- **P433. Zilberman, David (Chair). "Renewable Energy: Spatial Analysis." *European Association of Environmental and Resource Economists (EAERE) 23rd Annual Conference*, Athens, Greece, June 28-July 1, 2017.

- **P434. Zilberman, David, and Kendon Bell. "The potential for renewable fuels under greenhouse gas pricing: the case of sugarcane in Brazil." *European Association of Environmental and Resource Economists (EAERE) 23rd Annual Conference*, Athens, Greece, June 28-July 1, 2017.
- **P435. Zilberman, David. "Bioeconomy Innovations and CSA," In *2017 Annual Meeting of the International Consortium on Applied Bioeconomy Research*, Berkeley, California, May 30-June 2, 2017.

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. Reicheldorfer, 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 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.
- CO36. Zilberman, David. *Brazil/EBI, Expanding Biofuels Orientation*, Berkeley, CA, March 26, 2013.
- CO37. Zilberman, David. *Sixth Annual Berkeley Bioeconomy Conference: The Bioeconomy After the Election*, Berkeley, CA, March 27-28, 2013.
- **CO38. Zilberman, David. *Seventh Annual Berkeley Bioeconomy Conference: Biofuel as Part of a Sustainable Strategy*, Berkeley, CA, March 26-27, 2014.
<http://www.berkeleybioeconomy.com/program-2014/>.
- **CO39. Zilberman, David. *Eighth Annual Berkeley Bioeconomy Conference: The Future of Biofuels*, Berkeley, CA, April 1-2, 2015.
<http://www.berkeleybioeconomy.com/program-2015/>.
- **CO40. Zilberman, David. *Water Pricing for a Dry Future*, UC Center Sacramento, February 2-3, 2016.
- **CO41. Hochman, Gal, Madhu Khanna, and David Zilberman. *The Bio-Economy: Technology and Policy Path Forward*, Rutgers University, New Brunswick, New Jersey, September 20-October 1, 2016. <http://www.cpe.rutgers.edu/bio-economy/>.
- **CO42. Zilberman, David, Thomas Reardon, and Justus Wesseler. *Strategic Perspectives on Innovation in Agrifood Supply Chains 2016*, Berkeley, CA, April 19-21, 2016.
<https://iep.berkeley.edu/content/strategic-perspectives-innovation-agrifood-supply-chains-2016>.
- **CO43. Zilberman, David. *Annual International Consortium on Applied Bioeconomy Research: Bioeconomy in Transition- New Players and New Tools*, Berkeley, CA, March 30-June 2, 2017. <http://economia.uniroma2.it/icabr/conference-2017/>.
- **CO44. Zilberman, David, Thomas Reardon, John Scharffenberger, and Stuart Woolf. *Strategic Perspectives on Innovation in Agrifood Supply Chains 2016*, Berkeley, CA,

April 18-20, 2017. <https://iep.berkeley.edu/content/strategic-perspectives-innovation-agrifood-supply-chains-profitability-sustainability-and>.

- **CO45. Zilberman, David, Stephan Becker-Sonnenschein, and Justus Wesseler. *Global Food Summit 2017*, Berlin, Germany, November 29-30, 2017. <http://www.globalfoodsummit.com>.

Co-Edited Series

Series Coeditors (David Zilberman, Alberto Garrido, and Renan Goetz), *Natural Resource Management and Policy*, Springer, New York (book series formerly owned by Kluwer Academic Publishers, Norwell Massachusetts). Titles published to date include:

- S1. Russell, Clifford S., and Jason F. Shogren, editors. *Theory, Modeling and Experience in the Management of Nonpoint-Source Pollution*, 1993.
- S2. Wilhite, Donald A., editor. *Drought Assessment, Management, and Planning: Theory and Case Studies*, 1993.
- S3. Gowdy, John M. *Coevolutionary Economics: The Economy, Society and the Environment*, 1994.
- S4. Hueth, Darrell L., and William H. Furtan, editors. *Economics of Agricultural Crop Insurance: Theory and Evidence*, 1994.
- S5. Schmitz, Andrew, Kirby Moulton, Allan Buckwell, and Sofia Davidova, editors. *Privatization of Agriculture in New Market Economies: Lessons from Bulgaria*, 1994.
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- S13. Easter, K. William, M. W. Rosegrant, and Ariel Dinar, editors. *Markets for Water*, 1998.
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- S16. Spulber, Nicolas, and Asghar Sabbaghi. *Economics of Water Resources: From Regulation to Privatization, Second Edition*, 1998.
- S17. Casey, Frank, Andrew Schmitz, Scott Swinton, and David Zilberman, editors. *Flexible Incentives for the Adoption of Environmental Technologies in Agriculture*, 1998.
- S18. Feitelson, Eran, and Marwan Haddad, editors. *Management of Shared Groundwater Resources: The Israeli-Palestinian Case with an International Perspective*, 2001.
- S19. Haddadin, Munther J. *Diplomacy on the Jordan: International Conflict and Negotiated Resolution*, 2001.
- S20. Moss, Charles B., Gordon C. Rausser, Andrew Schmitz, Timothy G. Taylor, and David Zilberman. *Agricultural Globalization, Trade, and the Environment*, 2001.
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- S22. Dinar, Ariel, and David Zilberman, editors. *Economics of Water Resources: The Contributions of Dan Yaron*, 2002.
- S23. Just, Richard E., and Rulon D. Pope. *A Comprehensive Assessment of the Role of Risk in U. S. Agriculture*, 2002.

- S24. Renzetti, Steven. *The Economics of Water Demands*, 2002.
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- S27. Cooper, Joseph, Leslie Marie Lipper, and David Zilberman. *Agricultural Biodiversity and Biotechnology in Economic Development*, 2005.
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- S29. Goetz, Renan-Ulrich, and Dolors Berga. *Frontiers in Water Resource Economics*, 2006.
- S30. Just, Richard E., Julian M. Alston, and David Zilberman. *Regulating Agricultural Biotechnology: Economics and Policy*, 2007.
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- S33. Alston Julian M., Matthew A. Andersen, Jennifer S. James, and Philip G. Pardey. *Persistence Pays: U.S. Agricultural Productivity Growth and the Benefits from Public R&D Spending*, 2009.
- S34. Khanna, Madhu, Jürgen Scheffran, and David Zilberman. *The Handbook of Bioenergy Economics and Policy*. New York: Springer, 2010.

****Indicates new since last review.**