

10 October 2018

## CURRICULUM VITA

**Shigeru MATSUMOTO**

Department of Economics  
Aoyama Gakuin University  
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<http://shigeruykr.wixsite.com/happy-environment>

### Education

Ph.D., Economics, North Carolina State University, 1999.  
M.S., Environmental Science, University of Tsukuba, 1994.  
B.S., Agriculture. University of Tsukuba, 1992.

### Languages:

Japanese (Native), English (Fluent)

### Experience

Professor, Aoyama Gakuin University, 2012 to present.  
Visiting Researcher, Institut de Ciència i Tecnologia Ambientals (ICTA), Universitat Autònoma de Barcelona (UAB), 2015-2016.  
Visiting Researcher, National Institute for Environmental Studies of Japan, 2011-2013  
Associate Professor, Aoyama Gakuin University, 2007 to 2011.  
Associate Professor, Kansai University, 2003-2006.  
Visiting Professor, Department of Economics, Duke University, 2003.  
Assistant Professor, Kansai University, 2000-2002.  
Research Economist, International Development Center of Japan, 1998-1999.

### Research and Teaching Fields

Agricultural Economics, Applied Welfare Economics, Ecological Economics,  
Environmental Economics

## Working Papers

Matsumoto, S. and Hoang, V. 2018. How is internal radiation exposure risk evaluated at the markets? Perceived quality degradation of Fukushima peach.

Presented at the 6<sup>th</sup> World Congress of Environmental and Resource Economists.

June 28, 2018. Gothenburg, Sweden.

Onuma, H., Matsumoto, S., and Arimura, T.H. 2018. How much electricity is actually saved by the replacement with Light-Emitting Diodes (LEDs)?

Accepted for the poster presentation at BECC JAPAN 2018. August 23, 2018. Tokyo, Japan.

Wang, J., Sugino, M., and Matsumoto, S. 2018. Determinant of household energy efficiency investment: Analysis of refrigerator purchasing behavior.

Accepted for the presentation at the 2018 annual meeting of the Society for Environmental Economics and Policy Studies.

## Publications - Book

Matsumoto, S. and Otsuki, T. (eds) 2018. *Consumer Perception of Food Attributes*.

CRC press. (ISBN: 978-1138196841) in Press.

Matsumoto, S. (eds) 2015. *Environmental Subsidies as a Policy Instrument*.

Routledge, Taylor & Francis Group. (ISBN: 978-0-415-73107-2)

Arimura, T.H., Katayama, H. and Matsumoto, S. (eds) 2017. *Frontier of*

*Environmental Economics*. Nippon Hyoronsha. (In Japanese) (ISBN: 978-4-535-55857-1)

## Dictionary (Served as an editorial board member)

Dictionary of Environmental Economics and Policy Studies. 2018. Maruzen Publishing.

## Publications - Peer-reviewed journal articles

Inoue, N. and Matsumoto, S. (2019) An examination of losses in energy savings after the Japanese Top Runner Program? *Energy Policy* Vol.124, pp.312-319. (Elsevier)

- Matsumoto, S. 2018. Time Allocation and Recycling Activities. *Journal of Material Cycles and Waste Management*, Vol.20, No.4, pp.2062–2067. (Springer)
- Levillain, A. and Matsumoto, S. 2017. Circular Economy and Waste Management: A Comparative Study between Japan and France. *Journal of Waste Management & Environmental Issues* 1:108. (Open access journal)
- Matsumoto, S. and Iwata, K. 2017. Do environmental rebates affect the replacement of durable products? An analysis of vehicle ownership duration in Japan. *Economic Analysis and Policy* in Press. (Elsevier)
- Matsumoto, S. 2017. Consumer Valuation of Energy-Saving Features of Residential Air Conditioners with Hedonic and Choice Models. *Empirical Economics* in Press. (Springer)
- Abe, T., Matsumoto, S., and Iwata, K. 2017. Rebound Effects for Passenger Vehicles in Urban and Rural Regions–An Analysis of Household Survey Data–. *Society of Environmental Science*, Vol.30, No.3, pp.203–214. (Open access journal)
- Chifari, R., Lo Piano, S., Matsumoto, S., and Tasaki, T. 2017. Does recyclable separation reduce the cost of municipal waste management? *Waste Management* Vol.60, pp.32–41. (Elsevier)
- Matsumoto, S. and Omata, Y. 2017. Consumer Valuations of Energy Efficiency Investments: The case of Vietnam's Air Conditioner Market. *Journal of Cleaner Production* Vol.142, pp.4001–4010. (Elsevier)
- Matsumoto, S. 2016. Electric Appliance Ownership and Usage: Application of Conditional Demand Analysis to Japanese Household Data. *Energy Policy* Vol.94, pp.214–223. (Elsevier)
- Iwata, K. and Matsumoto, S. 2016. Use of hybrid vehicles in Japan: An analysis of used car market data. *Transportation Research Part D: Transport and Environment* Vol.46, pp.200–206. (Elsevier)
- Hoang, V., Iida, T., Matsumoto, S., Watanabe, N., and Wilson, C. 2016. Consumer's Comparison between Local and Imported Organic Products: A Hedonic Analysis of the Japanese Table Wine Market. *Eurasian Business Review* Vol.46, pp.200–206. (Springer)

- Matsumoto, S. 2016. Household Income Structure and Electrical Appliance Ownership: Evidence from Japanese National Household Survey. *International Journal of Energy Economics and Policy* Vol.6, No.1. (Open access journal)
- Maeda, T., Matsumoto, S. and Murata, T. 2015. Agent Heterogeneity and Facility Congestion. *Computational Economics*. Vol. 46, No.2, pp. 189-203. (Springer)
- Morita, M., Matsumoto, S. and Tasaki, T. 2014. Effect of an Energy Rebate Program on Implicit Discount Rate: A Hedonic Analysis of the Japanese Eco Point Program. *Environmental Economics and Policy Studies* (Japanese Journal). Vol.7, No.2, pp.24-36. (Open access journal).
- Arikawa, H., Cao, Y. and Matsumoto, S. 2014. Attitudes about Nuclear Power and Energy-Saving Behavior among Japanese Households. *Energy Research & Social Science*. Vol.2, pp.12-20. (Elsevier)
- Matsumoto, S. 2014. The Opportunity Cost of Pro-Environmental Activities: Spending Time to Promote the Environment or Earning More Money? *Journal of Family and Economic Issues* Vol.35, No. 1, pp.119-130. (Springer)
- Matsumoto, S. 2014. Spouses' Time Allocation to Pro-environmental Activities: Who is saving the environment at home? *Review of Economics of the Household* Vol.12, No. 1, pp. 159-176. (Springer)
- Matsumoto, S. and Ishii, T. 2013. Order of Occupancy in the Settlement of Pollution Disputes. *Environmental Economics and Policy Studies* Vol.15, No.3 pp.329-341. (Springer)
- Arikawa, H.; Cao, Y.; Matsumoto, S. 2013. Japanese Acceptance of Nuclear and Radiation Technologies after the Fukushima Daiichi Nuclear Disaster. *Review of Integrative Business and Economics Research* Vol.2, No.1 pp.503-510. (Open access journal)
- Cao, Y., Matsumoto, S. and Murata, T. 2012. Married Women's Lifestyles in Japan: Disparities Based on the Numbers of Children. *The Review of Socionetwork Strategies* Vol.6, No.1 pp.1-14. (Springer)
- Matsumoto, S. 2011. Impact of Country-of-Origin Labeling on Bovine Meat Trade. *Journal of Agricultural & Food Industrial Organization* Vol.9: Iss.1, Article 1. (Open access journal)

- Matsumoto, S. and Takeuchi, K. 2011. The Effect of Community Characteristics on the Frequencies of Illegal Dumping. *Environmental Economics and Policy Studies* Vol.13, No.3 pp.177-193. (Springer)
- Matsumoto, S. 2011. A Duration Analysis on Environmental Alternative Dispute Resolution. *Ecological Economics* Vol.70, No.4 pp.659-666. (Elsevier)
- Matsumoto, S. 2011. Waste Separation at Home: Is the Municipal Curbside Recycling Policy Efficient? *Resources, Conservation & Recycling* Vol.55, No.3 pp.325-334. (Elsevier)
- Maeda, T., Murata, T., Kotaka, D., Matsumoto, S. and Cao, Y. 2010. Social Simulation Based on Human Behavioral Data Collected by Web-Based Experimental System. *Journal of Convergence Information Technology* Vol.5, No.4 pp.141-151. (Open access journal)
- Matsumoto, S. and Cao, Y. 2009. Social Learning and Mother's Behavior in Facility Choice. *Public Choice Studies (公共選択の研究)* Vol.53, pp.44-52.
- Matsumoto, S. and Cao, Y. 2008. Resolving Service Quality Uncertainty Through Word-of-Mouth Communication. *The Review of Socionetwork Strategies* Vol.1, No.2 pp.40-52. (Springer)
- Sugeta, H. and Matsumoto, S. 2007. Upstream and Downstream Pollution Taxations in Vertically Related Markets with Imperfect Competition. *Environmental & Resource Economics* Vol.38, No.3 pp. 407-432. (Springer)
- Matsumoto, S. and Sugeta, H. 2007. Antitrust Law and Environmental Protection. *Economics Bulletin* Vol.17, No.2 pp.1-10. (Open access journal)
- Matsumoto, S. 2006. Consumers' Evaluation of GMO Segregation Program in Japan. *Journal of Agricultural and Applied Economics* Vol.38, No.1 pp.201-211. (Cambridge University Press)
- Sugeta, H. and Matsumoto, S. 2005. Green Tax Reform in an Oligopolistic Industry. *Environmental & Resource Economics* Vol.31, No.3 pp.253-274. (Springer)
- Matsumoto, S. 2004. Consumers' Responses to Front vs. Back Package GM Labels in Japan. *Journal of Agricultural & Food Industrial Organization* Vol. 2: Iss. 1, Article 5. (Open access journal)

## Publications - Papers in Collection and Book Chapters

Matsumoto, S. and Yamamoto, M. 2018. Consumer Concerns about Radioactive Contamination: Empirical Analysis of the Vegetable Wholesale Market in Kanto Region. In *Consumer Perception of Food Attributes*. (ISBN: 978-1138196841). Edited by Matsumoto, S. CRC Press. (Chapter 4).

Matsumoto, S. 2015. Environmental Subsidies to Consumers as Policy Instruments. In *Environmental Subsidies as a Policy Instrument*. (ISBN: 978-0-415-73107-2). Edited by Matsumoto, S. Routledge, Taylor & Francis Group. (Chapter 2).

Yamaguchi, K., Matsumoto, S. and Tasaki, T. 2015. Effect of an Energy Rebate Program on Consumer TV Selection. In *Environmental Subsidies as a Policy Instrument*. (ISBN: 978-0-415-73107-2). Edited by Matsumoto, S. Routledge, Taylor & Francis Group. (Chapter 4).

Matsumoto, S., Morita, M. and Tasaki, T. 2015. Effect of Energy Rebate Program on Implicit Discount Rate: A Hedonic Analysis of Japanese Eco Point Program. In *Environmental Subsidies as a Policy Instrument*. (ISBN: 978-0-415-73107-2). Edited by Matsumoto, S. Routledge, Taylor & Francis Group. (Chapter 7).

Iwata, K. and Matsumoto, S. 2015. CO<sub>2</sub> emission reductions from hybrid vehicle use: An analysis of Japan's used car market data. In *Environmental Subsidies as a Policy Instrument*. (ISBN: 978-0-415-73107-2). Edited by Matsumoto, S. Routledge, Taylor & Francis Group. (Chapter 9).

松本茂 2015. 第6章 汚染制御とインセンティブ政策. *環境政策の新地平 第二巻 汚染とリスクを制御する* (大沼あゆみ・岸本充生編) 岩波書店 (In Japanese)

Matsumoto, S. 2013. Environmental Volunteer Activities in Local Waste Management. *Handbook on Waste Management*. In: Thomas C. Kinnamann and Kenji Takeuchi edition, Edward Elgar Publishing.

Matsumoto, S. 2011. Group Collection of Recyclables in Japan. In: *Recycling / Book 2* (ISBN 978-953-307-1150-2). Edited by Ir. Enri Damanhuri, InTech Open Access Publisher In press.

Matsumoto, S. and Cao, Y. 2010. Kindergarten as a Meeting Place for Mothers. In *Kindergartens: Programs, Functions and Outcomes* (ISBN: 978-1-61209-109-9). Edited by

S. B. Thompson, Nova Science Publishers, Inc. pp.163-177 (Chapter 7).

松本茂 2008. マルチエージェントシミュレーションによる政策分析とエージェントの相互作用 (ISBN 978-4-8115-7381-6 C1033). 村田忠彦・鶴飼康東【編著】 政策グリップコンピューティングとマルチエージェントシミュレーション. 多賀出版. 東京 pp.29-44 (第3章) (Japanese)

松本茂・横山彰. 2008. 環境対策における差別的対応 (ISBN 978-4326502998). 横山彰・財務省財務総合政策研究所【編】 温暖化対策と経済成長の制度設計. 勁草書房. 東京 pp.207-229 (第8章) (Japanese)

Matsumoto, S. 2004. Industry Structure and Pollution Dispute Management: Ex Ante Pollution Prevention vs. Ex Post Dispute Settlement. In: Competition, Regulation and Protection: Essays from an International Conference on Industrial Organization, Law and Economics (ISBN 960-88331-3-2). Edited by Gregory T. Papanikos, Athens Institute for Education and Research, Greece, 183-198.

## Presented Papers

### International Conference

2018/07/06 Did improvement of home appliance energy efficiency lead to a reduction of household electricity consumption? Experience from the Japanese Top Runner Program. (Presentation at the 9th International Research Meeting in Business and Management, Nice, France)

2018/06/28 How is internal radiation exposure risk evaluated at the markets? Perceived quality degradation of Fukushima peach (Presented at the 6<sup>th</sup> World Congress of Environmental and Resource Economists, Gothenburg, Sweden)

2018/01/31 Time Allocation and Recycling Activities. (Presented at 2018 International Symposium on Economics and Social Science, Sapporo)

2016/08/09 Did the eco-car rebate program distort the vehicle replacement cycle?: An analysis of vehicle ownership duration. (Presented at the Sixth Congress of the East Asian Association of Environmental and Resource Economics, Fukuoka)

2016/07/12 Does recyclable separation reduce the cost of municipal waste management? (Presented at the 7th International Research Meeting in Business and Management, Nice).

- 2015/11/03 Consumer Valuation of Energy-Saving Features of Residential Air Conditioners with Hedonic and Choice Models. (Presented at Global Cleaner Production & Sustainable Consumption Conference, Barcelona).
- 2015/10/08 Electric Appliance Ownership and Usage: Application of Conditional Demand Analysis to Japanese Household Data. (Presented at International Academic Conferences, Madrid).
- 2015/09/07 Consumer Valuations of Energy Efficiency Investments: The case of Vietnam's Air Conditioner Market. (Presented at 5th World Sustainability Forum, Basel) (Joint paper with Omata, Y.).
- 2014/10/24 Market penetration of imported agricultural products: A hedonic analysis of the Japanese table wine market. (Presented at 14th Eurasia Business and Economics Society Conference, Barcelona). (Joint paper with Hoang, V., Iida, T., Watanabe, N. and Wilson, C.).
- 2014/06/30 Effect of an Energy Rebate Program on Consumer TV Selection. (Presented at the 5th World Congress of Environmental and Resource Economists, Istanbul). (Joint paper with Yamaguchi, K., Matsumoto, S. and Tasaki, T).
- 2014/02/13 Effect of an Energy Rebate Program on Consumer TV Selection. (Presented at the 4th Congress of the East Asian Association of Environmental and Resource Economics, Busan). (Joint paper with Yamaguchi, K., Matsumoto, S. and Tasaki, T).
- 2013/10/27 How much greenhouse gas did hybrid-vehicle drivers save?: Analysis of Japanese Used Car Market Data. (Presented at The 12th International Conference of the Japan Economic Policy Association, Sapporo) (Joint paper with Arimura, T.H., and Iwata, K.)
- 2013/9/5 How much greenhouse gas did hybrid-vehicle drivers save?: Analysis of Japanese Used Car Market Data. (Presented at hEART 2013 - 2nd Symposium of the European Association for Research in Transportation, Stockholm) (Joint paper with Arimura, T.H., and Iwata, K.)
- 2013/2/16 Japanese Acceptance of Nuclear and Radiation Technologies after the Fukushima Daiichi Nuclear Disaster. (Society of Interdisciplinary Business Research SIBR-UniKL 2013 Kuala Lumpur Conference on Interdisciplinary Business & Economics Research, Kuala Lumpur) (Joint paper with Arikawa, H. and Cao, Y.)



- 2012/11/21 Japanese Acceptance of Nuclear and Radiation Technologies after the Fukushima Daiichi Nuclear Disaster. (11<sup>th</sup> International Conference of the Japan Economic Policy Association, Nagoya) (Joint paper with Arikawa, H. and Cao, Y. )
- 2012/6/28 Effect of an Energy Rebate Program on Implicit Discount Rate: A Hedonic Analysis of the Japanese Eco Point Program. (19<sup>th</sup> Annual Conference of European Association of Environmental and Resource Economists, Prague) (Joint paper with Morita, M. and Tasaki, T.)
- 2011/4/27 The Opportunity Cost of Pro-Environmental Activities: Spending Time to Promote the Environment or Earning More Money? (9<sup>th</sup> Biennial Pacific Rim Conference Western Economic Association International, Brisbane)
- 2009/09/19 Agent Heterogeneity and Facility Congestion (Economic Science Association Annual Meeting, Innsbruck) (Joint paper with Murata, T.; Maeda, T.)
- 2009/03/25 The Effect of Country-of-Origin Labeling on Bovine Meat Trade (Western Economic Association International, Pacific Rim Conference, Kyoto)
- 2007/12/09 Resolving Service Quality Uncertainty Through Word-of-Mouth Communication (Japanese Economic Policy Association, Tokyo) (Joint paper with Cao, Y.)
- 2006/01/13 Do Consumers Care About Food Origin? Empirical Evidence from Japanese Fish Imports (Western Economic Association International 7<sup>th</sup> Biennial Pacific Rim Conference, Beijing)
- 2006/07/04 An Empirical Study of Ideal Dumping of Electric Appliances (Environment and Resource Economists 3rd World Congress (European Association of Environment and Resource Economists, Kyoto) (Joint paper with Takeuchi, K.)
- 2005/11/20 Is Country-of-Origin Labeling a Secondary Trade Barrier?: Empirical Analysis. (Southern Economic Association Annual Meeting, Washington DC)
- 2005/06/25 Abatement Heterogeneity, Input Price Discrimination and Pollution Taxation in Vertically Related Markets (European Association of Environmental and Resource Economics Annual Meeting, Bremen) (Joint paper with Sugeta, H.)
- 2004/06/26 What Generates Pollution Dispute?: Evidence from Japanese

Manufacturing Industries (European Association of Environment and Resource Economists Annual Meeting, Budapest)

2004/06/18 Industry Structure and Pollution Dispute Management: Ex Ante Pollution Prevention vs. Ex Post Dispute Settlement (International Conference on Industrial Organization, Law and Economics (Athens Institution Education and Research), Thessaloniki)

2003/07/28 Power of Community Self-Enforcement: Evidence from Household Electric Recycling Law (Association of Environmental and Resource Economists Annual Meeting, Montreal)

2002/11/26 Green Tax Reform in Oligopolistic Industry (Southern Economic Association Annual Meeting, New Orleans) (Joint paper with Sugeta, H.)

#### **Presented Papers Domestic Conference**

2017/9.10 Consumers' Concern about Radioactive Contamination. (Presented at the annual meeting of Society for Environmental Economics and Policy Studies. Kochi) (Joint paper with Yamamoto, M.)

2013/9/21 How much greenhouse gas did hybrid-vehicle drivers save?: Analysis of Japanese Used Car Market Data. (Presented at Society for Environmental Economics and Policy Studies, Kobe University) (Joint paper with Arimura, T.H., and Iwata, K.)

2013/9/21 Effect of an Energy Rebate Program on Consumer TV Selection. (Presented at the annual meeting of Society of Environmental Economics and Policy Studies, Kobe University) (Joint with Yamaguchi, K. and Tasaki, T.)

2012/06/24 Order of Occupancy in the Settlement of Pollution Disputes (日本経済学会, 北海道大学) (Joint paper with Ishii, T.)

2010/09/12 ボランティア団体への加盟とボランティア活動への参加：ボランティア団体は人々の環境ボランティア活動を促進するか？ (Society for Environmental Economics and Policy Studies, Nagasaki University)

2011/05/21 Spouses' Time Allocation to Pro-environmental Activities: Who is saving the environment at home. (Japanese Economic Association, Kumamoto Gakuen University)

2010/09/12 Waste Separation at Home: Is the Municipal Curbside Recycling Policy Efficient? (Society for Environmental Economics and Policy Studies, Nagoya University)

2009/06/07 The Effect of Country-of-Origin Labeling on Bovine Meat Trade. (Japanese Economic Association, Kyoto University)

2005/09/17 Upstream and Downstream Pollution Taxations in Vertically Related Markets with Imperfect Competition (Japanese Economic Association, Chuo University) (Joint with Sugeta, Hajime)

2004/09/26 Industry Structure and Pollution Dispute Management: Ex Ante Pollution Prevention vs. Ex Post Dispute Settlement. (Japanese Economic Association, Okayama University)

2002/10/14 Green Tax Reform in an Oligopolistic Industry. (Japanese Economic Association, Hiroshima University) (Joint with Sugeta, Hajime)

### **Referee/Reviewer**

Applied Economics, Energy Efficiency, Energy Research & Social Science, Energy Policy, Environmental Economics and Policy Studies, Environmental and Resource Economics, Environmental Science and Pollution Research, Journal of Agricultural, Food and Industrial Organization, Journal of Environmental Management, Journal of Environmental Planning Management, The Journal of Solid Waste Technology and Management, The International Journal of Economic Policy Studies, The Energy Journal, Transportation Research D, Sustainability, Sustainable Cities and Society, Waste Management, 環境経済政策研究, エネルギー・資源学会論文誌.

### **Professional Service**

Research Fellow for *Research Institute of Economy, Trade and Industry*, 2014-2015.

Fellow for Tokyo Center of Economic Research, 2013 to present.

Visiting Fellow for National Institute for Environmental Studies, 2011-2012.

Associate Editor for Environmental Economics and Policy Studies (環境経済政策研究), 2011 to present.

Associate Editor for International Journal of Policy Studies. 2015 to present.

Member of Awards Committee for Japan Economic Policy Association, 2010 to 2012.

Board Member of Society for Environmental Economics and Policy Studies, 2013 to 2015. 2018 to Present.

Board Member of Society for Japan Economic Policy Association, 2009 to Present.

## **Government Advisory Service**

### Ministry of Environment

Review Committee on Indicators in the Fifth Environmental Basic Plan. 2017/05 - 2018/03.

### Ministry of Foreign Affairs

International Cooperation Contributing Greenhouse Gas Abatement. 1998/09 - 1999/03.

Economic Development and International Cooperation (Zambia and Mozambique). 1999/09 - 2000/03.

Economic Development and International Cooperation (Azerbaijan, Georgia and Armenia). 1998/09 - 1999/03.

Evaluation of Japan's ODA for environmental pollution control. 2016/04 - 2017/03.

### Ministry of Finance

Programme Aid in Africa. 1999/09 - 2000/03.

Economic and Public Finance Policies for Environmental Problems. 2005/09 - 2007/03.

### Ministry of Internal Affairs and Communications

Automobile Related Taxes. 2009/04 - 2010/03.

### Kanagawa Prefecture

Taxation to Promote Renewable Energies. 2010/11 to 2011/3

## Grants and Contracts

- Title: Analyzing the purpose of household electricity usage  
Description: Grand Aid for Scientific Research (Ministry of Education, Culture, Sports, Science & Technology in Japan), 2018 - 2020.  
Role: Principal Investigator.  
Amount: ¥3,400,000.
- Title: Food Credence Attributes: How can we design policies to meet consumer demand?  
Description: OECD-CRP sponsored symposium, Biological Resource Management for Sustainable Agricultural System: 2017 May 18-20.  
Role: Organizer.  
Amount: Euro 31,000.
- Title: Safety and reliability of imported agricultural products: International Comparison about food credence attributes  
Description: Tokyo Center for Economic Research Fellowship, 2017 to present.  
Role: Principal Investigator.  
Amount: ¥1,000,000.
- Title: Time, Money and Environmental Protection  
Description: Grand Aid for Scientific Research (Ministry of Education, Culture, Sports, Science & Technology in Japan), 2014 - 2016.  
Role: Principal Investigator.  
Amount: ¥3,900,000.
- Title: Trade Liberalization and Eco-Friendly Farming  
Description: Sustainable Society and Economics: Asahi Group Foundation, 2014 to 2015.  
Role: Principal Investigator.  
Amount: ¥600,000.
- Title: Trade Liberalization and Environmentally-Friendly Agriculture  
Description: Social Science Research Grant: Nomura Foundation, 2013 to 2015.  
Role: Principal Investigator.  
Amount: ¥500,000.

Title: How can motor vehicle related taxes be designed after the spread of new generation vehicles?  
Description: Environmental Research Grant: The Sumitomo Foundation, 2012 to 2014.  
Role: Principal Investigator.  
Amount: ¥2,000,000.

Title: The Effect of the Eco-Product Purchase Subsidy on the Consumer Behavior.  
Description: Environmental Research: The Kondo Grant, Asahi Glass Foundation, 2011 to 2014.  
Role: Principal Investigator.  
Amount: ¥3,500,000.

Title: Design of Incentive Mechanisms in Waste Management Policy.  
Description: Grand Aid for Scientific Research (Ministry of Education, Culture, Sports, Science & Technology in Japan), 2009 - 2011.  
Role: Co-Investigators (Principal Investigator: Kenji Takeuchi).  
Amount: ¥16,640,000.

Title: Analysis of Environmental Regulation Enforcement.  
Description: Grand Aid for Scientific Research (Ministry of Education, Culture, Sports, Science & Technology in Japan), 2005 - 2006.  
Role: Principal Investigator.  
Amount: ¥1,900,000.

Title: Design of Incentive Mechanisms in Waste Management Policy.  
Description: Special Aid to Promote Education, Research, and Upgrades at Private Universities (Ministry of Education, Culture, Sports, Science & Technology in Japan), 2005 - 2009.  
Role: Co-Investigators (Principal Investigator: Tadahiro Murata).  
Total Amount: ¥260,000,000.

Title: Welfare Analysis of Environmental Policy and International Trade.  
Description: Grant Aid for Important Research Area (Kansai University), 2002 - 2003.  
Role: Principal Investigator.  
Total Amount: ¥4,173,000.