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## CURRICULUM VITA

**Shigeru MATSUMOTO**

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### **Short bio**

Prof. Shigeru Matsumoto is an environmental economist specializing in household energy consumption, energy policy, and sustainable behavior. He received his Ph.D. in Economics from North Carolina State University (USA) and currently serves as a professor at Aoyama Gakuin University (Japan).

He has published over 50 peer-reviewed journal articles as of 2025, including 26 papers in Q1 journals and 12 in Q2 journals. Among these, nine single-authored papers appear in Q1 journals and eight in Q2 journals, demonstrating both productivity and strong research independence. His work has been cited more than 1,100 times (h-index: 19).

Roughly one-third of his Q1 papers were co-authored with researchers from Europe and Australia, reflecting a well-established international collaboration network. He has also edited four English-language volumes and contributed 15 book chapters to international publications.

His current research focuses on household-level energy demand, energy equity, and consumer responses to energy transition policies, combining econometric analysis with policy-relevant insights. He aims to advance international comparative studies on sustainable household energy use and contribute to global energy policy discussions.

### **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), Spanish (Basic)

## Experience

Professor, Aoyama Gakuin University, 2012 to present.

Visiting Researcher, Department of Economics and Economic History, Universitat Autònoma de Barcelona, 2024-2025.

Visiting Professor, Institut de Ciència i Tecnologia Ambientals, Universitat Autònoma de Barcelona, 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

## Award

**2023 Outstanding Publication Award.** *Society of Environmental Economics and Policy Studies.*

**2022 The Ichimura Prize in Science against Global Warming for Excellent Achievement.** *Ichimura Foundation for New Technology.*

**2021 Commentary Award.** Carbon Pricing in Japan. Springer 2020, Editors: Toshi H. Arimura and Shigeru Matsumoto. *Society of Environmental Economics and Policy Studies.*

**2018 Paper Award.** Abe, T., Matsumoto, S., and Iwata, K. 2017. Rebound Effects for Passenger Vehicles in Urban and Rural Regions—An Analysis of Household Survey Data—. *Environmental Science*, Vol.30, No.3, pp.203–214. *Society of Environmental Science, Japan.*

**2018 Aoyama Gakuin Academic Award.** Environmental Subsidies to Consumers: How did they work in the Japanese market? Routledge 2015. Editor: Shigeru Matsumoto. *Aoyama Gakuin.*

## Working Papers

Bonev, P. and Matsumoto, S. (2022) An empirical evaluation of environmental Alternative Dispute Resolution methods in Japan. Presented at Univ. St. Gallen and Univ. of Reading by coauthor.

Matsumoto, S. and Otsuki, T. (2025) Home Time and Household Cooking: Evidence from Japanese Couples during the COVID-19 Pandemic.

Matsumoto, S. and Katayama, H. (2026) Public vs. Private Rentals: Which One Wins on

Energy Efficiency?

### **Publications - Book**

- Matsumoto, S. (Eds.) 2025. *Energy Consumption and Aging Populations: Experiences from Japan and Spain*. Routledge. (共著) (ISBN: 978-1003488576)
- Arimura, T.H. and Matsumoto, S. (eds) 2021. *Carbon Pricing in Japan*. Springer press. Economics, Law, and Institutions in Asia Pacific. Series Editor. Yano, M. (ISBN: 978-981-15-6963-0). <https://link.springer.com/book/10.1007/978-981-15-6964-7>  
Received 2021 Commentary Award from the Society for Environmental Economics and Policy Studies (SEEPS)
- Matsumoto, S. and Otsuki, T. (eds) 2018. *Consumer Perception of Food Attributes*. CRC press. (ISBN: 978-1138196841).
- Matsumoto, S. (eds) 2015. *Environmental Subsidies as a Policy Instrument*. Routledge, Taylor & Francis Group. (ISBN: 978-0-415-73107-2) Received 2018 Aoyama Gakuin Academic Award.
- 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. (In Japanese)

### **Publications - Peer-reviewed journal articles**

- Matsumoto, S. 2025. How Do Japanese Households Juggle Energy Sources? A Deep Dive into Price Responses. *Energy Sources, Part B: Economics, Planning, and Policy*. In Press. <http://dx.doi.org/10.1080/15567249.2025.2579811> (Taylor & Francis)
- Hoang, V., Matsumoto, S., and Silvennoinen, A. 2025. Energy-Saving Champions and Electricity Consumption: Analysis of Japanese Families. *Energy Research & Social Science*. In Press. (Elsevier)
- Wang, J. and Matsumoto, S. 2025. Heating system selection and energy price sensitivity. *Energy Policy* Vol. 207: 114827. <https://doi.org/10.1016/j.enpol.2025.114827> (Elsevier)
- Matsumoto, S. 2025. Exploring economies of scale in household energy consumption across seasons and uses. *International Journal of Energy Economics and Policy* Vol. 15 No. 6: 495–504. <https://doi.org/10.32479/ijeep.20711> (EconJournals)
- Matsumoto, S. and Otuski, T. 2024. How did Japanese households change their food purchasing behavior at the initial period of the COVID-19 outbreak? *Cogent Economics & Finance* Vol. 12 No. 1: 2404709. <https://doi.org/10.1080/23322039.2024.2404709> (Taylor & Francis)
- Matsumoto, S., Hoang, V.N., and Wilson C. Covid-19 lockdown, gender and income

- dynamics in household energy consumption: evidence from Japan. *Empirical Economics* Vol. 67: 1473–1496. <https://doi.org/10.1007/s00181-024-02593-0> (Springer)
- Inoue, N., Matsumoto, S., and Mayumi, K. 2024. Residential energy consumption by Japan’ s super-aging society: visioning a more sustainable future up to 2040. *Population and Environment* Vol. 46 No. 12. <https://doi.org/10.1007/s11111-024-00453-8> (Springer)
- Yang, X. and Matsumoto, S. 2023. To use or not to use, that is the question: Income and substitution effects in the feed-in tariff system for solar-generated electricity. *Japan and the World Economy* Vol. 68: 101211. <https://doi.org/10.1016/j.japwor.2023.101211>. (Elsevier)
- Matsumoto, S. 2023. The effects of carbon taxes on the welfare of households using multiple energy sources. *Energy Economics* Vol. 126: 106924. <https://doi.org/10.1016/j.eneco.2023.106924> (Elsevier)
- Matsumoto, S. and Sugeta, H. 2022. Efficiency investment and curtailment action. *Environmental and Resource Economics* Vol. 83: 759–789. <https://doi.org/10.1007/s10640-022-00709-7> (Springer)
- Matsumoto, S. 2022. How will a carbon tax affect household energy source combination? *Energy Strategy Reviews* Vol. 40, 100823. <https://doi.org/10.1016/j.esr.2022.100823> (Elsevier)
- Matsumoto, S. 2022. How much difference does household energy source selection make in winter CO2 emissions? *Frontiers in Climate*, section Climate and Economics. <https://doi.org/10.3389/fclim.2022.847851> (Open access journal)
- Inoue, N., Matsumoto, S., Mayumi, K. 2022. Household energy consumption pattern changes in an aging society: The case of Japan between 1989 and 2014 in retrospect. *International Journal of Economic Policy Studies* Vol. 16: 67–83. <https://doi.org/10.1007/s42495-021-00069-y> (Springer)
- Wang, J. and Matsumoto, S. 2021. Can subsidy programs lead customers to select “greener” products?: Evidence from the Eco-car program in Japan. *Research in Transportation Economics* Vol. 91, 101066. <https://doi.org/10.1016/j.retrec.2021.101066> (Elsevier)
- Wang, J. and Matsumoto, S. 2020. An economic model of home appliance replacement: Application to refrigerator replacement among Japanese households. *Environmental Economics and Policy Studies* Vol. 24: 29–48. <https://doi.org/10.1007/s10018-020-00295-2> (Springer)
- Matsumoto, S. 2020. Price elasticity of household electricity demand under block pricing. *Environmental Science*, Vol. 35 No. 1: 10–18. <https://doi.org/10.11353/sesj.35.10> (Open access journal) in Japanese.
- Onuma, H. and Matsumoto, S. 2021. Estimation of price and expenditure elasticities of residential electricity demand using the household-level data in Japan: Comparison

- by income group, region and season. *Environmental Science*, Vol. 34 No. 4: 172–183. <https://doi.org/10.11353/sesj.34.172> (Open access journal) in Japanese.
- Onuma, H., Matsumoto, S., and Arimura, T.H. 2020. How much electricity is actually saved by the replacement with Light-Emitting Diodes (LEDs)? *Economic Analysis and Policy*, Vol. 68: 224–238. <https://doi.org/10.1016/j.eap.2020.09.015> (Elsevier)
- Matsumoto, S. 2020. Do individuals free ride on participation in environmental policies? Personal values and waste management practices. *Ecological Economics*, Vol. 174, 106669. <https://doi.org/10.1016/j.ecolecon.2020.106669> (Elsevier)
- Matsumoto, S. and Onuma, H. 2020. Measuring household ability to adopt new technology: The case of light-emitting diodes (LEDs). *Journal of Cleaner Production*, Vol. 277, 123323. <https://doi.org/10.1016/j.jclepro.2020.123323> (Elsevier)
- Matsumoto, S. 2020. Time Allocation and Environmental Burden of Households. *Review of Environmental Economics and Policy Studies*, Vol. 13 No. 2: 31–43. [https://doi.org/10.14927/reeps.13.2\\_31](https://doi.org/10.14927/reeps.13.2_31) (Open access journal) (In Japanese)
- Matsumoto, S. and Hoang, V. 2019. Economic Loss due to Reputation Damage: A New Model and its Application for Fukushima Peaches. *Journal of Agricultural Economics*. Vol. 71: 581–600. <https://doi.org/10.1111/1477-9552.12366> (Wiley)
- Matsumoto, S. 2019. Daily habits and energy consumption: Go to bed earlier for environmental protection. *European Journal of Sustainable Development*. Special Issue, Vol. 8: 54–63. <https://doi.org/10.14207/ejsd.2019.v8n4p54> (European Center of Sustainable Development)
- Matsumoto, S. and Iwata, K. 2019. Do environmental rebates affect the replacement of durable products? An analysis of vehicle ownership duration in Japan. *Economic Analysis and Policy* Vol. 61: 64–72. <https://doi.org/10.1016/j.eap.2017.07.001> (Elsevier)
- Wang, J., Sugino, M., and Matsumoto, S. 2019. Determinant of household energy efficiency investment: Analysis of refrigerator purchasing behavior. *International Journal of Economic Policy Studies* Vol. 13: 389–402. <https://doi.org/10.1007/s42495-019-00014-0> (Springer)
- Inoue, N. and Matsumoto, S. 2019. An examination of losses in energy savings after the Japanese Top Runner Program? *Energy Policy* Vol. 124: 312–319. <https://doi.org/10.1016/j.enpol.2018.09.040> (Elsevier)
- Matsumoto, S. 2018. Time Allocation and Recycling Activities. *Journal of Material Cycles and Waste Management* Vol. 20 No. 4: 2062–2067. <https://doi.org/10.1007/s10163-018-0759-9> (Springer)
- Matsumoto, S. 2018. Consumer Valuation of Energy-Saving Features of Residential Air Conditioners with Hedonic and Choice Models. *Empirical Economics* 55: 1779–1806. <https://doi.org/10.1007/s00181-017-1327-1> (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—. *Environmental*

- Science*, Vol. 30 No. 3: 203–214. <https://doi.org/10.11353/sesj.30.203> (Open access journal) in Japanese.
- 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)
- 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: 32–41. <https://doi.org/10.1016/j.wasman.2017.01.015> (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: 4001–4010. <https://doi.org/10.1016/j.jclepro.2016.10.055> (Elsevier)
- Matsumoto, S. 2016. Electric Appliance Ownership and Usage: Application of Conditional Demand Analysis to Japanese Household Data. *Energy Policy* Vol. 94: 214–223. <https://doi.org/10.1016/j.enpol.2016.03.048> (Elsevier)
- Clarivate's "Top 10% Adjusted Papers"**
- 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: 200–206. <https://doi.org/10.1016/j.trd.2016.03.010> (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: 200–206. <https://doi.org/10.1007/s40821-016-0047-3> (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: 14–19. <https://www.econjournals.com/index.php/ijeep/article/view/1483> (EconJournals)
- Maeda, T., Matsumoto, S. and Murata, T. 2015. Agent Heterogeneity and Facility Congestion. *Computational Economics*. Vol. 46 No. 2: 189–203. <https://doi.org/10.1007/s10614-014-9451-x> (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*. Vol. 7 No. 2: 24–36. [https://doi.org/10.14927/reeps.7.2\\_24](https://doi.org/10.14927/reeps.7.2_24) (Open access journal) In Japanese.
- 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: 12–20. <https://doi.org/10.1016/j.erss.2014.04.002> (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: 119–130. <https://doi.org/10.1007/s10834-013-9354-3> (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: 159–176. <https://doi.org/10.1007/s11150-013-9177-x> (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: 329–341. <https://doi.org/10.1007/s10018-013-0063-9> (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: 503–510. [https://buscompress.com/uploads/3/4/9/8/34980536/riber\\_k13-172\\_503-510.pdf](https://buscompress.com/uploads/3/4/9/8/34980536/riber_k13-172_503-510.pdf) (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: 1–14. <https://doi.org/10.1007/s12626-011-0023-4> (Springer)
- Matsumoto, S. 2011. Impact of Country-of-Origin Labeling on Bovine Meat Trade. *Journal of Agricultural & Food Industrial Organization* Vol. 9 No. 1: Article 1. <https://doi.org/10.2202/1542-0485.1334> (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: 177–193. <https://doi.org/10.1007/s10018-011-0011-5> (Springer)
- Matsumoto, S. 2011. A Duration Analysis on Environmental Alternative Dispute Resolution. *Ecological Economics* Vol. 70 No. 4: 659–666. <https://doi.org/10.1016/j.ecolecon.2010.10.014> (Elsevier)
- Matsumoto, S. 2011. Waste Separation at Home: Is the Municipal Curbside Recycling Policy Efficient? *Resources, Conservation & Recycling* Vol. 55 No. 3: 325–334. <https://doi.org/10.1016/j.resconrec.2010.10.005> (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. <https://doi.org/10.4156/jcit.vol5.issue4.15> (Open access journal)
- Matsumoto, S. and Cao, Y. 2009. Social Learning and Mother's Behavior in Facility Choice. *Public Choice Studies* Vol. 53: 44–52. [https://doi.org/10.11228/pcs.2009.53\\_44](https://doi.org/10.11228/pcs.2009.53_44) (Open access journal) In Japanese.
- Matsumoto, S. and Cao, Y. 2008. Resolving Service Quality Uncertainty Through Word-of-Mouth Communication. *The Review of Socionetwork Strategies* Vol. 1 No. 2: 40–52. <https://doi.org/10.1007/BF02981636> (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: 407–432. <https://doi.org/10.1007/s10640-007-9085-8>  
(Springer)
- Matsumoto, S. and Sugeta, H. 2007. Antitrust Law and Environmental Protection.  
*Economics Bulletin* Vol. 17 No. 2: 1–10.  
<http://economicsbulletin.vanderbilt.edu/2007/volume17/EB-06Q20004A.pdf>  
(Open access journal)
- Matsumoto, S. 2006. Consumers' Evaluation of GMO Segregation Program in Japan.  
*Journal of Agricultural and Applied Economics* Vol. 38, No. 1: 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: 253–274.  
<https://doi.org/10.1007/s10640-004-8249-z> (Springer)
- Matsumoto, S. 2004. Consumers' Responses to Front vs. Back Package GM Labels in Japan. *Journal of Agricultural & Food Industrial Organization* Vol. 2 No. 1, Article 5.  
<https://api.semanticscholar.org/CorpusID:154818434> (Open access journal)

#### **Publications - Papers in Collection and Book Chapters**

- Velasco-Fernández, R. and Matsumoto, S. 2025. Impact of aging on time allocation and energy consumption patterns in Japan and Spain. In Matsumoto, S. (Eds.), *Energy Consumption and Aging Populations: Experiences from Japan and Spain*. Chapter 4. Routledge.
- Inoue, N., Matsumoto, S., and Mayumi, K. 2025. Designing sustainable residential energy consumption policies for an aging population in Japan. In Matsumoto, S. (Eds.), *Energy Consumption and Aging Populations: Experiences from Japan and Spain*. Chapter 5. Routledge.
- Velasco-Fernández, R., Matsumoto, S., and Giampietro, M. 2025. Population aging, societal time, and household energy use beyond home. In Matsumoto, S. (Eds.), *Energy Consumption and Aging Populations: Experiences from Japan and Spain* (Chapter 6). Routledge.
- Matsumoto, S. and Giampietro, M. 2025. Epilogue: Population aging and changing energy use: the need for governance in complexity. In Matsumoto, S. (Eds.), *Energy Consumption and Aging Populations: Experiences from Japan and Spain*. Chapter 10. Routledge.
- 松本茂 2022. CP 導入に伴う地域間・世帯間格差とその是正施策. 有村俊秀・杉野誠・鷺津明由 (編著) *カーボンプライシングのフロンティア カーボンニュートラル社会のための制度と技術*. 第4章 63–80. 日本評論社. (ISBN: 978-4-535-54012-5) (In Japanese)
- Wang, J. and Matsumoto, S. 2020. Climate Policy in Household Sector. Arimura, T.H. and Matsumoto, S. (eds). *Carbon Pricing in Japan*. Chapter 3. 45–60. Springer. (ISBN: 978-981-15-6963-0)



- Inoue, N., Matsumoto, S., and Morita, M. 2020. Inequalities in the Impact of the Carbon Tax in Japan. Arimura, T.H. and Matsumoto, S. (eds). *Carbon Pricing in Japan*. Chapter 12. 217–234. Springer. (ISBN: 978-981-15-6963-0)
- Matsumoto, S. and Yamamoto, M. 2018. Consumer Concerns about Radioactive Contamination: Empirical Analysis of the Vegetable Wholesale Market in Kanto Region. Matsumoto, S. and Otsuki, T. (eds) *Consumer Perception of Food Attributes*. Chapter 5. 62–80. CRC Press. (ISBN: 978-1138196841)
- Matsumoto, S. 2015. Environmental Subsidies to Consumers as Policy Instruments. Matsumoto, S. (eds) *Environmental Subsidies as a Policy Instrument*. Chapter 2. 8–26. Routledge. (ISBN: 978-0-415-73107-2)
- Yamaguchi, K., Matsumoto, S. and Tasaki, T. 2015. Effect of an Energy Rebate Program on Consumer TV Selection. Matsumoto, S. (eds) *Environmental Subsidies as a Policy Instrument*. Chapter 4. 76–90. Routledge. (ISBN: 978-0-415-73107-2)
- 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. Matsumoto, S. (eds) *Environmental Subsidies as a Policy Instrument*. Chapter 7. 139–152. Routledge. (ISBN: 978-0-415-73107-2)
- 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. Matsumoto, S. (eds) *Environmental Subsidies as a Policy Instrument*. Chapter 9. 197–212. Routledge. (ISBN: 978-0-415-73107-2)
- 松本茂 2015. 汚染制御とインセンティブ政策. 大沼あゆみ・岸本充生 (編) *環境政策の新地平 第6巻 汚染とリスクを制御する*. 第4章 79–99. 岩波書店 (ISBN: 978-4-000-28796-8) (In Japanese)
- Matsumoto, S. 2013. Environmental Volunteer Activities in Local Waste Management. Kinnamann, T.C. and Takeuchi, K. (eds) *Handbook on Waste Management*. Chapter 4. 119–146. Edward Elgar Publishing. (ISBN: 978-0-85793-685-1)
- Matsumoto, S. 2011. Group Collection of Recyclables in Japan. Ir. Enri Damanhuri (eds) *Recycling / Book 2*. InTech Open Access Publisher. (ISBN 978-953-307-1150-2)
- Matsumoto, S. and Cao, Y. 2010. Kindergarten as a Meeting Place for Mothers. Thompson, S.B. (eds) *Kindergartens: Programs, Functions and Outcomes*. Chapter 7. 163–177. Nova Science Publishers, Inc. (ISBN: 978-1-61209-109-9)
- 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. 村田忠彦・鶴飼康東 (編著) *政策グリッド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*. 第3章 29–44. 多賀出版. (ISBN 978-4-8115-7381-6) (Japanese)
- 松本茂・横山彰. 2008. 環境対策における差別的対応. 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*. 第8章 207–229. 勁草書房. (ISBN 978-4326502998) (Japanese)
- Matsumoto, S. 2004. Industry Structure and Pollution Dispute Management: Ex Ante Pollution Prevention vs. Ex Post Dispute Settlement. Gregory T. Papanikos (eds)

Competition, Regulation and Protection: Essays from an International Conference on Industrial Organization, Law and Economics. Chapter 16. 183–195. Athens Institute for Education and Research. (ISBN 960-88331-3-2).

## **Presented Papers**

### **International Conference**

- 2025/07/04 Public vs. Private Rentals: Which One Wins on Energy Efficiency?  
(Presented at 14th International Research Meeting in Business & Management, Nice, France)
- 2025/05/05 Multiple energy use and price elasticities. (IIES International Academic Conference, Venice, Italy)
- 2025/01/08 Economies of Scale in Household Energy Consumption. (Presented at 50<sup>th</sup> EBES Conference. Instituto Universitário de Lisboa, Portugal)
- 2022/10/12 Is the Substitutability of Energy Sources Affected by Weather Condition? Evidence from the Analysis of Japanese Household Data. (Presented at 41<sup>th</sup> EBES Conference, University of Applied Science, Berlin, Germany)
- 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. (Presented 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, Japan)
- 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, Japan)
- 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, France).
- 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, Spain).
- 2015/10/08 Electric Appliance Ownership and Usage: Application of Conditional Demand Analysis to Japanese Household Data. (Presented at International Academic Conferences, Madrid, Spain).

- 2015/09/07 Consumer Valuations of Energy Efficiency Investments: The case of Vietnam's Air Conditioner Market. (Presented at 5th World Sustainability Forum, Basel, Switzerland) (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, Spain). (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, Turkey). (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, Korea). (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, Japan) (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, Sweden) (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, Malaysia) (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, Japan) (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. (19th Annual Conference of European Association of Environmental and Resource Economists, Prague, Czech) (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? (9th Biennial Pacific Rim Conference Western Economic Association International, Brisbane, Australia)
- 2009/09/19 Agent Heterogeneity and Facility Congestion (Economic Science Association Annual Meeting, Innsbruck, Austria) (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, Japan)
- 2007/12/09 Resolving Service Quality Uncertainty Through Word-of-Mouth Communication (Japanese Economic Policy Association, Tokyo, Japan) (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, China)
- 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, Japan) (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, USA)
- 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, Germany) (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, Hungary)
- 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, Greece)
- 2003/07/28 Power of Community Self-Enforcement: Evidence from Household Electric Recycling Law (Association of Environmental and Resource Economists Annual Meeting, Montreal, Canada)
- 2002/11/26 Green Tax Reform in Oligopolistic Industry (Southern Economic Association Annual Meeting, New Orleans, USA) (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

Agricultural Economics, Applied Economics, Cleaner Responsible Production, Economic Modeling, Empirical Economics, Energy, Energy and Building, Energy Economics, Energy Efficiency, Energy for Sustainable Development, Energy Policy, Energy Policy, Energy Research & Social Science, Energy Sources, Part B: Economics, Planning, and Policy, Energy Strategy Review, Environmental Economics and Policy Studies, Environmental Engineering and Management Journal, Environmental and Resource Economics, Environmental Science and Pollution Research, Food Policy, Food Quality and Preference, Frontiers, Heliyon, Journal of Agricultural, Food and Industrial Organization, Journal of Cleaner Production, Journal of Environmental Management, Journal of Environmental Planning Management, Review of Economics of the Household, Journal of Material Cycles and Waste Management, The Journal of Solid Waste Technology and Management, The International Journal of Economic Policy Studies, The Energy Journal, Population and Environment, Review of Economics of the Household, Transportation Research D, Sustainability, Sustainable Cities and Society, Sustainable Future, Waste Management, 環境科学会雑誌, 環境経済政策研究, エネルギー・資源学

会論文誌.

### **Doctoral Student Supervision**

Jiaxing Wang (Aoyama Gakuin University) A Study on Household Selection of Energy-Efficient Products and Energy Conservation in the Household Sector: The Case of Japan

### **External Evaluator for Doctoral Dissertations**

Xinyue Yang (Waseda University) The Impact of Economic Incentive Instruments on Energy Consumption and Conservation Behaviors (2025)

Tatsuya Abe (Waseda University) Essays on Market-Based Climate Change Policy Evaluation (2022)

Jorge Miguel Torrente Velásquez (Universitat Autònoma de Barcelona) Looking for a better information support in Municipal Solid Waste Management The Case Study of Panama City (2021)

Ngawang Dendup (Waseda University) Empirical Essays on Environmental Economics of Developing Countries: Issues in Bhutan (2019)

### **Research Funding Review Committee Member**

### **Professional Service**

Co-Editor for International Journal of Policy Studies. 2015 to present.

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

Vice President of Society for Environmental Economics and Policy Studies, 2022 to 2024.

Board Member of Society for Environmental Economics and Policy Studies, 2013 to 2015. 2018 to 2024.

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

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

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

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

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

### **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 2012/3



## Grants and Contracts

- Title: Impact of Demographic Change on Household Energy Consumption: Forecast by Multi-Scale Integrated Analysis of Societal and Ecosystem Metabolism (MuSIASEM)  
Description: Research Grant in Aoyama Gakuin University Research Institute, 2020 – 2022.  
Role: Principal Investigator.  
Amount: ¥14,508,000.
- 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: Impact of carbon pricing on household behavior: Japanese carbon tax.  
Description: Environment Research and Technology Development Fund (2-1707), the Environmental Restoration and Conservation Agency of Japan.  
Role: Co-Investigators (Principal Investigator: Toshi, H. Arimura), 2017 – 2019.  
Amount: ¥5,673,844.
- 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 – 2018.  
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 – 2015.  
 Role: Principal Investigator.  
 Amount: ¥600,000.

Title: Trade Liberalization and Environmentally Friendly Agriculture  
 Description: Social Science Research Grant: Nomura Foundation, 2013 – 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 – 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 – 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.