

CV

Name... Ken'ichi MATSUMOTO

Position... Associate Professor:

Graduate School of Fisheries and Environmental Sciences

Nagasaki University

(and Faculty of Environmental Science),

Visiting Senior Scientist: JAMSTEC

International Research Associate: ESCP Europe (UK)

Adjunct Researcher: Waseda University

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Date of Birth... March 13, 1982

Place of Birth... Hyogo, Japan

Gender... Male



Education...

- School of Policy Studies, Kwansei Gakuin University (2000–2003) [Supervisor: Takeshi Hisano]
- Graduate School of Information, Production, and Systems, Waseda University (2003–2004) [Supervisor: Fukuya Ishino]
- Graduate School of Policy Studies, Kwansei Gakuin University (2004–2007) [Supervisor: Toyoo Fukuda]

Degrees...

- Ph.D. (Policy Studies)
- MSc (Engineering)

Job History...

- JSPS Research Fellow DC2 (2006–2007)
- JSPS Research Fellow PD (2007–2008)
- Researcher: School of Policy Studies, Kwansei Gakuin University (2007–2008)
- Research Associate: Center for Global Environmental Research, National Institute for Environmental Studies (2008–2011)
- Assistant Professor: School of Environmental Science, The University of Shiga Prefecture (2011–2016)
- Associate Professor: Graduate School of Fisheries and Environmental Sciences, Nagasaki University (2016–)

- Visiting Research Associate: London Metropolitan Business School, London Metropolitan University (2011–2013)
- Senior Research Associate: ABM analytics (2011–2014)
- International Research Associate: Research Centre for Energy Management, ESCP Europe (2014–)
- Visiting Senior Scientist: Japan Agency for Marine-Earth Science and Technology (Project Team for Risk Information on Climate Change: 2016–2017, Project Team for Advanced Climate Modeling: 2017–)
- Adjunct Researcher: Research Institute for Environmental Economics and Management, Waseda University (2018–)

Internship...

- NTT Communication Science Laboratories (Knowledge Information Science Laboratory) (July–August, 2003) [Supervisor: Kazumi Saito and Naonori Ueda]

Research Fund and Contracted Research (bold: ongoing projects)...

<Grant-in-Aid for Scientific Research>

- Grant-in-Aid for JSPS Fellows [Evaluation of GHG Emissions Trading and Carbon Tax Using a Multi-agent Model] PI (2006–2008)
- Grant-in-Aid for Young Scientists (B) [Integrated Assessment of Energy Supply and Demand and Energy Resources Using an Agent-based Model] PI (2012–2015)
- Grant-in-Aid for Scientific Research (A) [Green Innovation of Energy and Environmental Accounting for Sustainable Development in East Asia] CoI (2013–2017)
- Grant-in-Aid for Young Scientists (B) [Evaluation of Climate Change and Energy Issues from Security Using a Computable General Equilibrium Model] PI (2015–2018)
- Grant-in-Aid for Scientific Research (C) [Environmental and Economic Evaluation of Climate Change Measures by International Cooperation Based on the Experience of the Clean Development Mechanism] CoI (2015–2018)
- Grant-in-Aid for Scientific Research (A) [Improving the Energy-Water-Material Nexus toward Sustainable Future in East Asia] CoI (2016–2020)
- **Grant-in-Aid for Scientific Research (C) [Evaluating Various Climate Scenarios Considering Interaction between Socioeconomic and Climate Systems] PI (2018–2021)**
- **Grant-in-Aid for Scientific Research (C) [Environmental Economic Evaluation of Climate Mitigation of International Cooperation in North-east Asia] CoI (2018–2021)**
- **Grant-in-Aid for Scientific Research (B) [New Poverty Risks Derived from Forest Development: Sustainable Forest Policy in Indonesia] CoI (2019–2022)**
- **Grant-in-Aid for Scientific Research (C) [Constructing Science-Policy Interface for achieving Sustainable Development Goals: An Example of Forest Sector] CoI (2019–2022)**

<Ministries>

- Program for Risk Information on Climate Change, MEXT [Theme B: Climate Change Projection Contributing to Stabilization Target Setting] CoI (2012–2017)
- Environment Research and Technology Development Fund (S14-5(5)), MOE [Research on Governance and Financing Mechanism for Effective Mitigation and Adaptation for Climate Change] CoI (2015–2020)
- **Integrated Research Program for Advancing Climate Models, MEXT [Theme B] CoI (2017–2022)**

<Municipal governments>

- Join Research Project on Review of the Basic Environmental Plan, Yasu-city. Co-researcher (2011–2012)
- FY 2013 Conservation of the Reed Community, Omihachiman-city. CoI (2013–2014)

<Research institutes>

- Reconstruction of Information Database for International Research Projects and Organizations, NIES-CGER. CoI (2006–2007)
- Reconstruction of Information Database for International Research Projects and Organizations, NIES-CGER. CoI (2007–2008)
- Development of Socioeconomic Scenarios toward Climate Stabilization Targets Using an Economic Model, JAMSTEC. PI (2012–2016)
- Incubation Study of Research Institute of Humanity and Nature. CoI (2013–2014)
- Research Promotion and Support Fund of Nagasaki University. PI (2018-2019)
- Research Promotion and Support Fund of Nagasaki University. PI (2019-2020)

<Private companies etc.>

- Global Warming Mitigation Measures of SSPS (Space Solar Power System) Using a Global Warming Projection Model (from Mitsubishi Research Institute). CoI (2004–2005)
- Development of Reference Cases for the Second Fundamental Plan for Establishing a Sound Material-Cycle Society, MOEJ (from Mitsubishi UFJ Research and Consulting). PI (2008)
- **Interdisciplinary Research on Health and Socioeconomic Impacts of PM2.5 by Multi-site Observations in Western Africa (from Sumitomo Foundation). CoI (2020–2022)**

<Outside Japan>

- AVOID Programme, UK (2009–2012)

Awards...

- Special Prize of The University of Shiga Prefecture (2014)
- Special Prize of The University of Shiga Prefecture (2015)
- Letter of Gratitude: National Center of Science and Technology Evaluation, Kazakhstan for peer-review of scientific research proposals (2016)
- Best Poster Award: 11th Conference on Sustainable Development of Energy, Water and Environment Systems (2016)

- Encouraging Prize: Society of Environmental Science, Japan (2018)
- Encouraging Prize: Society for Environmental Economics and Policy Studies (2019)
- Excellent Research Plan Award: Society of Environmental Science, Japan (2020)

Area of Expertise...

- Environmental Economics, Energy Economics, Environmental and Energy Policy, Sustainable Development

Keywords of My Research...

- Climate change and policy, Energy, Global environmental issues, CGE model, Econometric analysis, Agent-based mode, Energy security

Academic Society...

<Current>

- Society for Environmental Economics and Policy Studies
- Japan Society of Energy and Resources
- Society of Environmental Science, Japan
- International Association for Energy Economics

<Past>

- Japan Institute for Energy
- Society of Project Management
- International Centre for Sustainable Development of Energy, Water and Environment Systems

Board Member...

- Environmental Council (Vice-chairman), Takashima-city, Shiga Prefecture (2012–2016)
- Steering Committee of Environmental Center, Takashima-city, Shiga Prefecture (2014–2016)
- Exploratory Committee for Environmental Center, Takashima-city, Shiga Prefecture (2015)
- Exploratory Committee for Vision to Introduce Hydrogen and Renewable Energy, Iki-city, Nagasaki Prefecture (2018–2019)
- Exploratory Committee for Promotion Understanding Sophistication and Transition of Energy Structure (Vice-chairman), Iki-city, Nagasaki Prefecture (2019–2021)

Editorial Board...

- Environmental Science, Japan (2015–)

- Environmental System Committee of Japan Society of Civil Engineering (2015–)
- Global Security (Taylor & Francis, 2015–)
- Euro-Asian Journal of Sustainable Development Policy (PromitheasNet, 2016–)

Reviewer of Journals and Conference Papers...

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|---|--|
| • African Journal of Agricultural Research | • International Journal of Financial Engineering and Risk Management |
| • African Journal of Business Management | • International Journal of Women's Health |
| • Applied Energy | • Johnson Matthey Technology Review |
| • Carbon Balance and Management | • Journal of Cleaner Production |
| • Civil Engineering | • Journal of Contemporary African Studies |
| • Climate Policy | • Journal of Energy Engineering |
| • Climatic Change | • Journal of Energy Markets |
| • Computers & Operations Research | • Journal of Environmental Management |
| • Economic Analysis and Policy | • Journal of Environmental Planning and Management |
| • Ecological Modelling | • Journal of Global Environmental Research |
| • Energies | • Journal of Japan Agricultural Systems |
| • Energy Economics | • Journal of Japan Society of Energy and Resources |
| • Energy Journal | • Mitigation and Adaptation Strategies for Global Change |
| • Energy Policy | • Natural Resources Research |
| • Environmental Research Letters | • Papers on Environmental Information Science |
| • Energy Strategy Reviews | • Renewable and Sustainable Energy Reviews |
| • Environmental Economics and Policy Studies | • Resources, Conservation & Recycling |
| • Environmental Science | • Simulation Modelling Practice and Theory |
| • Fudan Journal of the Humanities and Social Sciences | • Sustainable Energy Technologies and Assessments |
| • Global Environment Engineering Research | • Sustainability Science |
| • Global Security | • Technological Forecasting and Social Change |
| • Heliyon | |
| • International Journal on Green Energy | |

Other academic activities...

- Scientific Advisory Board of Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems (2009–2018)
- External Referee of Academic Promotion Panel, London Metropolitan University (2013)
- Program Technical Committee of 3rd ScienceOne International Conference on Environmental Sciences (2013)
- Scientific Advisory Board of South East European Conference on Sustainable Development of Energy, Water and Environment Systems (2013–)
- Member of Environmental System Committee of Japan Society of Civil Engineering (2015–)
- Member of Editorial Board (Environmental System Committee of Japan Society of Civil Engineering) (2015–)
- Scientific Committee of International Scientific Conference on Energy and Climate Change (2015–)
- Scientific Advisory Board of Latin American SDEWES Conference on Sustainable Development of Energy, Water and Environment Systems (2017–)
- Scientific Committee of 3rd HAEE International Conference (2017–)
- Secretary (Editorial Board), Society of Environmental Science, Japan (2019–)
- External reviewer of Ph.D. thesis (Abdelrahman Azzuni; LUT University, Finland; 2020)

Other activities...

- Lecture on CGE Modeling at the AIM Workshop, National Institute for Environmental Studies (2008, 2009)
- Expert Reviewer for Research Fund of National Center of Science and Technology Evaluation, Ministry of Education and Science, Republic of Kazakhstan (2011–)
- Reviewer of Mid-term Evaluation of DECC's Avoiding Dangerous Climate Change (AVOID) Programme (2012)
- Steering Committee of Program for Risk Information on Climate Change B: Climate Change Projection Contributing to Stabilization Target Setting (2012–2017)
- Lecture on CGE Modeling at Research Group for East Asia Environmental Policy Studies, Ryukoku University (2013)

Lectures (grade)...

< Undergraduate >

- Environmental Economics I (1)
- Economics (2)
- Thinking about Environmental Law and Policy (2)
- Introduction to Environmental Science (1)
- International Environmental Expert Seminar
- Environmental Policy Basic Seminar A or B (2)
- Environmental Policy Seminar A, B (3)
- Research Seminar (4)

< Graduate school >

- Environmental Economics and Policy Studies (previously Environmental Economics) (M)
- Environmental Economics II (M)
- Advanced Environmental Economics II (M)
- Special Seminar, Research Seminar I, Research Seminar II (M)
- Environmental and Resource Economics (D)

< Part-time lectures >

- Environment, Energy, and Economy (Kobe University)

Past years

【Undergraduate, Nagasaki University】

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| • Thinking Local Environment (1) | • Environmental Policy Basic Seminar B (2) |
| • Environmental and Resource Economics (3) | • Environmental Policy II (3) |

【Graduate school, Nagasaki University】

- Interdisciplinary Advanced Seminar I (M)
- Special Lecture for Doctoral Students (D)
- 【Undergraduate, The University of Shiga Prefecture】
 - Applied Statistics I (2)
 - Environmental Information System (2)
 - Global Environmental System (2)
 - Field Work II (2)
 - Human Discovery (1)
 - Policy Making and Institution Seminar (1)
- Policy and Planning Basic Seminar I-II (2)
- Policy and Planning Seminar I-IV (3-4)
- Graduation Thesis Studies (4)
- Practice in Social Research (3)
- Field Work I (2)
- 【Graduate school, The University of Shiga Prefecture】
 - Environmental Policy Formation Process (M)
 - Advanced Studies in Environmental and Architectural Planning III-IV (M)
- Master Thesis in Environmental and Architectural Planning I-II (M)
- 【Part-time lecture】
 - Policy and Planning Seminar III and IV (The University of Shiga Prefecture)
- Graduation Thesis Studies (The University of Shiga Prefecture)

Others...

- Special part-time lecture for Sanda Shoukan High School (October, 2005)
- Lecture on Basic Lifesaving II (January 25, 2012)
- Lecture on Basic Lifesaving I (December 17, 2012; January 9, 2014; February 5, 2015)

Profiles in Other Websites...

- [Profile@Researchmap \(Japanese/English\)](#)
- [Profile@J-Global \(Japanese/English\)](#)
- [Profile@RCEM, ESCP Europe](#)
- [Profile@ResearchGate](#)

Publications

Papers (peer-reviewed; * corresponding but not first author)

1. Keeley, A., Matsumoto, K., Tanaka, K. Sugiawan, Y., and Managi, S. (in press) The Impact of Renewable Energy Generation on the Spot Market Price in Germany: Ex-post Analysis Using Boosting Method. *The Energy Journal* XX, XX-XX [doi.org/].
2. Najm, S. and Matsumoto, K.* (2020) Does Renewable Energy Substitute LNG International Trade in the Energy Transition? *Energy Economics* 92, 104964 [doi.org/10.1016/j.eneco.2020.104964].
3. Ren, L. and Matsumoto, K.* (2020) Effects of Socioeconomic and Natural Factors on Air Pollution in China: A Spatial Panel Data Analysis. *Science of the Total Environment* 740, 140155 [doi.org/10.1016/j.scitotenv.2020.140155].
4. Matsumoto, K., Makridou, G., and Doumpos, M. (2020) Evaluating Environmental Performance Using Data Envelopment Analysis: The case of European Countries. *Journal of Cleaner Production* 272, 122637 [doi.org/10.1016/j.jclepro.2020.122637].
5. Shigetomi, Y., Chapman, A., Nansai, K., Matsumoto, K., and Tohno, S. (2020) Quantifying Lifestyle Based Social Equity Implications for National Sustainable Development Policy. *Environmental Research Letters* 15, 084044 [doi.org/10.1088/1748-9326/ab9142].
6. Tembata, K., Yamamoto, Y., Yamamoto, M., and Matsumoto, K. (2020) Don't Rely too Much on Trees: Evidence from Flood Mitigation in China. *Science of the Total Environment* 735, 138410 [doi.org/10.1016/j.scitotenv.2020.138410].
7. Shiraki, H., Matsumoto, K., Shigetomi, Y., Ehara, T., Ochi, Y., and Ogawa, Y. (2020) Factors Affecting CO₂ Emissions from Private Automobiles in Japan: The Impact of Vehicle Occupancy. *Applied Energy* 259, 114196 [doi.org/10.1016/j.apenergy.2019.114196].
8. Matsumoto, K., Hasegawa, T., Morita, K., and Fujimori, S. (2019) Synergy Potential between Climate Change Mitigation and Forest Conservation Policies in the Indonesian Forest Sector: Implications for Achieving Multiple Sustainable Development Objectives. *Sustainability Science* 14, 1657-1672 [doi.org/10.1007/s11625-018-0650-6].
9. Huang, Y., Shigetomi, Y., Chapman, A., and Matsumoto, K.* (2019) Uncovering Household Carbon Footprint Drivers in an Aging, Shrinking Society. *Energies* 12(19), 3745 [doi.org/10.3390/en12193745].
10. Yamamoto, Y., Matsumoto, K., Kawata, K., and Kaneko, S. (2019) Gender-based Differences in Employment Opportunity and Wage Distribution in Nepal. *Journal of Asian Economics* 64, 101131 [doi.org/10.1016/j.asieco.2019.07.004].
11. Herran, D.S., Tachiiri, K., and Matsumoto, K. (2019) Global Energy System Transformations in Mitigation Scenarios Considering Climate Uncertainties. *Applied Energy* 243, 119-131 [doi.org/10.1016/j.apenergy.2019.03.069].
12. Matsumoto, K. (2019) Climate Change Impacts on Socioeconomic Activities through Labor Productivity Changes Considering Interactions between Socioeconomic and Climate Systems. *Journal of Cleaner Production* 216, 528-541 [doi.org/10.1016/j.jclepro.2018.12.127].
13. Matsumoto, K., Shigetomi, Y., Shiraki, H., Ochi, Y., Ogawa, Y., and Ehara, T. (2019) Addressing Key Drivers of Regional CO₂ Emissions of the Manufacturing Industry in Japan. *The Energy Journal* 40,

- 233-258 [doi.org/10.5547/01956574.40.S11.kmat].
14. Matsumoto, K., Yamamoto, Y., and Ohya, N. (2018) Effect of Subsidies and Tax Deductions on Promoting the construction of Long-life Quality Houses in Japan. *International Journal of Environmental Research and Public Health* 15(11), 2376 [doi.org/10.3390/ijerph15112376].
 15. Keeley, A. and Matsumoto, K. (2018) Relative Significance of Determinants of Foreign Direct Investment in Wind and Solar Energy in Developing Countries – AHP Analysis. *Energy Policy* 123, 337-348 [doi.org/10.1016/j.enpol.2018.08.055].
 16. Shigetomi, Y., Matsumoto, K., Ogawa, Y., Shiraki, H., Yamamoto, Y., Ochi, Y., and Ehara, T. (2018) Driving Forces Underlying Sub-national Carbon Dioxide Emissions within the Household Sector and Implications for the Paris Agreement Targets in Japan. *Applied Energy* 228, 2321-2332 [doi.org/10.1016/j.apenergy.2018.07.057].
 17. Matsumoto, K. and Shiraki, H. (2018) Energy Security Performance in Japan under Different Socioeconomic and Energy Conditions. *Renewable and Sustainable Energy Reviews* 90, 391-401 [doi.org/10.1016/j.rser.2018.03.070].
 18. Azuma, A., Chewprecha, U., Na, S-I., Chen, L-C., He, Y., Matsumoto, K., Lee, S. (2018) Modeling the Power Generation Sectors of East Asia in 2050: The Choice of Power Sources by Regulation of Nuclear and Coal Power. *Meijo Asian Research Journal* 8(1), 3-24. [[Link](#)].
 19. Morita, K. and Matsumoto, K. (2018) REDD+ Financing to Enhance Climate Change Mitigation and Adaptation and Biodiversity Co-benefits: Lessons from the Global Environment Facility. *AGRIVITA Journal of Agricultural Science* 40(1), 118-130 [doi.org/10.17503/agrivita.v40i0.1729].
 20. Keeley, A. and Matsumoto, K. (2018) Investors' Perspective on Determinants of Foreign Direct Investment in Wind and Solar Energy in Developing Economies: Review and Expert Opinions. *Journal of Cleaner Production* 179, 132-142 [doi.org/10.1016/j.jclepro.2017.12.154].
 21. Matsumoto, K., Doumpos, M., and Andriosopoulos, K. (2018) Historical Energy Security Performance in EU Countries. *Renewable and Sustainable Energy Reviews* 82, 1737-1748 [dx.doi.org/10.1016/j.rser.2017.06.058].
 22. Morita, K. and Matsumoto, K. (2018) Synergies among Climate Change and Biodiversity Conservation Measures and Policies in the Forest Sector: A case Study of Southeast Asian Countries. *Forest Policy and Economics* 87, 59-69 [doi.org/10.1016/j.forpol.2017.10.013].
 23. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2018) Evaluating Multiple Emission Pathways for Fixed Cumulative Carbon Dioxide Emissions from Global-scale Socioeconomic Perspectives. *Mitigation and Adaptation Strategies for Global Change* 23, 1-26 [dx.doi.org/10.1007/s11027-016-9726-8].
 24. Matsumoto, K. and Takagi, M. (2017) Climate Change Impact and Adaptation on Rice Production in Japan. *Environmental Science* 30(6), 346-356 [doi.org/10.11353/sesj.30.346] (in Japanese).
 25. Yamamoto, Y. and Matsumoto, K.* (2017) Choice of Contraceptive Methods by Women's Status: Evidence from Large-scale Microdata in Nepal. *Sexual and Reproductive Healthcare* 14, 48-54 [doi.org/10.1016/j.srhc.2017.09.005].
 26. Matsumoto, K., Morita, K., Mavrakis, D. and Konidari, P. (2017) Evaluating Japanese Policy Instruments for the Promotion of Renewable Energy Sources. *International Journal of Green Energy* 14(8), 724-736.
 27. Matsumoto, K. (2016) Transition of Energy Security Performances in Japan: Historical and Scenario

- Analysis. *Euro-Asian Journal of Sustainable Energy Development Policy* 5(2), 1-12 [[Link](#)].
28. Matsumoto, K. and Andriosopoulos, K. (2016) Energy Security in East Asia under Climate Mitigation Scenarios in the 21st Century. *Omega* 59, 60-71 [[dx.doi.org/10.1016/j.omega.2014.11.010](https://doi.org/10.1016/j.omega.2014.11.010)].
 29. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2016) Impact of Climate Model Uncertainties on Socioeconomics: a Case Study with a Medium Mitigation Scenario. *Computers & Operations Research* 66, 374-383 [doi.org/10.1016/j.cor.2015.01.011].
 30. Matsumoto, K. (2015) Energy Structure and Energy Security under Climate Mitigation Scenarios in China. *PLoS ONE* 10(12), e0144884 [[dx.doi.org/10.1371/journal.pone.0144884](https://doi.org/10.1371/journal.pone.0144884)].
 31. Matsumoto, K. and Voudouris, V. (2015) Potential Impact of Unconventional Oil Resources on Major Oil-producing Countries: Scenario Analysis with the ACEGES Model. *Natural Resources Research* 24(1), 107-119 [[dx.doi.org/10.1007/s11053-014-9246-8](https://doi.org/10.1007/s11053-014-9246-8)].
 32. Nakata, S. and Matsumoto, K. [[corresponding author](#)] (2014) Effect of Subsidies on Introducing Residential Photovoltaic Systems. *Journal of Japan Society of Civil Engineers Ser. G (Environmental Research)* 70(5), I_121-I_128 (in Japanese) [doi.org/10.2208/jscej.70.I_121].
 33. Voudouris, V., Matsumoto, K., Sedgwick, J., Rigby, R., Stasinopoulos, D., and Jefferson, M. (2014) Exploring the Production of Natural Gas through the Lenses of the ACEGES Model. *Energy Policy* 64, 124-133 [[dx.doi.org/10.1016/j.enpol.2013.08.053](https://doi.org/10.1016/j.enpol.2013.08.053)].
 34. Matsumoto, K. and Nakajima, M. (2013) Household Waste Reduction Effect of Sorted Collection of Recyclable Waste in Japan. *Journal of Environmental Science and Engineering B* 2(3), 135-141 [[dx.doi.org/10.17265/2162-5263/2013.03.002](https://doi.org/10.17265/2162-5263/2013.03.002)].
 35. Okagawa, A., Masui, T., Akashi, O., Hijioka, Y., Matsumoto, K., and Kainuma, M. (2012) Assessment of GHG Emission Reduction Pathways in a Society without Carbon Capture and Nuclear Technologies. *Energy Economics*, 34(S3), 391-398 [[dx.doi.org/10.1016/j.eneco.2012.07.011](https://doi.org/10.1016/j.eneco.2012.07.011)].
 36. Matsumoto, K. (2012) Economic Implications of CO₂ Emission Reduction in Japan Applying a Dynamic CGE Model with Endogenous Technological Change: Use of Emission Permit Revenue. *Journal of Environmental Science and Engineering B* 1(8), 945-956 [[dx.doi.org/10.17265/2162-5263/2012.08.002](https://doi.org/10.17265/2162-5263/2012.08.002)].
 37. Matsumoto, K., Voudouris, V., Stasinopoulos, D., Rigby, R., and Di Maio, C. (2012) Exploring Crude Oil Production and Export Capacity of the OPEC Middle East Countries. *Energy Policy* 48, 820-828 [[dx.doi.org/10.1016/j.enpol.2012.06.027](https://doi.org/10.1016/j.enpol.2012.06.027)].
 38. Matsumoto, K. (2011) Economic Analysis of CO₂ Emission Abatement Applying a Dynamic CGE Model with Endogenous Technological Change: Impacts of the Time Horizon. *Journal of Environmental Science and Engineering* 5(11), 1454-1463.
 39. Masui, T., Matsumoto, K., Hijioka, Y., Kinoshita, T., Nozawa, T., Ishiwatari, S., Kato, E., Shukla, P.R., Yamagata, Y., and Kainuma, M. (2011) An Emission Pathway for Stabilization at 6Wm⁻² Radiative Forcing. *Climatic Change* 109(1-2), 59-76 [[dx.doi.org/10.1007/s10584-011-0150-5](https://doi.org/10.1007/s10584-011-0150-5)].
 40. Meinshausen, M., Smith, S.J., Calvin, K.V., Daniel, J.S., Kainuma, M., Lamarque, J.-F., Matsumoto, K., Montzka, S.A., Raper, S.C.B., Riahi, K., Thomson, A.M., Velders G.J.M., and van Vuuren, D. (2011) The RCP Greenhouse Gas Concentrations and their Extension from 1765 to 2300. *Climatic Change* 109(1-2), 213-241 [[dx.doi.org/10.1007/s10584-011-0156-z](https://doi.org/10.1007/s10584-011-0156-z)].
 41. Matsumoto, K. and Masui, T. (2011) Economic Impacts to Avoid Dangerous Climate Change Using the

- AIM/CGE Model. *Procedia Environmental Sciences* 6, 162–168 [[dx.doi.org/10.1016/j.proenv.2011.05.017](https://doi.org/10.1016/j.proenv.2011.05.017)].
42. Matsumoto, K. (2011) Analyzing Economic Impacts of CO₂ Abatement and R&D Promotion in Japan Applying a Dynamic CGE Model with Endogenous Technological Change. *Journal of Global Environment Engineering* 16, 25–33.
 43. Matsumoto, K. and Masui, T. (2011) Analyzing Long-term Impacts of Carbon Tax Based on the Imputed Price Applying the AIM/CGE Model. *Management of Environmental Quality* 22(1), 33–47 [[dx.doi.org/10.1108/14777831111098462](https://doi.org/10.1108/14777831111098462)].
 44. Matsumoto, K. (2010) Economic Analysis on a Climate Change Measure Applying a CGE Model Considering Endogenous Technological Change: Targeting Japanese Economy. *Global Environment Engineering Research* 18, 53–61 (in Japanese).
 45. Matsumoto, K. and Masui, T. (2010) Economic Implication of Avoiding Dangerous Climate Change: An Analysis Using the AIM/CGE[Global] Model. *Journal of Environmental Science and Engineering* 4(7), 76–83.
 46. Matsumoto, K. and Masui, T. (2009) Mid-term Dynamic Effects of Carbon Tax Based on the Imputed Price of Carbon. *Environmental Science* 22(6), 391–400 [doi.org/10.11353/sesj.22.391].
 47. Matsumoto, K. (2008) Evaluation of an Artificial Market Approach for GHG Emissions Trading Analysis. *Simulation Modelling Practice and Theory* 16(9), 1312–1322 [[dx.doi.org/10.1016/j.simpat.2008.06.010](https://doi.org/10.1016/j.simpat.2008.06.010)].
 48. Matsumoto, K. (2008) Introduction of the Carbon Tax Based on the Imputed Price of Carbon for the Post Kyoto Protocol Scenario. *International Journal of Green Energy* 5(4), 241–254 [[dx.doi.org/10.1080/15435070802229134](https://doi.org/10.1080/15435070802229134)].
 49. Matsumoto, K. (2007) Analysis of CO₂ Emissions Trading Considering the Kyoto Protocol Using a Multi-agent Model. *Journal of Policy Studies* 26, 11–18.
 50. Matsumoto, K. and Fukuda, T. (2006) Influences on International Competitiveness and CO₂ Emissions Reduction due to the Environmental Tax Reduction and Exemption for Energy-Intensive Industries. *Environmental Science* 19(6), 527–534 (in Japanese) [doi.org/10.11353/sesj1988.19.527].
 51. Matsumoto, K. and Fukuda, T. (2006) Environmental and Economic Analyses of the Carbon Tax Based on the Imputed Price Using Applied General Equilibrium Model: Taxation on the Upper Industrial Sectors. *Environmental Economics and Policy Studies* 8(1), 89–102 [doi.org/10.1007/BF03353994].
 52. Matsumoto, K. (2006) Environmental and Economic Analyses of the Carbon Tax Based on the Imputed Price of Carbon. *Journal of Policy Studies* 23, 41–52 (in Japanese).
 53. Matsumoto, K. and Fukuda, T. (2006) Environmental and Economic Analyses of the Carbon Tax Based on the Imputed Price Using Applied General Equilibrium Model: Taxation on All Industrial Sectors. *Environmental Science* 19(2), 89–98 (in Japanese) [doi.org/10.11353/sesj1988.19.89].
 54. Matsumoto, K. and Ishino, F. (2004) Social Project and Asynchronous Communication -Concerning Electric Power Risk Provision Project-. *Journal of the Society of Project Management* 6(4), 33–38 (in Japanese) [doi.org/10.14914/spmj.6.4_33].

Papers (working papers and non-peer-reviewed papers; * corresponding but not first author)

1. Ito, Y., Matsumoto, K., Usup, A., Fukui, T., and Yamamoto, Y. (2020) Edible Bird's Nests: A Way for Sustainable Agricultural Livelihood in Indonesia. *SSRN Working Paper Series* 3531323 [[Link](#)].

2. Tembata, K., Matsumoto, K., Yamamoto, M., and Yamamoto, Y. (2020) Forest and Floods Mitigation: Evidence from China. *SSRN Working Paper Series* 3515698 [[Link](#)]. (updated version: Tembata, Yamamoto, Yamamoto, Matsumoto from *Science of the Total Environment*, doi.org/10.1016/j.scitotenv.2020.138410).
3. Huang, Y. and Matsumoto, K.* (2019) Impact of Urbanization on Changes in CO₂ Emissions in China: Analysis of 30 Provincial Administrative Units. *SSRN Working Paper Series* 3414208 [[Link](#)].
4. Matsumoto, K. (2018) Global Warming and Socioeconomic Activities: Impact of Labor Productivity. *SSRN Working Paper Series* 3219603 [[Link](#)] (updated version: Matsumoto from *Journal of Cleaner Production*, doi.org/10.1016/j.jclepro.2018.12.127).
5. Yamamoto, Y. and Matsumoto, K. (2018) Do Sustainable Forest Managements Affect Forest Conservation? *SSRN Working Paper Series* 3192199 [[Link](#)].
6. Shigetomi, Y., Matsumoto, K., Ehara, T., Ochi, Y., Ogawa, Y., Shiraki, H., and Yamamoto, Y. (2018) Socio-Demographic Drivers of Residential CO₂ Emissions in the 47 Prefectures of Japan. *SSRN Working Paper Series* 3156008 [[Link](#)] (updated version: Shigetomi, Matsumoto, et al. from *Applied Energy*, doi.org/10.1016/j.apenergy.2018.07.057).
7. Matsumoto, K., Ohya, N., and Yamamoto, Y. (2018) Factors to Facilitate Building Long-Life Quality Housing. *SSRN Working Paper Series* 3154211 [[Link](#)] (Updated version: Matsumoto, Yamamoto, and Ohya from *International Journal of Environmental Research and Public Health*, doi.org/10.3390/ijerph15112376).
8. Morita, K. and Matsumoto, K. (2017) Effective Finance to Enhance REDD Co-Benefits: Lessons from Global Environment Facility Finance. *SSRN Working Paper Series* 2960582 [[Link](#)] (updated version: Morita and Matsumoto from *AGRIVITA Journal of Agricultural Science*, doi.org/10.17503/agrivita.v40i0.1729).
9. Yamamoto, Y. and Matsumoto, K.* (2017) Determinants of Contraceptive Choice in Nepal. *SSRN Working Paper Series* 2956137 [[Link](#)] (updated version: Yamamoto and Matsumoto from *Sexual and Reproductive Healthcare*, doi.org/10.1016/j.srhc.2017.09.005).
10. Matsumoto, K. and Shiraki, H. (2017) Energy Security Performance under Various Socioeconomic Scenarios and Efforts toward Low-carbon Society in Japan. *USAEE/IAEE Working Paper Series* 17-309 [[Link](#)] (updated version: Matsumoto and Shiraki from *Renewable and Sustainable Energy Reviews*, doi.org/10.1016/j.rser.2018.03.070).
11. Matsumoto, K., Doumpos, M., and Andriosopoulos, K. (2016) Historical Energy Security Analysis of EU Countries. *USAEE/IAEE Working Paper Series* 16-275 [[Link](#)] (updated version: Matsumoto et al. from *Renewable and Sustainable Energy Reviews*, dx.doi.org/10.1016/j.rser.2017.06.058).
12. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2016) Do Different Emission Pathways under Fixed Cumulative CO₂ Emissions affect Socioeconomic Conditions? *USAEE/IAEE Working Paper Series* 16-271 [[Link](#)] (updated version: Matsumoto et al. from *Mitigation and Adaptation Strategies for Global Change*, dx.doi.org/10.1007/s11027-016-9726-8).
13. Morita, K. and Matsumoto, K. (2015) Synergy Potential among Climate Change Mitigation, Adaptation, and Biodiversity and Ecosystem Conservation in the Forest Sector. *Journal of Environmental Indicators* 9, 46–47 [[Link](#)].
14. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2015) Evaluating Multiple Emission Pathways for a Fixed Cumulative CO₂ Emission from Socioeconomic Perspectives. *USAEE/IAEE Working Paper Series* 15-221 [[Link](#)].

15. Matsumoto, K. (2015) Climate Stabilization Targets and Socioeconomic Scenario Analysis. *Environmental Information Science* 44(1), 25–29 (invited, in Japanese).
16. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2014) Socioeconomic Analysis of Various Emission Pathways Considering the Uncertainties of Earth System Models. *USAE/IAEE Working Paper Series* 14-158 [[Link](#)].
17. Matsumoto, K., Voudouris, V., and Andriosopoulos, K. (2014) Unconventional Oil: Will it Satisfy Future Global Oil Demand? *USAE/IAEE Working Paper Series* 14-156 [[Link](#)].
18. Matsumoto, K. (2012) Energy Structure and Energy Security under Climate Change Mitigation Scenarios. *Journal of Policy Studies* 40, 89–94 (invited, in Japanese) [[Link](#)].
19. Voudouris, V., Matsumoto, K., Rigby, R., and Stasinopoulos, D. (2011) Exploring the Production of Natural Gas Using ACEGES. *CIBS Working Paper Series* 23 [[Link](#)].
20. Matsumoto, K. (2008) A Carbon Tax Based on the Imputed Price of Carbon for the Post-Kyoto. *Journal of Policy Studies* 30, 139–150 (in Japanese) [[Link](#)].
21. Matsumoto, K. (2005) Comparative Analysis of Green House Gases Emissions Trading Markets. *Kwansei Gakuin Policy Studies Review* 4, 1–13 (in Japanese).

Books

1. Matsumoto, K. and Gao, A.M.Z. (eds.) (2015) Economic Instruments to Combat Climate Change in Asian Countries. Kluwer Law International, Alphen aan den Rijn, 212p [[Link](#)].

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1. Huang, Y., Li, C., and Matsumoto, K.* (in press) Historical Energy Security Performances of China: A Bi-Level Analysis. Ren, J. (ed.) China's Energy Security: Analysis, Assessment and Improvement. 61-91, World Scientific Publishing, Singapore [doi.org/10.1142/9781786349224_0003].
2. Matsumoto, K., and Fujimori, S. (2019) CGE Models in Energy Economics. (eds.) Soytaş, U. and Sarı, R. Routledge Handbook of Energy Economics. 431-444, Routledge, Oxon and New York [[Link for book](#)].
3. Lee, T., Chewpreecha, U., Na, S., He, Y., Chen, L., Matsumoto, K., and Lee, S. (2019) The Impacts of Combined Policies to Promote Sustainable Low-carbon Power Generation in East Asia. Lee, S., Pollitt, H., and Fujikawa, K. (eds.) Energy, Environmental and Economic Sustainability in East Asia. 68-95, Routledge, Oxon and New York [[Link for book](#)].
4. Azuma, A., Chewpreecha, U., Na, S., Chen, L., He, Y., Matsumoto, K., and Lee, S. (2019) Regulatory Policies to Reduce the Amount of Nuclear and Coal-fired Power Generation in East Asia. Lee, S., Pollitt, H., and Fujikawa, K. (eds.) Energy, Environmental and Economic Sustainability in East Asia. 17-48, Routledge, Oxon and New York [[Link for book](#)].
5. Matsumoto, K. (2018) Energy Security Performance in Japan: Historical and Scenario Analysis. In: Hsu, S. (ed.) Routledge Handbook of Sustainable Development in Asia. 596-610, Routledge, Oxon and New York [[Link for book](#)].
6. Lee, S., Liu, X., Matsumoto, K., Na, S., and Chen, L. (2015) Energy Systems and Environmental Policy in East Asia. In: Lee, S., Pollitt, H., and Park, S. (eds.) Low-carbon, Sustainable Future in East Asia. 1-28, Routledge, Oxon and New York [[Link for book](#)].

7. Ogawa, Y., Mercure, J.F., Lee, S., Pollitt, H., Matsumoto, K., and Chiashi, A. (2015) Modeling the Power Sector in East Asia: Economic and Environmental Impacts of the Choices of Power Sources. In: Lee, S., Pollitt, H., and Park, S. (eds.) Low-carbon, Sustainable Future in East Asia. 63-72, Routledge, Oxon and New York [[Link for book](#)].
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9. Morita, K. and Matsumoto, K. (2015) Enhancing Biodiversity Co-benefits of Adaptation to Climate Change. In: Leal, W. (ed.) Handbook of Climate Change Adaptation. 953-972, Springer, Berlin [[dx.doi.org/10.1007/978-3-642-38670-1_21](https://doi.org/10.1007/978-3-642-38670-1_21)].
10. Morita, K. and Matsumoto, K. (2015) Financing Adaptation to Climate Change in Developing Countries. In: Leal, W. (ed.) Handbook of Climate Change Adaptation. 983-1005, Springer, Berlin [[dx.doi.org/10.1007/978-3-642-38670-1_22](https://doi.org/10.1007/978-3-642-38670-1_22)].
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12. Morita, K. and Matsumoto, K. (2015) Tax for Climate Change Mitigation in Japan. In: Matsumoto, K. and Gao, A.M.Z. (eds.) Economic Instruments to Combat Climate Change in Asian Countries. 7-24, Kluwer Law International, Alphen aan den Rijn.
13. Gao, A.M.Z. and Matsumoto, K. (2015) Conclusion: The Unusual Pace in Addressing Climate Change in Asia. In: Matsumoto, K. and Gao, A.M.Z. (eds.) Economic Instruments to Combat Climate Change in Asian Countries. 195-197, Kluwer Law International, Alphen aan den Rijn.
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15. Matsumoto, K. (2013) Change in Energy Structure and Energy Security under Climate Mitigation Scenarios. In: Leal, W. and Voudouris, V. (eds.) Global Energy Policy and Security. 45-57, Springer, London [[dx.doi.org/10.1007/978-1-4471-5286-6_4](https://doi.org/10.1007/978-1-4471-5286-6_4)].

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1. Matsumoto, K. (2018) Endogenous Technological Change. In: Society for Environmental Economics and Policy Studies (ed.) Encyclopedia of Environmental Economics and Policies. 450-451, Maruzen, Tokyo (in Japanese) [[Link](#)].
2. Matsumoto, K., (2015) How to Create Figures and Tables. In: Environmental Fieldwork Research Group, The University of Shiga Prefecture (ed.) Textbook for Fieldwork. 88-90, Sunrise Publication, Hikone (in Japanese).
3. Matsumoto, K., Akashi, O., Hanaoka, T., and Masui, T. (2014) Climate Mitigation Model. In: Center for Global Environmental Research, National Institute for Environmental Studies (ed.) Encyclopedia of Climate

Change. 298–302, Maruzen, Tokyo (in Japanese) [[Link](#)].

Conference Proceedings (including refereed)

1. Tanaka, K., Matsumoto, K., Keeley, A., and Managi, S. (2021) The Impact of Climate Change on the Supply and Demand for Electric Power and Wholesale Prices for Electricity in Germany. 43rd IAEE International Conference: Paris, France [refereed].
2. Najm, S. and Matsumoto, K. (2021) LNG International Trade and the Energy Transition. 43rd IAEE International Conference: Paris, France [refereed].
3. Chen, Y. and Matsumoto, K. (2020) Industrial Eco-efficiency and its Determinants in China: Data Envelopment and Tobit Regression Analyses. Annual Conference of Society for Environmental Economics and Policy Studies 2020: Virtual.
4. Matsumura, Y. and Matsumoto, K. (2020) Spillover Effect of Introducing Renewable Energy in Remote Islands: A Case Study of Tsushima. Annual Conference of Society of Environmental Science 2020: Virtual.
5. Matsumura, Y. and Matsumoto, K. (2020) Qualitative and Quantitative Analyses of Introducing Renewable Energy in a Remote Island: A Case Study of Tsushima Island, Japan. 15th Conference on Sustainable Development of Energy, Water, and Environment Systems: Virtual [refereed].
6. Matsumoto, K. and Najm, S. (2020) LNG Trade and the Energy Transition: Trade Gravity Model Considering Renewable Energy Policy. 15th Conference on Sustainable Development of Energy, Water, and Environment Systems: Virtual [refereed].
7. Zhang, T. and Matsumoto, K. (2020) Analysis of Renewable Energy Electricity Generation Industries Competitive in China by Michael Porter Diamond Model and Analytic Hierarchy Process. 30th Anniversary International Academic Conference of the Korea Environmental Economics Association: Virtual.
8. Ohgaito, R., Kawamiya, M., Hajima, T. and Matsumoto, K. (2020) Will the Pandemic of COVID-19 Change Climate?: Tests Using MIROC-ES2L Earth System Model. JpGU-AGU Joint Meeting 2020: Virtual [refereed].
9. Huang, Y. and Matsumoto, K. (2019) Impact of Urbanization on CO₂ emissions in China: Analysis of 30 Provincial Administrative Units. Annual Conference of Society of Environmental Science 2019: Nagoya University, Japan (poster).
10. Morita, K. and Matsumoto, K. (2019) Challenges in the Science-Policy Interface to Achieve the SDGs, Using a Case of Forest Sector. Annual Conference of Society of Environmental Science 2019: Nagoya University, Japan.
11. Shigetomi, Y., Chapman, A., Nansai, K., Matsumoto, K., and Tohno, S. (2019) Visualizing Subjectively Weighted Lifecycle-based Social Equity. 27th International Input-Output Association Conference: Glasgow, UK [refereed].
12. Keeley, A. and Matsumoto, K. (2019) AHP Analysis to Explore Relative Significance of Foreign Direct Investment in Renewable Energy Sectors in Developing Countries. 42nd IAEE International Conference: Montreal, Canada [refereed].
13. Makridou, G., Matsumoto, K., and Doumpos, M. (2019) Measuring the Environmental Performance of European Countries. 4th HAEE Annual Symposiums. Athens, Greece [refereed].
14. Matsumoto, K. (2018) Evaluating Environmental and Energy Policies Using Economic Models. Annual

- Conference of Society of Environmental Science 2018: Toyo University, Japan (in Japanese), *Invited*.
15. Matsumoto, K. Shigetomi, Y., Shiraki, H., Ochi, Y., Ogawa, Y., and Ehara, T. (2018) Regional-scale Decomposition Analysis of CO₂ Emissions of the Manufacturing Industry in Japan. 41st IAEE International Conference: Groningen, Netherlands [refereed].
 16. Shigetomi, Y., Matsumoto, K. Shiraki, H., Ochi, Y., Ogawa, Y., Ehara, T., and Yamamoto, Y. (2018) Influence of Regional Socio-economic Drivers on Residential CO₂ Emissions in Japan. 41st IAEE International Conference: Groningen, Netherlands (poster presentation) [refereed].
 17. Shiraki, H., Matsumoto, K. Shigetomi, Y., Ehara, T., Ochi, Y., and Ogawa, Y. (2018) Decomposition of Automobile CO₂ Emissions by Region Considering Transport Efficiency. 37th Conference of Japan Society of Energy and Resources: Osaka, Japan. [refereed].
 18. Matsumoto, K. and Tachiiri, K. (2018) Impact of Climate Change on Human Activities: Review. JpGU2018: Chiba, Japan (oral & poster presentation) [refereed].
 19. Matsumoto, K. (2018) Global Warming Impact on Future Socioeconomic Activities through Labor Productivity. 3rd HAEE International Conference: Athens, Greece [refereed].
 20. Shigetomi, Y., Matsumoto, K., Ehara, T., Ochi, Y., Ogawa, Y., Shiraki, H., and Yamamoto, Y. (2018) Factor Analysis for Changes in CO₂ Emissions in a Household Sector in 47 Prefectures. 13th Meeting of the Institute of Life Cycle Assessment, Japan: Waseda University, Japan (in Japanese).
 21. Tachiiri, K. and Matsumoto, K. (2017) Toward Global Warming Projections Considering Climate-Socioeconomic Systems Feedback. 2017 Fall Meeting of Meteorological Society of Japan: Hokkaido University, Japan (poster presentation; in Japanese).
 22. Morita, K. and Matsumoto, K. (2017) Effective Finance for Sustainable Forest Conservation and Management in Developing Countries: Case of Cambodia. Annual Conference of Society of Environmental Science 2017: Kitakyushu International Conference Center, Japan (in Japanese).
 23. Matsumoto, K. Shigetomi, Y., Ehara, T., Ochi, Y., Ogawa, Y., Shiraki, H., and Yamamoto, Y. (2017) Addressing the key drivers of regional energy consumption of the manufacturing industry in Japan. 8th International Conference on Life Cycle Management: Luxemburg, Luxemburg (poster presentation) [refereed].
 24. Azuma, A., Chewpreecha, U., Na, S-I., Chen, L-C., He, Y., Lee, S., and Matsumoto, K. (2017) Modeling the Power Generation Sectors of East Asia in 2050 – the choice of Power Sources by Regulation of Nuclear and Coal Power. Seventh Congress of the East Asian Association of Environmental and Resource Economics, Singapore.
 25. Lee, T-Y., Chewpreecha, U., Na, S-I., He, Y., Chen, L-C., and Matsumoto, K. (2017) Modelling the Power Sectors in East Asia: the Choice of Power Sources by Feed-in Tariff and Carbon Taxes to Meet the 2030 NDCs and 2050 CO₂ Targets. Seventh Congress of the East Asian Association of Environmental and Resource Economics, Singapore.
 26. Tachiiri, K., Matsumoto, K., and Silva, D.H. (2017) ESM-IAM Linkage in the Program for Risk Information on Climate Change and a Following Project. 10th International Carbon Dioxide Conference: Bern, Switzerland [refereed].
 27. Keeley, A.R. and Matsumoto, K. (2017) Investors' Perspective on Determinants of Foreign Direct Investment in Renewable Energy in Developing Economies -What is Really Significant? 2nd HAEE

International Conference: Athens, Greece [refereed].

28. Matsumoto, K., Ikuta, H., and Shiraki, H. (2017) Energy Security Performance in Japan under Different Socioeconomic and Energy Conditions. 2nd HAEE International Conference: Athens, Greece [refereed].
29. Matsumoto, K. (2016) Energy security performance in Japan: past and future. 9th International Scientific Conference on Energy and Climate Change: Athens, Greece [refereed].
30. Morita, K. and Matsumoto, K. (2016) Effective Forest Finance to Enhance Climate Change Mitigation, Adaptation and Biodiversity: Lessons from Global Environment Facility Finance. 9th International Scientific Conference on Energy and Climate Change: Athens, Greece [refereed].
31. Morita, K. and Matsumoto, K. (2016) Institutions for Enhancing Co-benefits of Forest Conservation. 2nd Asian Conference on Management and Sustainability: Hiroshima, Japan [refereed].
32. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2016) Socioeconomic implications of cumulative CO₂ emissions in the 21st century under climate mitigation scenarios. 11th Conference on Sustainable Development of Energy, Water, and Environment Systems: Lisbon, Portugal [refereed].
33. Matsumoto, K., Doupos, M., and Andriosopoulos, K. (2016) Historical energy security analysis for EU countries. 11th Conference on Sustainable Development of Energy, Water, and Environment Systems: Lisbon, Portugal (poster presentation) [refereed].
34. Matsumoto, K. (2016) Historical Energy Security Performance in Japan. 32nd Conference on Energy, Economy, and Environment: Tokyo, Japan (in Japanese).
35. Tachiiri, K., Hajima, T., Matsumoto, K., Silva, D., Watanabe, S., and Kawamiya M. (2016) Earth System Models and Treatment of Land Use: toward Linkage with Integrated Assessment Models. 32nd Conference on Energy, Economy, and Environment: Tokyo, Japan (in Japanese).
36. Silva, D., Tachiiri, K., and Matsumoto, K. (2015) Energy Consumption under RCP4.5 Mitigation Scenario Using Economic Models. Poster Session. 2015 Fall Meeting of Meteorological Society of Japan: Kyoto Terra, Japan.
37. Morita, K. and Matsumoto, K. (2015) Synergy Potential among Climate Change Mitigation, Adaptation, and Biodiversity and Ecosystem Conservation in the Forest Sector. 21st International Conference on Environmental Indicators: Windsor, Canada [refereed].
38. Matsumoto, K. (2015) Climate Change Measures and Energy Security in Japan. 34 th Research Conference of Energy and Resources: Tokyo, Japan (in Japanese).
39. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2015) Evaluating Multiple Emission Pathways for Fixed Cumulative CO₂ Emissions from Socioeconomic Perspectives. IAEE International Conference 2015: Antalya, Turkey [refereed].
40. Matsumoto, K. (2014) Energy Structure and Energy Security under Climate Mitigation Scenarios in China. 4th IAEE Asian Conference: Beijing, China [refereed].
41. Nakata, S. and Matsumoto, K. (2014) Effect of Subsidies on Introducing Residential Photovoltaic Systems. 22nd Symposium on Global Environmental Research: Tokyo, Japan (in Japanese).
42. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2014) Evaluating Different Emission Pathways for Fixed Cumulative CO₂ Emissions in the 21st Century. 53rd Meeting of the EWGCFM and 2nd International Conference of the RCEM: Chania, Greece [refereed].
43. Matsumoto, K. and Tachiiri, K. (2014) Integration of Climate and Economic Modeling Studies. Japan

Geoscience Union Meeting 2014: Pacifico Yokohama, Japan.

44. Matsumoto, K., Voudouris, V., and Andriosopoulos, K. (2014) Unconventional Oil: Will it Satisfy Future Global Oil Demand? ICCM 2014-International Conference on Commodity Markets: Paris, France [refereed].
45. Matsumoto, K. and Morita, K. (2013) Adaptation Financing in Developing Countries in the Asian Region. Annual Conference of Society for Environmental Economics and Policy Studies 2013: Kobe University, Japan.
46. Morita, K. and Matsumoto, K. (2013) Institutional Linkages for Ecosystem-Based Adaptation. Annual Conference of Society for Environmental Economics and Policy Studies 2013: Kobe University, Japan.
47. Morita, K. and Matsumoto, K. (2013) Japan's Feed in Tariff Effective in 2012, and its Implementation in the post-Fukushima Era. International Joint Conference on Changing Energy Law and Policy in Asia Region: Hsinchu, Taiwan, *Invited*.
48. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2013) Socioeconomic Impacts to Achieve a Certain Radiative Forcing Level Considering Uncertainties of ESMs. IAEE International Conference 2013: Daegu, Korea [refereed].
49. Matsumoto, K. and Voudouris, V. (2013) Potential Impacts of Unconventional Oil Resources on Major Oil Producing Countries -Scenario Analysis by the ACEGES Model-. 32nd Conference of Japan Society of Energy and Resources: Tokyo, Japan.
50. Matsumoto, K., Voudouris, V., and Andriosopoulos, K. (2013) Potential Impacts of Unconventional Resources on Energy Markets. 51st Meeting of the Euro Working Group on Financial Modelling/1st Conference of the Research Centre for Energy Management: London, UK [refereed].
51. Tachiiri, K., Matsumoto, K., and Kawamiya, M. (2013) Information Gathering and Examination on Socio-economic Scenarios toward Stabilization Target Setting. 2013 Spring Meeting of Meteorological Society of Japan: National Olympics Memorial Youth Center, Japan (in Japanese).
52. Voudouris, V. and Matsumoto, K. (2012) The ACEGES Laboratory for Energy Policy. IIASA 40th Anniversary Conference: Laxenburg, Austria.
53. Matsumoto, K. and Voudouris, V. (2012) Scenario Analysis of Future Natural Gas Production Using an Agent-based Model 'ACEGES'. IAEE International Conference 2012: Perth, Australia [refereed].
54. Matsumoto, K. (2011) The AIM/CGE [Global] Model: Representative Concentration Pathways Analysis for the IPCC 5th Assessment Report. 3rd CIBS Annual Conference: London, UK.
55. Matsumoto, K. (2011) Exploring the Future of Global Natural Gas Production Using ACEGES. 3rd CIBS Annual Conference: London, UK.
56. Matsumoto, K. (2010) Analyzing a Climate Change Policy Using a Dynamic CGE Model with Endogenous Technological Change: Tax Revenue for Subsidies on R&D Investment. Annual Conference of Society for Environmental Economics and Policy Studies 2010: Nagoya University, Japan.
57. Matsumoto, K. and Okagawa, A. (2010) Analysis of Economic and Environmental Impacts of CO₂ Abatement in Japan Applying a CGE Model with Knowledge Investment. International Conference on Economic Modeling 2010: Istanbul, Turkey [refereed].
58. Warren, R., Arnell, N., Berry, P., Brown, S., Dicks, L., Gosling, S., Hankin, R., Hope, C., Lowe, J., Matsumoto, K., Masui, T., Nicholls, R., O'Hanley, J., Osborn, T., Screicru, S. (2010) AVOID Work Stream

One. Earth System Science 2010: Edinburgh, UK [refereed].

59. Matsumoto, K. and Masui, T. (2010) Economic Impacts to Avoid Dangerous Climate Change Using the AIM/CGE Model. Earth System Science 2010: Edinburgh, UK [refereed].
60. Warren, R. and the AVOID-WS1 Team (2010) Key Conclusions from AVOID Work Stream One. European Geosciences Union General Assembly 2010: Vienne, Austria [refereed].
61. Matsumoto, K. and Masui, T. (2010) An Economic Aspect of the AVOID Programme: Analysis Using the AIM/CGE Model. European Geosciences Union General Assembly 2010: Vienne, Austria [refereed].
62. Matsumoto, K. and Masui, T. (2009) Long-term Dynamic Effects of Carbon Tax Based on the Imputed Price of Carbon. 5th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems: Dubrovnik, Croatia [refereed].
63. Matsumoto, K. and Masui, T. (2009) Mid-term Dynamic Effects of Carbon Tax Based on the Imputed Price of Carbon. Annual Conference of Society of Environmental Science 2009: Hokkaido University, Japan.
64. Matsumoto, K. and Masui, T. (2009) Short-term Dynamic Effects of Carbon Tax Based on the Imputed Price of Carbon. Annual Conference of Society for Environmental Economics and Policy Studies 2009: Chiba University, Japan.
65. Matsumoto, K. (2008) Application of an Artificial Market Approach for Emissions Trading Analysis: Evaluation of the Model. Annual Conference of Society for Environmental Economics and Policy Studies 2008: Osaka University, Japan (in Japanese).
66. Matsumoto, K. (2008) International Emissions Trading as a Climate Change Policy Considering a Fine: An Analysis Applying a Multi-agent Model. International Conference on Policy Modeling 2008: Berlin, Germany [refereed].
67. Matsumoto, K. (2007) Analysis of International Emissions Trading When Speculators Participate Using a Multi-agent Model. Annual Conference of Society for Environmental Economics and Policy Studies 2007: Shiga University, Japan.
68. Matsumoto, K. (2007) Analysis of International Emissions Trading Considering Worldwide Participation Using a Multi-Agent Simulation Model. Annual Conference of Society of Environmental Science 2007: Nagasaki University, Japan.
69. Matsumoto, K. (2007) A Multi-Agent Model to Analyze CO₂ Emissions Trading. International Conference on Energy and Environmental Modeling 2007: Moscow, Russia [refereed].
70. Matsumoto, K. (2007) Analysis of International Emissions Trading System Applying Multi-Agent Model -Considering the Kyoto Protocol-. International Conference on Energy and Environmental Modeling 2007: Moscow, Russia [refereed].
71. Matsumoto, K. (2007) Potential Role of Developing Countries on the International Climate Change Policy from the Viewpoint of Participation. International Conference on Energy and Environmental Modeling 2007: Moscow, Russia [refereed].
72. Matsumoto, K. (2007) Introduction of the Carbon Tax Based on the Imputed Price of Carbon for the Post Kyoto Protocol Scenario. 3rd International Green Energy Conference: Malardalen University, Sweden [refereed].
73. Matsumoto, K. (2007) Quantitative Analysis of the Monopolistic Power of Economies in Transition in the International Emissions Trading. Tenth Annual Conference on Global Economic Analysis: Purdue

University, USA [refereed].

74. Matsumoto, K. (2006) China's Potential Roles on Climate Change Measures -Concept of Multi-Agent Model-, Annual Conference of Society for Environmental Economics and Policy Studies 2006: Kyoto, Japan.
75. Matsumoto, K. and Fukuda, T. (2006) Influences on International Competitiveness and CO₂ Emissions Reduction due to the Environmental Tax Reduction and Exemption for Energy-Intensive Industries. Annual Conference of Society of Environmental Science 2006: Sophia University, Japan (in Japanese).
76. Matsumoto, K. and Fukuda, T. (2006) Analysis of the Effects of the Carbon Taxes Based on Imputed Price of Carbon. International Conference on Policy Modeling 2006: Hong Kong [refereed].
77. Matsumoto, K. (2005) Analysis of the Carbon Tax Based on the Imputed Price Using Applied General Equilibrium Model -Taxation on All Industrial Sectors-. Annual Conference of Society for Environmental Economics and Policy Studies 2005: Waseda University, Japan (in Japanese).
78. Matsumoto, K. (2005) Environmental and Economic Analyses Concerning the Carbon Tax Based on the Imputed Price: Taxation on the Upper Industries. Annual Conference of Society of Environmental Science 2005: Nagoya University, Japan (in Japanese).
79. Matsumoto, K. and Fukuda, T. (2005) Comparative Analysis of Greenhouse Gases Emissions Trading Markets. 6th Policy Messe: Kwansei Gakuin University, Japan (in Japanese).
80. Matsumoto, K., Ishino, F., and Sasaki, H. (2004) Some Considerations on Electric Power Risk. 33rd International Conference on Computers and Industrial Engineering: Jeju, Korea [refereed].
81. Sasaki, H., Matsumoto, K., Noguti, K., Hayashi, I., and Kawasaki, K. (2004) The Value Decreasing Patterns of PCs, Used Cars, and Drinks. 33rd International Conference on Computers and Industrial Engineering: Jeju, Korea [refereed].
82. Ishino, F., Sasaki, H., and Matsumoto, K. (2004) SCM Considering Product Value Diminish by Time. 33rd International Conference on Computers and Industrial Engineering: Jeju, Korea [refereed].

Other Conference Presentations (*Italic: invited*)

1. Matsumoto, K. (2019) Climate Change Mitigation Analysis Using an Economic Model. RIEEM Interdisciplinary Workshop: Tokyo, Japan.
2. Matsumoto, K. (2019) *Addressing the Key Drivers of Regional Energy Consumption of the Manufacturing Industry in Japan. NU WISE Programme Kick-off Symposium: Nagasaki, Japan.*
3. Matsumoto, K. (2019) *Global Warming Impact on Future Socioeconomic Activities through Labor Productivity. NU WISE Programme Kick-off Symposium: Nagasaki, Japan.*
4. Matsumoto, K. (2018) *Carbon Market Developments in Northeast Asia – 2018 and Beyond. The Future of Carbon Markets in Northeast Asia and Pathways for Cooperation: Washington D.C., U.S.*
5. Matsumoto, K., et al. (2017) *Sustainable Power-Generation Mix in 2050 under Coal and Nuclear Regulation. Symposium: Institutional Reform and Great Transformation of Energy, Resource, and Land Use for the Sustainable Future in East Asia: Nagoya University, Japan, Invited.*
6. Matsumoto, K. et al. (2017) *Panel Discussion: Article 6 of Paris Agreement and its Implications for Northeast Asian Carbon Market Cooperation. International Conference on Article 6 of Paris Agreement and Northeast Asian Carbon Market. Korea University: Korea, Invited.*

7. Matsumoto, K. (2017) *Japanese Carbon Pricing Trends and Regional Connectivity*. *International Conference on Article 6 of Paris Agreement and Northeast Asian Carbon Market*. Korea University: Korea, Invited.
8. Morita, K. and Matsumoto, K. (2017) *Finance for REDD+ to Enhance Mitigation and Adaptation and Biodiversity Co-benefits: Lessons from the Global Environment Facility*. 2017 AIM International Workshop (poster). National Institute for Environmental Studies, Japan.
9. Matsumoto, K. (2016) *What are the steepest impediments to linking regional carbon markets? Building Carbon Market Cooperation in Northeast Asia* Dorint Hotel: Germany, Invited (as an discussion leader).
10. Tachiiri, K., Matsumoto, K. and Silva, D.H. (2016) *Investigating climate stabilization scenarios using ESM, EMIC, and IAMs: an introduction of our activity in Program for Risk Information on Climate Change*. CESM Joint Societal Dimensions and Land Model Working Group Meeting: Boulder, US.
11. Matsumoto, K. (2015) *Energy Security under Climate Mitigation*. *Symposium: Toward Sustainable Low-carbon Economy in East Asia*: Nagoya University, Japan, Invited.
12. Matsumoto, K. (2015) *Cumulative Carbon Emissions, and economy and energy*. *Research Institute for the Environment and Trade (RIET) Workshop*: Waseda University, Japan, Invited.
13. Matsumoto, K. (2015) *Climate Mitigation Scenarios and Energy Security*. *Research Seminar on Environment & Trade*: Kyoto Sangyo University, Japan, Invited.
14. Matsumoto, K. (2014) *Evaluating Multiple Emission Pathways for Fixed Cumulative CO₂ Emissions from Socioeconomic Perspectives*. *International Workshop on Risk Information on Climate Change*: Japan Agency for Marine-earth Science and Technology, Japan, Invited.
15. Matsumoto, K. (2014) *Energy Structure and Energy Security under Climate Mitigation Scenario: Focusing on East Asia*. *Symposium on Choice of Energy and Environmental Policy in East Asia*: Nagoya University, Japan, Invited.
16. Matsumoto, K. (2014) *Integration of ESM and IAM Studies*. *International Workshop on Climate System Modeling*: Climate 2014: Honolulu, US.
17. Matsumoto, K. (2014) *Analysis of Energy Scenarios and Policy*. *1st Research Meeting on Energy Policy*: Keio University, Japan, Invited.
18. Matsumoto, K. (2013) *Mongolian Economy in the Global Society*. RIHN IS Workshop: Research Institute for Humanity and Nature, Japan.
19. Matsumoto, K. (2013) *Thinking Environment from a Comprehensive View, plus Computable General Equilibrium Model*. *The 8th Meeting of the Institute of Life Cycle Assessment*, Japan: Ritsumeikan University, Japan, Invited.
20. Voudouris, V. and Matsumoto, K. (2013) *Description of the ACEGES Model*. *Analysis of Future Oil Supply Prospects*: London, UK, Invited.
21. Matsumoto, K. (2012) *Understanding Markets via an Agent-based Modelling Approach*. *Workshop on Modelling Carbon Prices – Interacting agent networks & Strategies under Risk*: Potsdam, Germany (Panel Discussion), Invited.
22. Matsumoto, K. (2012) *Application of an Artificial Market Approach to Carbon Market Analysis*. *Workshop on Modelling Carbon Prices – Interacting agent networks & Strategies under Risk*: Potsdam, Germany, Invited.

23. Matsumoto, K. (2011) *The AIM/CGE [Global] Model for Climate Change Scenarios. STORM Seminar: London Metropolitan University, UK, Invited.*
24. Matsumoto, K. (2011) *Economic Implications of Avoiding Dangerous Climate Change. Rokko Forum: Kobe University, Japan (in Japanese), Invited.*
25. Matsumoto, K. (2011) *RCP6: An Emission Pathway for Stabilization of Radiative Forcing by 2100 and its Socioeconomic Impacts. 3rd International Workshop on Global Change Projection: Modeling, Intercomparison, and Impact Assessment jointly with 4th International Workshop on KAKUSHIN Program: Epochal Tsukuba, Japan, Invited.*
26. Masui, T., Okagawa, A., Matsumoto, K., Fujimori, S., and Dai, H. (2011) AIM/CGE for Global and Country Analysis. 16th AIM International Workshop: National Institute for Environmental Studies, Japan.
27. Matsumoto, K. (2010) Regional and Spatial Analysis on 3E under a Constraint on Radiative Forcing: Integrated Assessment Using Economic, Land-use, and Ecosystem Models. 15th AIM International Workshop: National Institute for Environmental Studies, Japan.
28. Matsumoto, K. (2009) Energy Mix Change and Energy Security Improvement through Climate Change Mitigation: Analysis of the RCP Cases. Joint TERI-ETSAP Workshop: New Delhi, India.
29. Matsumoto, K. (2009) *The Pathway to Achieve 6W/m² Stabilization of Radiative Forcing in 2100. Center for the Environment and Trade Research 2nd Workshop (Computable General Equilibrium Analysis of Climate and Trade Policy): Sophia University, Japan, Invited.*
30. Masui, T., Matsumoto, K., Hijioka, Y., Kinoshita, T., and Ishiwatari, S. (2009) Emission Pathway for 6W/m². IAMC Meeting: Tsukuba, Japan.
31. Matsumoto, K. (2009) The AIM/CGE [Global] Model -The Dynamic Structure-. AIM Training Workshop 2009: National Institute for Environmental Studies, Japan.
32. Matsumoto, K. (2009) The AIM/CGE [Global] Model -The Basic Structure and Dataset-. AIM Training Workshop 2009: National Institute for Environmental Studies, Japan.
33. Matsumoto, K. (2009) *Scenarios toward the Next IPCC Assessment Report. IR3S-Tyndall Centre Joint Symposium: Norwich, UK, Invited.*
34. Matsumoto, K. (2009) International Transition Scenario -Results of AIM-. Energy Modeling Forum Study 22: Transition Policy Subgroup Meeting: Maryland, USA.
35. Matsumoto, K. (2009) GHG Mitigation Potentials and Costs in World Regions in 2020 -Contribution of AIM to GHG Mitigation Target in 2020 in Japan-. International Costs Assessment Workshop: Maryland, USA.
36. Matsumoto, K. (2009) Outline of Global Modeling and AIM Results of Representative Concentration Pathway. 14th AIM International Workshop: National Institute for Environmental Studies, Japan.
37. Matsumoto, K. (2008) Explanation of GAMS Code of Dynamic Global CGE Model. AIM Training Workshop 2008: National Institute for Environmental Studies, Japan.
38. Matsumoto, K. (2008) Basic Structure of Global CGE Model and Dataset. AIM Training Workshop 2008: National Institute for Environmental Studies, Japan.
39. Matsumoto, K. (2008) *Application of Multi-agent Models for Emissions Trading Analysis. Expert Workshop: Towards the Next Generation of Climate Policy Models: Berlin, Germany, Invited.*
40. Matsumoto, K. (2007) *Our Roles toward "Sustainable Development". North American Week 2007: Kobe*

University (Panel Discussion, in Japanese), Invited.

41. Matsumoto, K. (2007) Analysis on Emissions Trading Systems Applying a Multi-agent Model. 21st Workshop on Sustainability: Kwansei Gakuin University, Japan (in Japanese).
42. Matsumoto, K. (2004) A Study on GHG Emissions Trading Market. 13th Workshop on Sustainability: Kwansei Gakuin University, Japan (in Japanese).

Reports

1. Matsumoto, K. (2020) Developing a CGE-EMIC Integrating Model Framework. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2019 Report of the Integrated Research Program for Advancing Climate Models, 176-180.
2. Matsumoto, K. (2019) Interaction between Earth and Socioeconomic Systems: Evaluation of Socioeconomic Impacts. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2018 Report of the Integrated Research Program for Advancing Climate Models, 176-180.
3. Matsumoto, K. (2018) Information gathering and management for coupling an Earth System mode and a socioeconomic model. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2017 Report of the Integrated Research Program for Advancing Climate Models, 142-145.
4. Matsumoto, K. (2017) Development of Socioeconomic Scenarios toward a Climate Stabilization Target Using an economic model. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2016 Report of the Program for Risk Information on Climate Change, 110-115 (in Japanese).
5. Matsumoto, K. (2016) Development of Socioeconomic Scenarios toward a Climate Stabilization Target Using an economic model. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2015 Report of the Program for Risk Information on Climate Change, 95-100 (in Japanese).
6. Matsumoto, K. (2015) Development of Socioeconomic Scenarios toward a Climate Stabilization Target Using an economic model. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2014 Report of the Program for Risk Information on Climate Change, 84-88 (in Japanese).
7. Matsumoto, K. (2014) Development of Socioeconomic Scenarios toward a Climate Stabilization Target Using an economic model. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2013 Report of the Program for Risk Information on Climate Change, 52-56 (in Japanese).
8. Department of Environmental Policy and Planning, School of Environmental Science, The University of Shiga Prefecture (2014) Report on Conservation of the Reed Community, Omihachiman-city (in Japanese).
9. Matsumoto, K. (2013) Development of Socioeconomic Scenarios toward a Climate Stabilization Target Using a CGE model. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2012 Report of the Program for Risk Information on Climate Change, 47-50 (in Japanese).
10. Department of Environmental Policy and Planning, School of Environmental Science, The University of Shiga Prefecture (2012) Midterm Review of the Basic Environmental Plan, Yasu-city (in Japanese).
11. Warren, R., Arnell, N., Berry, P., Brown, S., Dicks, L., Gosling, S., Hankin, R., Hope, C., Lowe, J., Matsumoto, K., Masui, T., Nicholls, R. O'Hanley, J., Osborn, T., and Scricru, S. (2010) The Economics and Climate Change Impacts of Various Greenhouse Gas Emission Pathways and a Comparison between Base Line and Policy Emissions Scenarios. AVOID Reports WS1D3R01.

Newspaper articles

1. Asahi Simbun p.19 (December 21, 2004) To the world: Lessons from Hanshi-Awaji Great Earthquake (in Japanese).
2. Kobe Simbun p.10 (December 26, 2004) Translating a report on Hanshi-Awaji Great Earthquake to English (in Japanese).
3. Yomiuri Shimbun p.31 (November 14, 2007) Discussion on environmental issues by Students from Japan, U.S., and Canada at Kobe University (seven panelists).

Editorial and others

1. Matsumoto, K. (2018) Adopting Renewable Energy and Nuclear Power in Japan. Science Trends. <https://sciencetrends.com/adopting-renewable-energy-and-nuclear-power-in-japan/> (July 9, 2018).
2. Matsumoto, K. (2015) Meaning of collaborating with Foreign Researchers. Annual Report of The School of Environmental Science, The University of Shiga Prefecture 19, 17-19 (in Japanese).
3. Matsumoto, K. (2015) What I experienced in Windsor, Canada. USP-DEPP Column. <http://depp-usp.com/archives/2152> (August 12, 2015) (in Japanese).
4. Matsumoto, K. (2015) Energy toward 2030 in Japan. RCEM: Views on Energy News. <http://www.rcem.eu/posts/2015/may/21/energy-toward-2030-in-japan.aspx> (May 21, 2015).
5. Matsumoto, K. (2015) Climate Change Mitigation and Energy Security in East Asia. RCEM: Views on Energy News. <http://www.rcem.eu/posts/2015/february/23/climate-change-mitigation-and-energy-security-in-east-asia.aspx> (February 23, 2015).
6. Matsumoto, K. (2014) A Recent Issue on Feed-in Tariff by Kyushu Electric Power Company. RCEM: Views on Energy News. <http://www.rcem.eu/posts/2014/october/15/a-recent-issue-on-feed-in-tariff-by-kyushu-electric-power-company.aspx> (October 15, 2014).
7. Matsumoto, K. (2014) The fate of International Climate Change Policy. USP-DEPP Column. <http://depp-usp.com/archives/1455> (December 16, 2014) (in Japanese).
8. Matsumoto, K. (2013) International Education and Research of the School of Environmental Science toward Sustainable Development, The University of Shiga Prefecture. Annual Report of The School of Environmental Science, The University of Shiga Prefecture 17, 23-25 (in Japanese).
9. Matsumoto, K. (2012) Taking a Comprehensive View of Environmental Studies. Annual Report of The School of Environmental Science, The University of Shiga Prefecture 16, 57-58 (in Japanese).

Press release

1. Specifying Factors of CO₂ Emission Changes from Household Sectors by Prefecture (August 2, 2018). <http://www.nagasaki-u.ac.jp/ja/about/info/science/science159.html>
2. How can the Uncertainty in Earth System Affect Socioeconomic Conditions? Press release from Japan Agency for Marine-Earth Science and Technology (April 8, 2015; in Japanese). http://www.jamstec.go.jp/j/about/press_release/20150408/.

Thesis

1. Doctoral Thesis: A Study on the International Climate Change Policy for the Post Kyoto Protocol -An

Analysis of the Carbon Tax Based on the Imputed Price of Carbon Considering Participation of Developing Countries and Economies in Transition in the Policy- (in Japanese, Kwansei Gakuin University; March, 2007).

2. Master Thesis: The Best Mix of Power Sources for the Minimum CO₂ in 2010 Japan, and the Electric Power Risk Management for the Mix (Waseda University; March, 2004).