Christopher A. Wada

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Contact Information

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Education

2010 Ph.D. Economics, University of Hawai‘i at Mānoa

2007 M.A. Economics, University of Hawai‘i at Mānoa

2005 B.A. Economics, University of California, Berkeley

Professional Positions

2013–present Resource and Environmental Research Economist
University of Hawai‘i Economic Research Organization
University of Hawai‘i at Mānoa

2010–13 Postdoctoral Researcher
University of Hawai‘i Economic Research Organization
University of Hawai‘i at Mānoa

Affiliations

2018–21 Affiliate Faculty
Water Resources Research Center
University of Hawai‘i at Mānoa

Journal Articles

38. Engels, J., Bruno, B.C., Suzuki, E., Suzuki, K., Dulai, H., Manning, M., Viviani, D., Keliipuleole, K., Dela Cruz, B., Ho, K., Kila, K., Malterre, T., Thepsenavong, A., Bremer, L., **Wada, C.**, Watson, S., Elshall, A., Arik, A., Burnett, K., 2023. Co-production of knowledge at Sumida Farm trains a new generation of community-engaged scientists. *Oceanography* (forthcoming).

37. Okuhata, B.K., Delevaux, J.M.S., Richards Donà, A., Smith, C.M., Gibson, V.L., Dulai, H., El-Kadi, A.I., Stamoulis, K., Burnett, K.M., **Wada, C.A.**, Bremer, L.L., 2023. Effects of Multiple Drivers of Environmental Change on Native and Invasive Macroalgae in Nearshore Groundwater Dependent Ecosystems. *Water Resources Research* 59(7): e2023WR034593. https://doi.org/10.1029/2023WR034593.

36. **Wada, C.A.**, Pongkijvorasin, S., Roumasset, J.A., Burnett, K.M., 2023. Solving Optimal Groundwater Problems with Excel. *Applied Economics Teaching Resources* 5(3). http://doi.org/10.22004/ag.econ.338386.

35. DeMaagd, N., Fuleky, P., Burnett, K., **Wada, C.**, 2022. Tourism water use during the COVID-19 shutdown: A natural experiment in Hawai'i. *Annals of Tourism Research* 97: 103475. https://doi.org/10.1016/j.annals.2022.103475.

34. Okuhata, B.K., El-Kadi, A.I., Dulai, H., Lee, J., **Wada, C.A.**, Bremer, L.L., Burnett, K.M., Delevaux, J.M.S., Shuler, C.K., 2022. A density-dependent multi-species model to assess groundwater flow and nutrient transport in the coastal Keauhou aquifer, Hawai'i, USA. *Hydrogeology Journal* 30: 231-250. https://doi.org/10.1007/s10040-021-02407-y.

33. **Wada, C.A.**, Burnett, K.M., Okuhata, B.K., Delevaux, J.M.S., Dulai, H., El-Kadi, A.I., Gibson, V., Smith, C., Bremer, L.L., 2021. Identifying wastewater management tradeoffs: costs, nearshore water quality, and implications for marine coastal ecosystems in Kona, Hawai'i. *PLOS ONE* 16(9): e0257125. https://doi.org/10.1371/journal.pone.0257125.

32. Bremer, L.L., Elshall, A.S., **Wada, C.A.**, Brewington, L., Delevaux, J.M.S., El-Kadi, A.I., Voss, C.I., Burnett, K.M., 2021. Effects of land cover and watershed protection futures on sustainable groundwater management in a heavily-utilized aquifer in Hawai'i. *Hydrogeology Journal* 29: 1749-1765. https://doi.org/10.1007/s10040-021-02310-6.

31. Bremer, L.L., DeMaagd, N., **Wada, C.A.**, Burnett, K.M., 2021. Priority watershed management areas for groundwater recharge and drinking water protection: a case study from Hawai'i Island. *Journal of Environmental Management* 286: 111622. https://doi.org/10.1016/j.jenvman.2020.111622.

30. Engels, J., Watson, S., Dulai, H., Burnett, K.M., **Wada, C.A.**, Aga, A., DeMaagd, N., McHugh, J., Sumida, B., Bremer, L.L., 2020. Collaborative research to support urban agriculture in the face of change: The case of the Sumida watercress farm on O'ahu. *PLOS ONE* 15(7): e0235661. https://doi.org/10.1371/journal.pone.0235661.

29. Burnett, K.M., Elshall, A.S., **Wada, C.A.**, Arik, A., El-Kadi, A., Voss, C.I., Delevaux, J.M.S., Bremer, L.L., 2020. Incorporating Historical Spring Discharge Protection Into Sustainable Groundwater Management: A Case Study From Pearl Harbor Aquifer, Hawai'i. *Frontiers in Water* 2: 14. https://doi.org/10.3389/frwa.2020.00014.

28. Elshall, A.S., Arik, A.D., El-Kadi, A.I., Pierce, S., Ye, M., Burnett, K.M., **Wada, C.A.**, Bremer, L.L., Chun, G., 2020. Groundwater sustainability: A review of the interactions between science and policy. *Environmental Research Letters* 15: 093004. https://doi.org/10.1088/1748-9326/ab8e8c.

27. Pongkijvorasin, S., **Wada, C.A.**, Burnett, K.M., 2020. Optimal multi-instrument management of interrelated resources and a groundwater dependent ecosystem. *Journal of Environmental Management* 269: 110723. https://doi.org/10.1016/j.jenvman.2020.110723.

26. Endress, L.H., Roumasset, J.A., **Wada, C.A.**, 2020. Do Natural Disasters Make Sustainable Growth Impossible? *Economics of Disasters and Climate Change* 4: 319-345. https://doi.org/10.1007/s41885-019-00054-y.

25. **Wada, C.A.**, Pongkijvorasin, S., Burnett, K.M., 2020. Mountain-to-sea ecological-resource management: forested watersheds, coastal aquifers, and groundwater dependent ecosystems. *Resource and Energy Economics* 59: 101146. https://doi.org/10.1016/j.reseneeco.2019.101146.

24. Bremer, L.L., **Wada, C.A.**, Medoff, S., Page, J., Falinski, K., Burnett, K.M., 2019. Contributions of native forest protection to local water supplies in East Maui. *Science of the Total Environment* 688: 1422-1432. https://doi.org/10.1016/j.scitotenv.2019.06.220.

23. Taniguchi, M., Burnett, K.M., Shimada, J., Hosono, T., **Wada, C.A.**, Ide, K., 2019. Recovery of Lost Nexus Synergy via Payment for Environmental Services in Kumamoto, Japan. *Frontiers in Environmental Science* 7: 28. https://doi.org/10.3389/fenvs.2019.00028.

22. Burnett, K.M., Ticktin, T., Bremer, L.L., Quazi, S.A., Geslani, C., **Wada, C.A.**, Kurashima, N., Mandle, L., Pascua, P., Depraetere, T., Wolkis, D., Edmonds, M., Giambelluca, T., Falinski, K., Winter, K.B., 2019. Restoring to the future: Environmental, cultural, and management trade-offs in historical versus hybrid restoration of a highly modified ecosystem. *Conservation Letters* 12(1): e12606. https://doi.org/10.1111/conl.12606.

21. Bremer, L.L., Falinski, K., Ching, C., **Wada, C.A.**, Burnett, K.M., Kukea-Shultz, K., Reppun, N., Chun, G., Oleson, K.L.L., Ticktin, T., 2018. Biocultural Restoration of Traditional Agriculture: Cultural, Environmental, and Economic Outcomes of Loʻi Kalo Restoration in Heʻeia, Oʻahu. *Sustainability* 10(12): 4502. https://doi.org/10.3390/su10124502.

20. Burnett, K.M., **Wada, C.A.**, Taniguchi, M., Sugimoto R., Tahara, D., 2018. Evaluating the Tradeoffs between Groundwater Pumping for Snow-Melting and Nearshore Fishery Productivity in Obama City, Japan. *Water* 10(11): 1556. https://doi.org/10.3390/w10111556.

19. Leary, J., Mahnken, B., **Wada, C.**, Burnett, K., 2018. Interpreting Life-History Traits of Miconia (*Miconia calvescens*) through Management over Space and Time in the East Maui Watershed, Hawaii (USA). *Invasive Plant Science and Management* 11(4): 191-200. https://doi.org/10.1017/inp.2018.26.

18. Bremer, L.L., Mandle, L., Trauernicht, C., Pascua, P., McMillen, H.L., Burnett, K., **Wada, C.A.**, Kurashima, N., Quazi, S.A., Giambelluca, T., Chock, P., Ticktin, T., 2018. Bringing multiple values to the table: assessing future land-use and climate change in North Kona, Hawaiʻi. *Ecology and Society* 23(1): 33. https://doi.org/10.5751/ES-09936-230133.

17. Pongkijvorasin, S., Burnett, K., **Wada, C.**, 2018. Joint Management of an Interconnected Coastal Aquifer and Invasive Tree. *Ecological Economics* 146: 125-135. https://doi.org/10.1016/j.ecolecon.2017.10.011.

16. **Wada, C.A.**, Bremer, L.L., Burnett, K., Trauernicht, C., Giambelluca, T., Mandle, L., Parsons, E., Weil, C., Kurashima, N., Ticktin, T., 2017. Estimating Cost-Effectiveness of Hawaiian Dry Forest Restoration Using Spatial Changes in Water Yield and Landscape Flammability Under Climate Change. *Pacific Science* 71(4): 401-424. https://doi.org/10.2984/71.4.2.

15. Burnett, K., **Wada, C.**, Balderston, A., 2017. Benefit-cost analysis of watershed conservation on Hawaiʻi Island. *Ecological Economics* 131: 262-274. https://doi.org/10.1016/j.ecolecon.2016.09.013.

14. Burnett, K., **Wada, C.**, Endo, A., Taniguchi, M., 2017. The economic value of groundwater in Obama. *Journal of Hydrology: Regional Studies* 11: 44-52. https://doi.org/10.1016/j.ejrh.2015.10.002.

13. **Wada, C.A.**, Burnett, K., Gurdak, J.J., 2016. Sustainable Agriculture Irrigation Management: The Water-Energy-Food Nexus in Pajaro Valley, California. *Sustainable Agriculture Research* 5(3): 76-83. https://doi.org/10.5539/sar.v5n3p76.

12. Endo, A., Burnett, K., Orencio, P.M., Kumazawa, T., **Wada, C.A.**, Ishii, A., Tsurita, I., Taniguchi, M., 2015. Methods of the Water-Energy-Food Nexus. *Water* 7(10): 5806-5830. https://doi.org/10.3390/w7105806.

11. Roumasset, J., **Wada, C.A.**, 2015. Payments for Watershed Services as Adaptation to Climate Change: Upstream Conservation and Downstream Aquifer Management. *Water Economics and Policy* 1(1): 1450003. https://doi.org/10.1142/S2382624X14500039.

10. Roumasset, J., **Wada, C.A.**, 2014. Energy, Backstop Endogeneity, and the Optimal Use of Groundwater. *American Journal of Agricultural Economics* 96(5): 1363-1371. https://doi.org/10.1093/ajae/aau025.

9. Burnett, K., **Wada, C.A.**, 2014. Optimal groundwater management when recharge is declining: a method for valuing the recharge benefits of watershed conservation. *Environmental Economics and Policy Studies* 16: 263-278. https://doi.org/10.1007/s10018-014-0077-y.

8. Endress, L.H., Pongkijvorasin, S., Roumasset, J., **Wada, C.A.**, 2014. Intergenerational equity with individual impatience in a model of optimal and sustainable growth. *Resource and Energy Economics* 36(2): 620-635. https://doi.org/10.1016/j.reseneeco.2013.10.001.

7. Burnett, K., Endress, L., Ravago, M.-L., Roumasset, J., **Wada, C.A.**, 2014. Islands of sustainability in time and space. *International Journal of Sustainable Society* 6(1-2): 9-27. https://doi.org/10.1504/IJSSOC.2014.057887.

6. Roumasset, J., **Wada, C.A.**, 2013. A dynamic approach to PES pricing and finance of interlinked ecosystem services: Watershed conservation and groundwater management. *Ecological Economics* 87: 24-33. https://doi.org/10.1016/j.ecolecon.2012.11.023.

5. Burnett, K., Roumasset, J., **Wada, C.A.**, 2012. Multi-instrument Pollution Abatement from Multiple Sources: The Case of Nitrogen Pollution in Groundwater. *Journal of Sustainable Watershed Science & Management* 1(3): 76-83. https://doi.org/10.5147/jswsm.v1i3.138.

4. Burnett, K., D'Evelyn, S., Loope, L., **Wada, C.A.**, 2012. An economic approach to assessing import policies designed to prevent the arrival of invasive species: the case of *Puccinia psidii* in Hawai'i. *Environmental Science & Policy* 19-20: 158-168. https://doi.org/10.1016/j.envsci.2012.03.006.

3. Roumasset, J.A., **Wada, C.A.**, 2012. Ordering the extraction of renewable resources: The case of multiple aquifers. *Resource and Energy Economics* 34(1): 112-128. https://doi.org/10.1016/j.reseneeco.2011.10.003.

2. Roumasset, J.A., **Wada, C.A.**, 2011. Ordering Renewable Resources: Groundwater, Recycling, and Desalination. *The B.E. Journal of Economic Analysis & Policy* 11(1): Contributions, Article 28. https://doi.org/10.2202/1935-1682.2810.

1. Roumasset, J.A., **Wada, C.A.**, 2010. Optimal and Sustainable Groundwater Extraction. *Sustainability* 2(8): 2676-2685. https://doi.org/10.3390/su2082676.

Book Chapters

13. Burnett, K.M., Pongkijvorasin, S., **Wada, C.A.**, 2022. Multidisciplinary and Intersectoral Collaborations in the Water-Energy-Food Nexus: Examples from Japan and Thailand. In: Lee, E., Böer, B., Surendra, L., Chun, J.A., Taniguchi, M. (Eds.), *The Water, Energy, and Food Security Nexus in East and Southeast Asia*, Springer Press.

12. Lewis, D., **Wada, C.A.**, Burnett, K.M., Leary, J., Mahnken, B., 2021. Evaluating Protection Strategies for an Invasive Plant Species: *Miconia calvescens*. In: Pullaiah, T., Ielmini, M.R. (Eds.), *Invasive Alien Species: Observations and Issues from Around the World*, vol. 4, pp. 285-302, New Jersey: Wiley-Blackwell. https://doi.org/10.1002/9781119607045.ch47.

11. Burnett, K., **Wada, C.A.**, 2018. Accounting for Externalities in the Water Energy Food Nexus. In: Endo, A., Oh, T. (Eds.), *The Water-Energy-Food Nexus: Human-Environmental Security in the Asia-Pacific Ring of Fire*, pp. 261-272, Singapore: Springer. https://doi.org/10.1007/978-981-10-7383-0_18.

10. Endo, A., Kumazawa, T., Burnett, K., Ishii, A., Tsurita, I., **Wada, C.A.**, Kato, T., Yamada, M., Orencio, P., 2018. An Interdisciplinary Approach for Water-Energy-Food Nexus. In: Endo, A., Oh, T. (Eds.), *The Water-Energy-Food Nexus: Human-Environmental Security in the Asia-Pacific Ring of Fire*, pp. 289-299, Singapore: Springer. https://doi.org/10.1007/978-981-10-7383-0_20.

9. Burnett, K., Pongkijvorasin, S., Roumasset, J., **Wada, C.A.**, 2015. Incentivizing interdependent resource management: watersheds, groundwater, and coastal ecology. In: Dinar, A., Schwabe, K. (Eds.), *Handbook of Water Economics*, pp. 150-161, Cheltenham and Northampton: Edward Elgar Publishing. https://doi.org/10.4337/9781782549666.

8. Burnett, K., Roumasset, J.A., **Wada, C.A.**, 2015. The good, bad, and ugly of watershed management. In: Burnett, K., Howitt, R., Roumasset, J.A., Wada, C.A. (Eds.), *Routledge Handbook of Water Economics and Institutions*, pp. 100-110, Oxford and New York: Routledge. https://doi.org/10.4324/9781315851624.

7. Jandoc, K., Howitt, R., Roumasset, J.A., **Wada, C.A.**, 2015. Institutions for managing ground and surface water and the theory of the second-best. In: Burnett, K., Howitt, R., Roumasset, J.A., Wada, C.A. (Eds.), *Routledge Handbook of Water Economics and Institutions*, pp. 165-180, Oxford and New York: Routledge. https://doi.org/10.4324/9781315851624.

6. Roumasset, J.A., **Wada, C.A.**, 2015. Integrating demand-management with development of supply-side substitutes. In: Burnett, K., Howitt, R., Roumasset, J.A., Wada, C.A. (Eds.), *Routledge Handbook of Water Economics and Institutions*, pp. 50-60, Oxford and New York: Routledge. https://doi.org/10.4324/9781315851624.

5. Roumasset, J.A., **Wada, C.A.**, 2015. Ordering extraction from multiple aquifers. In: Burnett, K., Howitt, R., Roumasset, J.A., Wada, C.A. (Eds.), *Routledge Handbook of Water Economics and Institutions*, pp. 40-49, Oxford and New York: Routledge. https://doi.org/10.4324/9781315851624.

4. Burnett, K.M., Roumasset, J.A., **Wada, C.A.**, 2015. Optimal Joint Management of Interdependent Resources: Groundwater versus Kiawe (*Prosopis pallida*). In: Balisacan, A.M., Chakravorty, U., Ravago, M.-L.V. (Eds.), *Sustainable Economic Development: Resources, Environment and Institutions*, pp. 91-104, Oxford: Academic Press. https://doi.org/10.1016/B978-0-12-800347-3.00006-6.

3. Roumasset, J.A., **Wada, C.A.**, 2015. Integrated Groundwater Resource Management. In: Balisacan, A.M., Chakravorty, U., Ravago, M.-L.V. (Eds.), *Sustainable Economic Development: Resources, Environment and Institutions*, pp. 77-89, Oxford: Academic Press. https://doi.org/10.1016/B978-0-12-800347-3.00005-4.

2. Roumasset, J., **Wada, C.A.**, 2014. Groundwater economics. In: Whitehead, J., Haab, T. (Eds.), *Environmental and Natural Resource Economics: An Encyclopedia*, pp. 166-169, Santa Barbara: Greenwood.

1. Roumasset, J.A., **Wada, C.A.**, 2013. Economics of Groundwater. In: Shogren, J.F. (Ed.), *Encyclopedia of Energy, Natural Resource, and Environmental Economics*, vol. 2, pp. 10-21, Amsterdam: Elsevier. https://doi.org/10.1016/B978-0-12-375067-9.00157-1.

Edited Books

1. Burnett, K., Howitt, R., Roumasset, J.A., **Wada, C.A.** (Eds.), 2015. *Routledge Handbook of Water Economics and Institutions*, Oxford and New York: Routledge. https://doi.org/10.4324/9781315851624.

Other Publications

19. Juarez, R., Bonham, C., Bond-Smith, D., Moore, C., **Wada, C.**, Le, B., Siegal, N., Rhinebolt, V., 2023. Shaping Health in Hawaii: The Influences of Poverty, Housing and Food Insecurity. University of Hawai‘i Economic Research Organization Public Health Report.

18. Juarez, R., Halliday, T., Bonham, C., Bond-Smith, D., Moore, C., **Wada, C.**, Le, B., Siegal, N., Kang, Z., Rhinebolt, V., 2023. Vaccination Booster Uptake Lags as COVID Impact Reach Widens. University of Hawaiʻi Economic Research Organization Public Health Report.

17. Bond-Smith, S., Bonham, C., Burnett, K., **Wada, C.**, Rhinebolt, V., 2022. Economic Impact of Astronomy in Hawaiʻi: 2019 Update. University of Hawaiʻi Economic Research Organization Report.

16. Burnett, K., **Wada, C.**, 2021. The Economic Impact of the University of Hawaiʻi System 2021 Update. University of Hawaiʻi Economic Research Organization Report.

15. Bremer, L.L., DeMaagd, N., **Wada, C.**, Burnett, K., 2019. Identifying priority watershed management areas for groundwater recharge protection on Hawaiʻi Island. University of Hawaiʻi Economic Research Organization Report. Prepared for the Hawaiʻi County Department of Water Supply.

14. Burnett, K., **Wada, C.**, 2019. Characterizing Hawaiʻi's Natural Resources Management Sector: Jobs, Education, Salaries, and Expenditures. University of Hawaiʻi Economic Research Organization Report. Prepared for Hauʻoli Mau Loa Foundation.

13. **Wada, C.**, Bremer, L., DeMaagd, N., Medoff, S., Cloudwatcher, S., Burnett, K., 2019. Identifying areas of cost-effective watershed management for groundwater recharge protection on Hawaiʻi Island. University of Hawaiʻi Economic Research Organization Report. Prepared for The Hawaiʻi Community Foundation.

12. Bremer, L., **Wada, C.**, Burnett, K., Medoff, S., Page, J., Lee, S., Falinski, K., Allen, S., 2018. Economic Valuation of The Nature Conservancy's Watershed Conservation Activities in Waikamoi Preserve, Maui. University of Hawaiʻi Economic Research Organization Report. Prepared for The Nature Conservancy.

11. Chun, G., Adler, P., Arik, A., Burnett, K., Redding, N., **Wada, C.**, 2017. Organizational Study of Water Management Networks and Processes in Hawaiʻi. University of Hawaiʻi Economic Research Organization Report. Prepared for Ulupono Initiative.

10. Burnett, K., **Wada, C.**, Endo, A., Taniguchi, M., 2016. Cost-Benefit Analysis of Disaster Mitigation Infrastructure: The Case of Seawalls in Otsuchi, Japan. University of Hawaiʻi Economic Research Organization, Working Paper No. 2016-5.

9. Burnett, K., **Wada, C.**, 2016. Assessing the Costs of Priority HISC Species in Hawaii. University of Hawaiʻi Economic Research Organization Report. Prepared for The Hawaii Invasive Species Council.

8. Burnett, K., **Wada, C.**, 2016. Economic Valuation of The Nature Conservancy's Watershed Conservation on Hawaiʻi Island: Kaʻū and Kona Hema. University of Hawaiʻi Economic Research Organization Report. Prepared for The Nature Conservancy.

7. Burnett, K., **Wada, C.**, 2016. Recent Trends in Hawaiʻi's Green Economy: Agriculture, Energy, and Natural Resource Management. University of Hawaiʻi Economic Research Organization Report. Prepared for Hauʻoli Mau Loa Foundation.

6. Burnett, K., Cintina, I., **Wada, C.**, 2015. Economic Impact of the Natural Energy Laboratory Hawaii Authority Tenants on the State of Hawaii. University of Hawaiʻi Economic Research Organization Report. Prepared for NELHA.

5. Burnett, K., Cintina, I., **Wada, C.**, 2014. The Economic Impact of Astronomy in Hawaiʻi. University of Hawaiʻi Economic Research Organization Report. Prepared for Mauna Kea Observatories.

4. Burnett, K., **Wada, C.**, Coffman, M., 2013. Methodologies to Assess the Value of the Coastal Zone Management (CZM) Special Management Area (SMA) Permit Program. University of Hawaiʻi Economic Research Organization Report. Prepared for the Hawaiʻi Office of Planning, Coastal Zone Management Program.

3. Cintina, I., Burnett, K., **Wada, C.**, 2013. The Economic Impact of the University of Hawaiʻi System. University of Hawaiʻi Economic Research Organization Report.

2. Burnett, K., **Wada, C.**, 2012. Foundations for Hawaiʻi's Green Economy: Economic Trends in Hawaiʻi Agriculture, Energy, and Natural Resource Management. University of Hawaiʻi Economic Research Organization Report. Prepared for Hauʻoli Mau Loa Foundation and The Nature Conservancy.

1. Burnett, K., D'Evelyn, S., Loope, L., **Wada, C.**, 2012. Economic Analysis of the Proposed Rule to Prevent Arrival of New Genetic Strains of the Rust Fungus *Puccinia psidii* in Hawaiʻi. Technical Report No. 177. The Hawaiʻi-Pacific Islands Cooperative Ecosystem Studies Unit & Pacific Cooperative Studies Unit, University of Hawaiʻi at Mānoa.

Conference, Workshop, and Seminar Presentations

2021: International Tropical Islands Water Conference (Honolulu, Hawaiʻi; virtual); University of Hawaiʻi at Mānoa Water Resources Research Center and ʻIke Wai Spring Seminar Series (Honolulu, Hawaiʻi; virtual). **2020:** Workshop on Energy and Environmental Research (Honolulu, Hawaiʻi). **2019:** 15th International Western Economic Association International Conference (Tokyo, Japan). **2017:** 3rd Annual Maui Nui Natural Areas Weed Management Forum (Kahului, Hawaiʻi); Human-Environmental Security in the Asia Pacific Ring of Fire Water-Energy-Food Nexus International Meeting (Kyoto, Japan); IHS/STRATA/PERC Policy Research Seminar: The Challenge of Balancing Competing Demands for Water (Lahaina, Hawaiʻi); Nāhelehele Dryland Forest Symposium (Kona, Hawaiʻi). **2016:** A Conference in Celebration of Sumner La Croix and Jim Roumasset's Careers in Economics at UHM: Resources, Institutions, and the State (Honolulu, Hawaiʻi). **2012:** Risk, Resources, Governance and Development: Foundations for Public Policy Conference (Honolulu, Hawaiʻi). **2011**: Water Resource Sustainability Issues on Tropical Islands Conference (Honolulu, Hawaiʻi); Hawaiʻi Conservation Conference (Honolulu, Hawaiʻi). **2010**: 12th Occasional California Workshop on Environmental and Resource Economics (Santa Barbara, California); Sustainability Science for Foods, Forests, and Floods: Integrating Climate Adaptation and Pro-Poor Resource Management Workshop (Honolulu, Hawaiʻi); University of Hawaiʻi at Mānoa Water Resources Research Center Seminar (Honolulu, Hawaiʻi). **2009**: University of Hawaiʻi at Mānoa Department of Economics Applied Economics Workshop (Honolulu, Hawaiʻi). **2008**: University of Hawaiʻi at Mānoa Water Resources Research Center Water Management Workshop. (Honolulu, Hawaiʻi).

Journals Refereed

American Journal of Agricultural Economics, Contemporary Economic Policy, Ecological Economics, Environmental and Resource Economics, Environmental Economics and Policy Studies, Environment and Development Economics, Forest Policy and Economics, Frontiers in Water, Journal of Environmental Economics and Management, Journal of Environmental Management, Resource and Energy Economics, Sustainability, Water, Water Resources and Economics, Water Resources Research