

Wan-Jiun Chen

Date of birth: November 08, 1968 in Taiwan
 Address: No. 67, Sec. 3, Minsheng E. Rd., Zhongshan Dist., Taipei
 City 104380, Taiwan
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 Position Professor
 Family Status Married, 2 children



Current Positions Professor, Institute of Natural Resource Management, National Taipei University, Taiwan
 Executive director of AAERE(Asian Association of Environmental and Resource Economics)
 Director of TAERE (Taiwan Association of Environmental and Resource Economics).

Past Positions Former Director / Supervisor/ Executive Director of TAERE.
 Former Director of AAERE.

EDUCATION

1988/09 ~ 1992/06 B.S. at National Taiwan University (Division of Forestry Management, Department of Forestry)
 1996/08 ~ 1999/12 Graduate study at Colorado State University, USA.
 1998/05 Master (Agricultural and Resource Economics at Colorado State University, USA)
 1999/12 PhD (Agricultural and Resource Economics at Colorado State University, USA.) Dissertation
 Topic: Rice Economy of Taiwan
 2015 Visiting Scholar at the School of Economics, University of British Columbia, Canada.
 2017 Visiting Scholar in Kyoto University, Graduate School of Global Environmental Studies, Japan.
 2019 Visiting Scholar at Faculty of Food and Land System, University of British Columbia, Canada.

ACADAMIC POSITIONS

1992/12 ~ 1996/02 Research Assistant, Taiwan Forestry Research Institute
 1999/10 ~ 2000/07 Assistant Professor, Taipei Chengshih University of Science and Technology
 2000/08 ~ 2004/01 Assistant Professor, Department of Economics, Chinese Culture University
 2004/02 ~ 2013/07 Associate Professor, Department of Economics, Chinese Culture University
 2013/08 ~ Professor, Department of Economics, Chinese Culture University

RESEARCH INTERESTS AND SCIENTIFIC FOCUS

Ecological Economics, Economics of Climate Change, Environmental and Resource Economics, Valuation for Non-market Goods, Economics of Sustainable Agriculture (organic and non-organic), Recreational Economics

COURSES TAUGHT(fundamental and advanced courses)

Over twenty years of my University teaching experience, I taught several courses, including Ecological Economics, Environmental and Resource Economics, Econometrics, Tourism Economics, Mathematical Economics, Statistics, Microeconomics, and Macroeconomics.

SCIENTIFIC OUTPUT (BY THE END OF 2019)

Publications in reviewed journals. Actively presented in conferences. Receiving grants for research projects (as principal investigator or co-principal investigator), supported by Japan-Taiwan Exchange Association and

following institutes in Taiwan: Ministry of Science and Technology, National Science Council, Council of Agriculture, Taiwan Forestry Bureau and Chinese Cultural University.

OTHER DUTIES

1. Program committee in international, regional and domestic conference
 - (1) Program Committee. 2021 Annual Forum and Conference, College of Social Science, Chinese Culture University.
 - (2) WCERE 2018 Programme Committee. WCERE (World Congress of Environmental and Resource Economics).
 - (3) Program Committee, 07/31-08/01 2018 Behavioral Environmental Economics Summer School (instructors: Jack L. Knetsch, Simon Fraser University, Canada; Y. Eko Riyanto, Nanyang Technological University, Singapore), Academia Sinica and Taiwan Association of Environmental and Resource Economics.
 - (4) Program Committee, 2018-2019 Congress and Annual Conferences for Taiwan Association of Environmental and Resource Economics.
 - (5) Program Committee, August 7-10, 2016, The Sixth Congress of the East Asian Association of Environmental and Resource Economics (EAAERE), "Green Economy and Sustainable Development for All", Kyushu Sangyo University, Fukuoka, Japan.
 2. Research Projects Review Committee:
 - (1) Projects launched by National Science Council (formerly, Ministry of Science and Technology)
 - (2) Projects launched by the Ministry of Education, Taiwan: The "University Social Responsibility (USR) Practice Plan".
 3. Scientific Committee and/or Expert Advisory Panel (program based) or projects launched by
 - (1) Environmental Protection Administration, Executive Yuan,
 - (2) Weather Bureau, Bureau of Energy,
 - (3) Taiwan Industrial Development Bureau.
 4. Referee Work for Journals:
 - (1) For Journals published in English: Environmental and Resource Economics (SSCI), Sustainability (SSCI, SCI Expanded), International Journal of Environmental Research and Public Health (ijerph, SSCI), Climate (ESCI), Journal of Social Sciences, Journal of Energy, Water, Applied Economics (SSCI), Journal of Mountain Science (SCI extended), JOItmC, Philosophies, International Journal of Research in Engineering and Science (IJRES, Impact Factor : 3.541), Symmetry (SSCI), African Journal of Agricultural Review (ISI)
 - (2) For Journals published in Chinese: City and Planning, Taiwan Economic Forecast and Policy, Journal of Taiwan Energy, Green Economy, Taiwanese Agricultural Economic Review, Agriculture and Economics, Agricultural and Resource Economics, Journal of Tourism and Leisure Studies, Journal of Outdoor Recreation Study, Taiwanese Agricultural Economic Review.
 5. Executive Editor, Hwa Kang Economic Review (2005-2006).
 6. Committee, Panel of Environmental Protection, Sanitation and Resource Recycling, Chinese Culture University (2008-2009; 2020-2024).
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LIST OF SOME JOURNAL PAPERS (SELECTED)

1. Szu-Yum Lin, Wan-Jiun Chen* (2023) Revisiting Behavior for Luxury Resorts in Northern Taiwan: A Case Study of Three Hot Spring Resorts. *Business and Technology Innovation Journal*, 3(1), 1—17. DOI: 10.29680/BTIJ.202306_3(1).0001
2. Wan-Jiun Chen, Jihn-Fa Jan, Chih-Hsin Chung, and Shyue-Cherng Liaw* (2023) Do Eco-Based Adaptation Measures Enhance Ecosystem Adaptation Services? Economic Evidence from a Study of Hillside Forests in a Fragile Watershed in Northeastern Taiwan. *Sustainability*, 15, 9685. <https://doi.org/10.3390/su15129685>
3. Wan-Jiun Chen, Jihn-Fa Jan, Chih-Hsin Chung, and Shyue-Cherng Liaw* (2022) Resident Willingness to Pay for Ecosystem Services in Hillside Forests. *International Journal of Environmental Research and Public Health*, 19(10), 6193; <https://doi.org/10.3390/ijerph19106193>
4. Chen, Wan-Jiun, Chen, Y.C., Mori, A. 2022 (March) Carbon Pricing Policy, Japan's Tax for Climate Change Mitigation and Taiwan's Energy Tax System. *Quarterly Journal of Bank of Taiwan*: 71(1), 1-26.
5. Chen, Wan-Jiun, 2022 (February) Toward Sustainability: Dynamics of Total Carbon Dioxide Emissions, Aggregate Income, Non-Renewable Energy, and Renewable Power. *Sustainability*: 14, 2712. <https://doi.org/10.3390/su14052712>
6. Chen, Wan-Jiun, 2020. Taiwan and Global Sustainable Development from the Perspective of Ecological Economics. *Quarterly Journal of Bank of Taiwan*: 71(1), 1-26.
7. Chen, W. J., Wang, C.H. (2020). A General Cross-Country Panel Analysis for the Effects of Capitals and Energy, on Economic Growth and Carbon Dioxide Emissions. *Sustainability*, 12(15), 5916.
8. Wang C.H., Ko, M.H. Chen, Wan-Jiun, 2019 (January). Effects of Kyoto Protocol on CO₂ Emissions: A Five-Country Rolling Regression Analysis. *Sustainability*: 11 (744); (SSCI; SCI Expanded; Scopus; IF: 2.177) doi:10.3390/su11030744
9. Chen, Wan-Jiun, 2017. Is the Green Solow Model Valid for CO₂ Emissions in the European Union? *Environmental and Resource Economics*, 67 (1): 23–45. (SSCI)
10. Chen, Wan-Jiun 2015 (Dec.). On carbon taxes in Taiwan - Based on the successful carbon taxes model in British Columbia, Canada. *Quarterly Journal of Bank of Taiwan*: 66(4), 130-157.
11. Chen, Wan-Jiun, 2014 (Dec.). Analysis of producers' cooperatives and supply of organic rice in Taiwan. *African-Asian Journal of Rural Development*, 47(2): 7-38.
12. Chen, Wan-Jiun, Liaw, Shyue-Cherng, 2012 (Aug.). What is the value of ecotourism? An evaluation of forested trails for community residents and visitors. *Tourism Economics* 18(4): 871-885. (SSCI)
13. Chen, Wan-Jiun, Chiu, Sze-Han, 2012 (June). An Analysis of Japan and American Tourism Arrivals to Taiwan, *Journal of Tourism and Travel Research* 7(1) : 27-46.
14. Chen, Wan-Jiun, 2012. The relationships of carbon dioxide emissions and income in a newly industrialized economy. *Applied Economics* 44(13):1621-1630. (SSCI)
15. Liaw, Shyue-Cherng, Chen, Wan-Jiun, Chuang, Yung-Chung, 2011 (Nov.). Comprehensive evaluation and strategic planning for sustainable development in the Yilan coastal area, *Journal of Geographical Research* 55: 1-20.
16. Chen, Wan-Jiun, Liaw, Shyue-Cherng, 2011 (07). Economic evaluation of recreational benefit in Yilan coastal area: A case study in Waiao beach, *Journal of Engineering Environment*, 27: 19-38.
17. Liaw, Shyue-Cherng, Chen, Wan-Jiun, Chuang, Yung-Chung, 2011 (07). A study of public participation in the Yilan coastal management: Case of community forestry program, *Journal of Engineering Environment*, 27: 1-18.

18. Chen, Wan-Jiun, Huang, Yu-Han 2011. An analysis of heterogeneous preferences for organic soybean and soybean products, *Agricultural and Resources Economics* 8(1): 1-37.
19. Chen, Wan-Jiun, Liaw, Shyue-Cherng, 2006. Public opinions and resources economic evaluation for the upper Lanyang Stream watershed management in Yi-lan county. *Quarterly Journal of Chinese Forestry* 39(4): 477-496.
20. Chen, W.J., Sampath, R.K., 2002. The rice supply response in Taiwan and its structural changes-An econometric analysis. *Journal of Rural Development* 35(1): 7-18.
21. Chen, W.J., Sampath R.K., Woodward, M.K., 2000. The declining and convergent trends of rice consumption in Taiwan. *Journal of Rural Development* 33(2): 21-31.
22. Chen, W.J., Sampath, R.K., 1999. An econometric analysis of agricultural growth in Taiwan during 1901-1994. *Journal of Rural Reconstructions* 32(1) : 25-38.

LIST OF SOME PAPERS PRESENTED IN CONFERENCES (SELECTED)

1. Jihn-Fa Jan*, Shyue-Cherng Liaw, Wan-Jiun Chen, Chi-Hsin Chung (forthcoming 2023/11/3-5) Impact assessment and adaptation strategies of climate change and rural community industry development on ecosystem services. The PNC 2023 Annual Conference and Joint Meetings hosted by the PNC and the University of the Ryukyus in Okinawa, Japan.
2. Jihn-Fa Jan*, Shyue-Cherng Liaw, Wan-Jiun Chen, Chi-Hsin Chung (forthcoming 2023/11/3-5) Landscape change detection in Lanyang River Basin. The PNC 2023 Annual Conference and Joint Meetings hosted by the PNC and the University of the Ryukyus in Okinawa, Japan.
3. Chen, W.J. Liaw, S.C.* (2023/06/28) Evaluating economic externalities for improved watershed management in Northeastern Taiwan. The 2023 Southeast Asian Geography Association (SEAGA), *Recontextualising Sustainability – People, Places and the Environment*. Chulalongkorn University, Bangkok, Thailand.
4. Chen, W. J. (2022/12/03) Transitions and adaptations of agro-leisure industry in Lanyang River Basin under climate change. 2022 Conference and Congress of Taiwan Environmental and Resource Economic Association. Taipei (MOST 111-2321-B-004-001).
5. Chen, W.J. (2021/12/11) Economic value assessment for hillside forest ecosystem services, 2021 Conference and Congress of Taiwan Environmental and Resource Economic Association (MOST 111-2321-B-004-001).
6. Chen, W. J., Wang, J. H., (2019/12/14) Do Capital Accumulation and Energy Use Affect Economic Growth and Carbon Emissions - Analysis of Cross-Country Panel Data. 2019 Conference and Congress of Taiwan Environmental and Resource Economic Association.
7. Chen, W. J. (2019/8/13) The roles of capitals and energy played in the economy and climate change. ESA USSEE 2019 joint conference. The joint congress and conference of Ecology Society of American and United State Society of Ecological Economics.
8. Chen, W.J. (2017). The roles of capitals played in the economy and in mitigating climate change, 2017 Conference and Congress of Taiwan Environmental and Resource Economic Association.
9. Chen, W.J. (2016). Carbon emissions and the forces of economic growth - what cause what? The Sixth Congress of the East Asian Association of Environmental and Resource Economics, “Green Economy and Sustainable Development for All”, Kyushu Sangyo University, Fukuoka, Japan.
10. Wang, J. H., Chen, W.J. and Ko M.H. (2015). Does the Kyoto Protocol have carbon reduction effects? A

panel data rolling regression analysis. The 5th congress of the East Asian Association of Environmental and Resource Economics, Taipei, Taiwan.

11. Lee, Ai-ling, Chen, Wan-Jiun 2014. A study on sustainable development of organic rice in Taiwan. The 2014 congress and conference of Taiwan Association of Environmental and Resource Economics, Taipei.
 12. Ko, Ming-Hui, Chien-Ho Wang, Wan-Jiun Chen 2014. An Analysis of Carbon Dioxide Emission Reduction Effects under Kyoto Protocol for Five Countries - A Rolling Regression Approach. The EEPSEA/EAAERE conference on the economics of climate change in Southeast Asia, Siem Reap, Cambodia.
 13. Chen, Wan-Jiun 2014. An Analysis for Supply Response of Organic Rice in Taiwan. The 4th congress of the East Asian Association of Environmental and Resource Economics, Busan, Korea.
 14. Chien-Ho Wang, Chang-Ching Lin, Wan-Jiun Chen, Chia-Hsiang Hsu, 2013. Fact or fiction: The relationship between carbon linkage and carbon dioxide environmental kuznets curve. The 2013 congress and conference of Taiwan Economic Association.
 15. Chen, Wan-Jiun, 2013. On the trends of CO₂ emissions in several EU countries. The 2013 Hwa-Kang Economic Forum and Cross-Strait Economic Conference, Taipei, Taiwan.
 16. Ko, Ming-Hui, Chien-Ho Wang, Wan-Jiun Chen, 2012. The CO₂ Reduction Effects of OECD under Kyoto Protocol - an Application of Rolling Regression). The 2012 congress and conference of Taiwan Economic Association.
 17. Chen, Wan-Jiun, Szu-Yum Lin, 2012. A Visitor's Demand Analysis For Hot Spring Hotels In Yangmingshan, Taipei, Taiwan. East Asian Economic Association Convention in Singapore.
 18. Chen, Wan-Jiun, Sze-Han Chiu, and Ming-Hui Ko, 2012. The impacts of Several International Events on Tourism Arrivals to Taiwan. The 2012 International Conference on Tourism, Hospitality, Leisure & Recreation Management. Chinese culture University, Taipei.
 19. Chen, Wan-Jiun, Yi-Ching Chang and Yu-Han Huang, 2012. Market Segment of Organic Rice in Taiwan. The 2nd congress of the East Asian Association of Environmental and Resource Economics, Bandung, Indonesia.
 20. Chen, Wan-Jiun, Shyue-Cherng Liaw, 2012. The economic value of an upstream forested watershed in Taiwan and public opinions toward its management. The 2nd Congress of the East Asian Association of Environmental and Resource Economics, Bandung, Indonesia.
 21. Chen, Wan-Jiun, Yi-Lun Hsieh, 2010. August 18 and 19. Consumption Analysis for Organic Cotton Products in Taipei, Taiwan. First Congress of East Asian Association of Environmental and Natural Resource Economics, "Environmental Fiscal Mechanism for Sustainable Development". Hokkaido University, Sapporo, Japan.
 22. Chen, Wan-Jiun, Yi-Lun Hsieh, 2010. Consumption Analysis for Organic Cotton Products in a newly developed country, Taiwan. 11th Biennial Conference of the International Society for Ecological Economics: ISEE 2010: Advancing Sustainability in a Time of Crisis. Oldenburg and Bremen, Germany.
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LIST OF GRANTS FOR RESEARCH (2003-2013)

PI (principal investigator), co-PI (co-principal investigator)

- co-PI National Science Council, 2023/05/01-2024/04/30. Impact assessment and adaptation strategies of rural community industry development on ecosystem services (3/4) (MOST 112-2321-B-004-001).
- co-PI National Science Council, 2022/05/01-2023/04/30. Impact assessment and adaptation strategies of rural community industry development on ecosystem services (2/4) (MOST 111-2321-B-004-001).
- co-PI Ministry of Science and Technology, 2021/05/01-2021/04/30. Impact assessment and adaptation strategies of rural community industry development on ecosystem services (1/4) (110-2321-B-004 -001).
- PI Ministry of Science and Technology, 2019/08/08-2019/02/07. An interdisciplinary study on Ecological Economics (MOST 108-2918-I-034-001).
- PI Japan-Taiwan Exchange Association, 2017. Japanese carbon tax.
- PI Ministry of Science and Technology, 2016/08/01-2017/07/31. The macroeconomics of climate change mitigation - An empirical aggregate production analysis for the changes of CO₂ emissions. (MOST 105-2410-H-034-053), study on Vancouver School of Economics, UBC, Canada.
- PI Ministry of Science and Technology, 2015/01/01-2015/12/31. Economics of global climate change. (104-2918-I-034-001).
- PI National Science Council, 2013/08/01~2014/07/31. A study on the relationship of economic growth and CO₂ emissions under economic recession and Kyoto Protocol. (NSC 102-2410-H-034-035-).
- PI National Science Council 2012/8/1- 2013/7/31. Supply and demand of organic rice in Taiwan (NSC 101-2410-H-034 -049 -).
- co-PI Council of Agriculture. 2008/1/1 - 2011/12/31. Public Involvement in governing forested trails. (three year projects).
- co-PI National Science Council. 2010/8/1- 2011/7/31. Study topics related to public participation in coastal resource conservation and restoration for environmental degradation in Yilan County. (three year projects).
- PI Chinese Culture University. 2010/4/1-2010/7/31. Dynamic Analysis for Taiwanese demand for Tourism.
- PI National Science Council. 2003/8/1 - 2004/7/31 Economic Evaluation for Yang-Ming Shan National Park. (two year projects).
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