

CURRICULUM VITAE

Fu-Sung “Frank” CHIANG, Ph.D.

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CONTENTS

I. EDUCATION	1
II. SPECIALIZATIONS	1
III. PROFESSIONAL EXPERIENCE	1
IV. OTHER POSITIONS/ASSIGNMENTS HELD	3
V. HONORS AND AWARDS	3
VI. MEMBERSHIPS OF PROFESSIONAL ASSOCIATIONS	4
VII. PUBLICATIONS	4
VIII. PAPERS PRESENTED AT PROFESSIONAL MEETINGS	8
IX. SELECTED RESEARCH ACTIVITIES AND SOURCES OF FUNDING	13
X. TEACHING EXPERIENCE	17
XI. GRADUATE AWARDED DEGREES; MAJOR PROFESSOR	18
XII. INTERNATIONAL EXPERIENCE	21

CURRICULUM VITAE

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Gender : Male

Citizenship: Taiwan

Birth Year: 1961

Ethnicity: Asian

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I. EDUCATION:

Ph.D., Department of Consumer Economics and Housing (now Department of Policy Analysis and Management), **Cornell University**, Ithaca, New York, USA, 1994. Major: Consumer Economics. Minors: 1) Labor Economics at the School of Industrial and Labor Relations and 2) Marketing and Tourism at the School of Hotel Administration.

M.S., Food and Resource Economics Department, **University of Florida**, Gainesville, Florida, USA, 1990.

B.S., Department of Agricultural Economics (now Department of Applied Economics), **National Chung-Hsing University**, Taichung, Taiwan, 1987.

II. SPECIALIZATIONS: Consumer Economics, Fisheries/Aquaculture Economics, Demand and Market Analyses, Marketing and Trade.

III. PROFESSIONAL EXPERIENCE:

Oct. 10-25, 2015; **Visiting Professor**, Can Tho University (CTU), Vietnam and Lecturer, Advanced Aquaculture Program, CTU, Vietnam.
Sept. 26-28, 2015; **Invited Speaker**, APEC Seminar on Strengthening Public-Private Partnership to Reduce Food Losses in the Supply Chain of Fishery and Livestock, Iloilo City, Philippines.
Oct. 2-16, 2014; **Visiting Professor**, Can Tho University (CTU), Vietnam and Lecturer, Advanced Aquaculture Program, CTU, Vietnam.
March 28 - April 5, 2014; **Invited Expert**, International Cooperation and Development Fund (ICDF), to conduct the fact survey mission

- of the ADINOR's tilapia production, marketing and processing project in Guatemala
- March 14 - 26, 2014; **Invited Expert**, International Cooperation and Development Fund (ICDF), to conduct the evaluation mission of the freshwater Pacú (*Pyaractus mesopotamicus*) fry breeding and culture project in Paraguay
- Oct. 5, 2013 - Oct. 15, 2013; **Lecturer**, International Master Program in Aquaculture, Nha Trang University (NTU), Vietnam.
- Sept. 1, 2011 - Aug. 31, 2012; **Visiting Scholar**, School of Economics, University of Maine-Orono, USA.
- July 1 - Aug. 31, 2011; **Visiting Scholar**, Department of Economics, University of California-San Diego, USA.
- April, 2010; **Visiting Professor**, Nha Trang University (NTU), Vietnam and Lecturer, Master Programme in Fisheries and Aquaculture Management and Economics (NOMA-FAME), a joint programme by University of Tromso, Norway and NTU, Vietnam.
- Sept, 2009 - Present; **Regional Director**, International Association of Aquaculture Economics and Management.
- April, 2009; **Visiting Professor**, Nha Trang University (NTU), Vietnam and Lecturer, Master Programme in Fisheries and Aquaculture Management and Economics (NOMA-FAME), a joint programme by University of Tromso, Norway and NTU, Vietnam.
- March, 2008; **Visiting Professor**, Nha Trang University (NTU), Vietnam and Lecturer, Master Programme in Fisheries and Aquaculture Management and Economics (NOMA-FAME), a joint programme by University of Tromso, Norway and NTU, Vietnam.
- Feb. 2008 - Oct., 2009; **Dean**, College of Humanities and Social Sciences, National Taiwan Ocean University, Taiwan.
- Aug. 2006 - Jan. 2008; **Professor and Director**, Institute of Applied Economics, National Taiwan Ocean University, Taiwan.
- Aug. 2004 - Dec. 2006; **Fisheries Extension Professor**, Fisheries Extension Committee, National Taiwan Ocean University, Taiwan.
- Aug. 2002 - July 2004; **Associate Professor**, Institute of Applied Economics, National Taiwan Ocean University, Taiwan.
- Aug. 1998 - July 1999; **Director**, Publication Affairs, National Taiwan Ocean University, Taiwan.
- Aug. 1994 - July 2002; **Associate Professor**, Institute of Fisheries Economics, National Taiwan Ocean University, Taiwan.
- Feb. 1994 - July 1994; **Adjunct Associate Professor**, Institute of Fisheries Economics, National Taiwan Ocean University, Taiwan.

IV. OTHER POSITIONS/ASSIGNMENTS HELD:

Committee, Seafood Safety Advisory Committee, Taiwan Aquaculture Foundation, Aug. 2012 - present.

Committee, Scientific Committee for International Institute of Fishery Economics and Trade (IIFET) 2012 Conference in Tanzania.

Lecturer, Workshop on Tilapia Culture, International Cooperation and Development Fund, Honduras, March 2011.

Supervisor, The Rural Economics Society of Taiwan, 2006 - present.

Advisor, Myanmar Fish Farmers Association, Union of Myanmar, 2007 - present.

Project Reviewer, Construction and Planning Agency, Ministry of Interior, Taiwan, 2007 - 2009.

Advisor, Northern Taiwan Leisure Group, 2006 - 2009.

Committee, Taiwanese Economics Association, 2006 - 2010.

Editor-in-Chief, Taiwan Tilapia Newsletters, 2004 - 2006.

Executive Director, Taiwan Tilapia Alliance, Taiwan, 2004 - 2007

Advisor, Keelung Tourism Alliance, 2003 - 2005.

Committee, Fisheries Committee, Council of Agriculture, 1999 - 2002.

Executive Director, Taiwan Tilapia Alliance, 2002.

Chair, Founding Committee, Taiwan Tilapia Alliance, 2002.

Teaching and Research Assistant, Department of Consumer Economics and Housing, Cornell University, USA, 1990 - 2004.

Research Assistant, Department of Food and Resource Economics, University of Florida, USA, 1990.

Teaching Assistant, Department of Food and Resource Economics, University of Florida, USA, 1989.

V. HONORS AND AWARDS:

2005, The Distinguished Agricultural Personnel Award, Council of Agriculture, Taiwan.

2005, The Distinguished Contribution to Tourism Development, Keelung City Government, Taiwan.

2003, The Distinguished Member Award, Chiayi Chiangs Association, Taiwan.

2000, The Distinguished Alumnus Award, National Ping-Tung University of Science and Technology, Taiwan.

2000, Type A Research Award, National Science Council, Taiwan.

- 1998, 5th Place, Java Cup Competition, Ministry of Economics, Taiwan.
- 1998, Type A Research Award, National Science Council, Taiwan.
- 1996, Type A Research Award, National Science Council, Taiwan.
- 1992, Elected to the Honor Society of Agriculture, Gamma Sigma Delta, U.S.A.
- 1991, Elected to the Kappa Omicron Nu Honor Society, U.S.A.
- 1991, Elected to the Honor Society of Phi Kappa Phi, U.S.A.
- 1990, Graduation with the Fred Prochaska Award as the Outstanding Master Thesis for 1990, University of Florida.

VI. MEMBERSHIPS OF PROFESSIONAL ASSOCIATIONS

1. American Tilapia Association, ATA
2. International Association of Aquaculture Economics and Management, IAAEM
3. International Institute of Fisheries Economics and Trade, IIFET
4. Rural Economics Society of Taiwan, REST
5. Taiwan Tilapia Alliance, T²A

VII. PUBLICATIONS:

1. Refereed Journal Papers:

- Sun, Chin-Hwa Jenny, **Fu-Sung Chiang**, Matt Owens, and Dale Squires, 2017, Will American consumers pay more for eco-friendly labeled canned tuna? Estimating US consumer demand for canned tuna varieties using scanner data, *Marine Policy* (in Press).
- Sun, Chin-Hwa Jenny, **Fu-Sung Chiang**, Patrice Guillotreau, Dale Squires, D. G. Webster, and Matt Owens, 2015, Fewer Fish for Higher Profits? Price Response and Economic Incentives in Global Tuna Fisheries Management, *Environmental and Resource Economics*, 62(1)(In Press). <http://link.springer.com/article/10.1007/s10640-015-9971-4> SSCI (2014 IMPACT FACTOR: 1.426)
- Mills, K.E., A.J. Pershing, C.J. Brown, Y. Chen, **F.-S. Chiang**, D.S. Holland, S. Lehuta, J.A. Nye, J.C. Sun, A.C. Thomas, and R.A. Wahle. 2013. Fisheries management in a changing climate: Lessons from the 2012 ocean heat wave in the Northwest Atlantic. *Oceanography*, 26(2), <http://dx.doi.org/10.5670/oceanog.2013.27>.
- Lai, Yi-Hao, **Fu-Sung Chiang**, and Huang-Chieh Lin, 2010, An Investigation of the Contagion Effect in Asian Stock Markets under Extreme Rate of Return Using Copula Approach, *Journal of Economics and Management*, 6(2): 247-270 (in Chinese).
- Sun, Chin-Hwa, Miao-Fang Wu and **Fu-Sung Chiang**, 2007, A Study of the Impact

- of Tariff Reduction in Doha Development Round on the Fisheries Sector in Taiwan: An Application of the Fisheries Sector Equilibrium Model, *Journal of Agricultural Economics*, 81(2): 57-92. (in Chinese)
- Chiang, Fu-Sung** and Chin-Hwa Sun, 2007, A Study of Consumer Safety and its Impact on Industrial Development in Taiwan, *Taiwan Economic Forum*, 5(8):44-69. (in Chinese)
- Sun, Chin-Hwa, **Fu-Sung Chiang**, and Yu-Fang Chuang, 2007, The Impact of Elimination of the Fishery Fuel Tax Exemption and Suspension of Fishing Activities Program on Taiwan's Fishing Industry, *Taiwanese Agricultural Economic Review*, 12(2): 261-295. (in Chinese)
- Sun, Chin-Hwa, **Fu-Sung Chiang**, Min-Hsiang Chen, and Eugene Tsoa, 2006, The Effects of El Niño on the Mackerel Purse-Seine Fishery Harvests in Taiwan: An Analysis Integrating the Barometric Readings and Sea Surface Temperature, *Ecological Economics*, 56(2): 268-279.
- Sun, Chin-Hwa, **Fu-Sung Chiang** and Kai-Yin Chang, 2005, Impact Evaluation of Import Substitutions of Fishery Product Imports from China on Taiwan's Fishery Industry, *Taiwanese Agricultural Economic Review*, 11: 107-142. (in Chinese)
- Chiang, Fu-Sung**, 2005, A Study of the Impact of Direct Trade on Taiwan's Fishery Sector with Special Reference to the Effect of China's WTO Accession, *Agricultural Economics*, 33: 67-77.
- Chiang, Fu-Sung**, Chin-Hwa Sun and Cheng-Hong Lin, 2004, The Impact of Taiwan's WTO Entry on its Domestic Agriculture Sector, *Review of Urban and Regional Development Studies*, 16(1): 1-13.
- Ganiere, Pierre, Wen S. Chern, David E. Hahn, and **Fu-Sung Chiang**, 2004, Consumer Attitudes toward Genetically Modified Foods in Emerging Markets: The Impact of Labeling in Taiwan, *International Food and Agribusiness Management Review*, 7(3): 1-20.
- Chiang, Fu-Sung**, Chin-Hwa Sun, and Jin-Mey Yu, 2004, Technical Efficiency Analysis of Milkfish (*Chanos chanos*) Production in Taiwan - an Application of the Stochastic Frontier Production Function, *Aquaculture*, 230 (1-2), 99-116.
- Sun, Chin-Hwa, **Fu-Sung Chiang**, Yuan-Yuan Shr, and Chen-Hsiang Liu, 2003, Valuing the Angler's WTP for the Surf/Rocks Fishing in the Northeastern Coast of Taiwan, *Journal of Agricultural Economics*, 74: 63-88. (in Chinese)
- Sun, Chin-Hwa, Cheng-Hong Lin, **Fu-Sung Chiang**, and Kuo-Jung Lin, 2003, General Equilibrium Analysis of the Impact of WTO Accession and the Elimination of the Fishery Fuel Tax Exemption on Agriculture, Livestock and Fishery Sectors in Taiwan, *Agriculture and Economics*, 31: 22-54. (in Chinese)
- Chiang, Fu-Sung**, Jonq-Ying Lee and Mark G. Brown, 2001, The Impact of Inventory on Tuna Prices: An Application of Scaling in the Rotterdam Inverse Demand System, *Journal of Agricultural and Applied Economics*, 33(3): 403-411.

- Chiang, Fu-Sung**, Jonq-Ying Lee, and Hwang-Jaw Lee, 2000, An Application of Differential Demand System on Aggregate Food Groups in Taiwan, *Journal of Agricultural Economics*, 70: 117-148. (in Chinese)
- Chiang, Fu-Sung** and Wei-Yin Chen, 2001, An Analysis of Major Aquaculture Products' Prices in Taipei: An Application of Vector ARMA Models, *Journal of Agriculture and Economics*, 26: 71-111. (in Chinese)
- Chiang, Fu-Sung** and Jonq-Ying Lee, 2000, A Study of the Inverse Demand System of the Aquaculture Products in Taiwan, *Journal of Agricultural Economics*, 68: 1-25. (in Chinese)
- Chiang, Fu-Sung** and Jonq-Ying Lee, 2000, The Demand for Aquacultural Products in Taiwan - An Inverse Demand System Approach, *Journal of Marine Science and Technology*, 8(2): 101-107.
- Chiang, Fu-Sung** and Jonq-Ying Lee, 2000, Inverse Demand for Meat and Fishery Products in Taiwan, *J. Fish. Soc. Taiwan*, 27(2): 139-147.
- Sun, Chin-Hwa and **Fu-Sung Chiang**, 1999, Fleet Dynamic Analysis of the Taiwan Offshore Trawl Fishery: An Application of the Sea Surface Temperature Measures, *Journal of Marine Science and Technology*, 7(2): 101-109.
- Chiang, Fu-Sung** and Shau-Yen Huang, 1999, The Impacts of Women's Knowledge about the Nutritional Value of Seafood Products on Seafood Purchase Intention in Taiwan, *J. Fish. Soc. Taiwan*, 26(4): 241-246.
- Sun, Chin-Hwa, Ching-Cheng Chang and **Fu-Sung Chiang**, 1999, Impact Evaluation of the APEC EVSL on the Fisheries Sector in Taiwan - Ann Application of the Fisheries Sector Equilibrium Model, *Academia Economic Papers*, Vol. 27(3): 359-383. (in Chinese)
- Chiang, Fu-Sung**, Chin-Hwa Sun and T. H. Kuo, 1999, The Establishment of the Taiwan Fleet Dynamics Management System, *Journal of Agricultural Finance*, Vol. 41: 331-348.
- Chiang, Fu-Sung** and Chin-Hwa Sun, 1999, The Application of the Taiwan Fleet Dynamics Management System to Fishing Fleets and Fishery Resources, *J. Fish. Soc. Taiwan*, 26(2): 103-114.
- Sun, Chin-Hwa and **Fu-Sung Chiang**, 1998, Evaluation of the Offshore Fisheries Compensation in Taichung County, *Taiwanese Agricultural Economic Review*, Vol. 4(1): 1-39. (in Chinese)
- Sun, Chin-Hwa and **Fu-Sung Chiang**, 1998, The Problems and Challenges Associated with World Trade Organization Accession Faced by Taiwan's Fishing Industry, *J. Fish. Soc. Taiwan*, 25(2): 139-160.
- Chiang, Fu-Sung**, Chin-Hwa Sun and Cheng-Hui Wen, 1998, An Analysis of Recent Fisheries Compensation Cases in Taiwan and their Applications, *Journal of Agricultural Economics*, Vol. 60: 41-79. (in Chinese)

2. Books and Book Chapter:

- Sun, Chin-Hwa and **Fu-Sung Chiang**, 2014, Use and Exploitation of Sea Urchins, Center for Cooperative Aquaculture Research (CCAR), University of Maine, Maine, USA. (forthcoming)
- Chiang, Fu-Sung** and Chin-Hwa Sun, 2010, Influence of Global Warming on Seafood Availability, Editor: Elzbieta, G. Daczowska-Kozon and Bonnie Sun Pan, Environmental Effects on Seafood Availability, Safety and Quality Issues, CRC Press LLC., pp. 261-273.
- Chiang, Fu-Sung** and Chin-Hwa Sun, 2006, A Study of Consumer Safety and its Impact on Industrial Development, Council for Economic Development and Planning, (ISBN: 978-986-00-8719-2). (in Chinese)
- Chiang, Fu-Sung**, 2006, Safety in Using Animal Drugs for Farmed Fishes, Taiwan Tilapia Alliance, (ISBN: 957-41-3655-8). (in Chinese)
- Chiang, Fu-Sung**, 2002, About the Taiwan Tilapia, Taiwan Tilapia Alliance, (ISBN: 957-41-0758-2). (in Chinese)
- Chiang, Fu-Sung**, Chin-Hwa Sun and Jonq-Ying Lee, 2000, An English-Chinese Glossary of Business, Management, Economics and Statistics (ISBN: 957-97479-7-0).
- Chiang, Fu-Sung** and Kuo-Tien Lee, 1997, An English-Chinese Glossary of International Fisheries, National Taiwan Ocean University, 1st. Edition (ISBN: 957-00-9990-9).
- Chiang, Fu-Sung**, C. H. Chen and Jerry Yeh, 1996, Java Resource Book, GOTOP Information Inc, 1st. Edition (ISBN 957-641-757-0). (in Chinese)
- Chiang, Fu-Sung**, C. H. Chen and Jerry Yeh, 1996, Introduction to Java, GOTOP Information Inc, 1st. Edition (ISBN 957-641-756-2). (in Chinese)
- Chiang, Fu-Sung** and Chuen-Fu Lai, 1995, An English-Chinese Glossary of Fisheries, The Sueichan Press, 1st. Edition (ISBN 957-8956-26-X).
- Chiang, Fu-Sung**, 1988, INKART Chinese Desktop Publishing System Reference Guide, Taipei: Phoebea Inc., third Edition. (in Chinese)
- Chiang, Fu-Sung**, 1988, Personal Typesetter System Users' Guide, Taipei: Uniss Computer Co. (in Chinese)
- Chiang, Fu-Sung**, 1988, XEROX Computer Aided Publishing System Training Guide, Taipei: Taiwan XEROX Corp. (in Chinese)

3. Short Articles and Technical Reports:**a) Short Articles and Technical Reports Written in Chinese:**

I have over 110 short articles and Technical Reports written in Chinese from 1994 to 2011.

b) Selected Short Articles Written in English:

Chiang, Fu-Sung, 2009, Extreme Weather Events and Seafood Supply: the Case of Typhoon Morakot and its Impact on Taiwanese Aquaculture, INFOFISH International, 5: 16-20.

Chiang, Fu-Sung, 2001, Fleet Dynamics and Fisheries Management, International Workshop on Fishery Policy and Management for the South-Pacific Region, Program, pp. 5-34, July 14.

Chiang, Fu-Sung, 2002, Taiwan Tilapia Industry Forms Alliance to Remain Competitive, Global Aquaculture Advocate, Vol. 5(2).

Chiang, Fu-Sung, 2002, Gateway to the Tilapia Business, Seafood International, October issue.

VIII. PAPERS PRESENTED AT PROFESSIONAL MEETINGS:

Sun, Jenny, **Frank Chiang**, and Arnault Le Bris, 2015, Changing Climate, Changing Economics: Global Market Integration of US-Canada American Lobster in the Emerging Chinese Market, American Lobster In A Changing Ecosystem II: A US-Canada Science Symposium at Charlottetown, PEI, Canada on Nov 3-6.

Sun, Jenny, **Frank Chiang**, Resilience and Adaptation of a Coastal Economic System: Market Integration of US-Canada American Lobster Economy, 2015 Annual meeting of Northeast Agricultural and Resource Economics Association and the Canadian Agricultural Economics Society, June 28-30, Newport, RI.

Fu-Sung Chiang, 2015, ASC Tilapia Certification: The Taiwan Experience, Tilapia 2015, Kuala Lumpur, Malaysia, April 2-4.

Yu-Chieh Fu, Duu-Hwa Lee and **Fu-Sung Chiang**, 2014, The Impact of the Wind Energy Industry on the Economic Development in Taiwan: An Input-Output Analysis, 2014 Taiwan-Korea-Japan International Conference on Agricultural and Resources Economics, Taipei, Taiwan, Aug. 13.

Sun, Jenny, Alexa Dayton, **Frank Chiang**, 2014, Impact of the 2012 Gulf of Maine Heatwave: Market Integration of US-Canada Lobster Economy, American Fisheries Society 144th Annual Meeting Québec, Canada, August 17-21, 2014.

Sun, Jenny, **Fu-Sung Chiang**, Alexa Dayton. 2013. Impact of the 2012 Gulf of Maine Heatwave: Market Integration of Maine and Canadian Lobster, 2013 Regional Association for Research on the Gulf of Maine (RARGOM) Annual Science Meeting, the 2012 Gulf of Maine heatwave: anomalous year or the new normal? October 8, 2013.

Lin, Ku-Jung, Lee-Jung Lu, Cheng-Liang Chang and **Fu-Sung Chiang**, 2013, THE NEW TOURISM ATTRACTION ON NORTHERN COAST OF TAIWAN: THE CASE OF COASTAL TOURISM CORRIDOR IN KEELUNG CITY, The 3rd Advances in Hospitality and Tourism Marketing & Management, Taipei,

Taiwan, June 25-30.

- Chiang, Fu-Sung**, Chin-Hwa Sun, Lee-Jung Lu and Fen-Lan Chen, 2013, Predicting Matured Tilapia Stock in Taiwan, ASIAN-PACIFIC AQUACULTURE 2013, Ho Chih Minh City, Vietnam, Dec. 10-14.
- Sun, Jenny, **Fu-Sung Chiang**, Matt Owens, and Dale Squires, 2012, U.S. Consumer Demand for Canned Tuna with Scanner Data: Evaluation of Market Based Incentives for Fisheries Reform, 63rd Annual Tuna Conference, Theme: Natural and Anthropogenic Effects on Highly Migratory Fish Populations," Lake Arrowhead, CA, May 21-24.
- Chiang, Fu-Sung** and Lee-Jung Lu, 2012, Current Status and Trends of the Development of US Marine Biofuel Industry, Conference on Marine Biofuel Industry Development, National Taiwan Ocean University, Keelung, Taiwan, March 2.
- Chiang, Fu-Sung**, Chin-Hwa Sun, Wen Yi Lin, Pei-Ing Wu, and Lee-Jung Lu, 2012, Valuing Environmental Benefits of Microalgal Biodiesel, Aquaculture America 2012, Las Vegas, NV, Feb 29-March 2.
- Chiang, Fu-Sung**, Kelvin Chen, Tien-Tsai Tsai and Cathy Chen, 2012, Technology Training and Sharing on Tilapia Farming: An Experience from the ICDF Workshop on Tilapia Culture in Honduras, Aquaculture America 2012, Las Vegas, NV, Feb 29-March 2.
- Sun, Chin-Hwa and **Fu-Sung Chiang**, 2011, Inverse Demand Analysis of Tuna for the Canning Market in Thailand and for the Sashimi Market in Tokyo, Japan, International Workshop of Modeling Global Demand for Tunas, CLIOTOP-IMBER Working Group 5, supported by the ANR-Project MACROES and NOAA-NMFS, April 12-17, Nantes, France.
- Chiang, Fu-Sung**, Chin-Hwa Sun, Wen Yi Lin, and Pei-Ing Wu, 2011, Valuing Environmental Benefits of Algae Biofuel: A Conceptual-Level Approach, Asian-Pacific Aquaculture 2011, Jan. 17-20, Kochi, India.
- Chiang, Fu-Sung**, Chin-Hwa Sun, Pan, Ya-Ling, and Lu, Lee-Jung, 2010, An Analysis of Impact of Tariff Reduction in the Non-Agriculture Market Access Negotiations in the WTO Doha Round on the Fisheries Sector in Taiwan, IIFET, July 13-16, Montpellier, France.
- Sun, Chin-Hwa and **Fu-Sung Chiang**, 2010, Inverse Demand Analysis of the Tuna Sashimi Market in Japan: An Application of Scaling in the Rotterdam Inverse Demand System, IIFET, July 13-16, Montpellier, France.
- Sun, Chin-Hwa and **Fu-Sung Chiang**, 2010, Inverse Demand Analysis of the Tuna Sashimi Market in Tokyo, Japan: An Application of the Rotterdam Inverse Demand System, International Workshop on Global Tuna Demand, Fisheries Dynamics and Fisheries Management in the Eastern Pacific Ocean, La Jolla, California, USA, May 13-14, 2010.
- Chiang, Fu-Sung**, Chin-Hwa Sun, Yang-Hong Chen, Lee-Jung Lu, and Duu-Hwa Lee, 2010, The Impact of Typhoon Morakot and the Reconstruction in the Aftermath: the Case of Fish Farming Sector in Taiwan, Aquaculture 2010, San Diego, CA, March 1-5.
- Chiang, Fu-Sung**, Kun-Shan Huang and Chin-Hwa Sun, 2009, A Technical Efficiency Analysis of Barramundi Farms in Taiwan - An Application of the

- Stochastic Frontier Production Function, Asian Pacific Aquaculture 2009, Kuala Lumpur, Malaysia, Nov. 3-6.
- Chiang, Fu-Sung** and Wei-Ren HUANG, 2008, A Technical Efficiency Analysis of Tilapia Production in Taiwan Using Log Book Data, 2008 WAS Conference, Busan, Korea, May 19-23, 2008.
- Chiang, Fu-Sung**, 2007, A Preliminary Assessment of Tilapia Investment Feasibility in Belize, Myanmar, Thailand and Vietnam, Tilapia 2007 International Technical and Trade Conference on Tilapia, Kuala Lumpur, Aug. 23-25, 2007.
- Chiang, Fu-Sung**, 2007, Branding Tilapia in the Commodity Market: the Taiwanese Experience, Tilapia 2007 International Technical and Trade Conference on Tilapia, Kuala Lumpur, Aug. 23-25, 2007.
- Chiang, Fu-Sung**, 2006, The Experience and Development of Responsible and Eco-friendly Aquaculture Production Practices to Aquaculture Foods' Safety and Traceability in Taiwan, 2006 FFTC-RCA International Workshop on Innovative Technologies for Eco-friendly Fish Farm Management and Production of Safe Aquaculture Foods, Sari Segara Beach Hotel and Spa, Bali, Indonesia, Dec. 4-8.
- Chiang, Fu-Sung**, 2006, Markets for Farmed Tilapia Products, 2006 Mideast Seafood Technical and Trade Conference organized by INFOFISH, Muscat, Oman, March 5-7.
- Chiang, Fu-Sung**, 2006, Taiwan - a Pioneer in Tilapia Farming, 2006 Mideast Seafood Technical and Trade Conference organized by INFOFISH, Muscat, Oman, March 5-7.
- Chiang, Fu-Sung**, Lee-Jung Lu, Chin-Hwa Sun, 2005, Willing to Pay for Genetic Modified Food in Taiwan, Annual Meeting of Taiwan Agriculture Association, Taichung, Taiwan, Dec. 10. (In Chinese)
- Chiang, Fu-Sung**, 2004, Taiwan Tilapia Production Zone Exclusive for Exporting, Sixth International Symposium on Tilapia in Aquaculture, ASTA 6, Sept. 12-16, Manila, Philippines.
- Chiang, Fu-Sung**, 2004, An Analysis of Consumer Perception and Acceptance of GM-fed Salmon in Taiwan, Selected Paper of the 12th Biannual Conference of the International Institute of Fisheries Economics and Trade, July 26-29, Tokyo, Japan.
- Sun, Chin-Hwa, **Fu-Sung Chiang**, Chia-Chen Liu, and Eugene Tsoa, 2004, Analysis of Coastal and Offshore Fishermen's Willingness to Accept the Reward of Reducing Fishing Activities in Taiwan, Selected Paper of the Twelfth Biannual Conference of the International Institute of Fisheries Economics and Trade, July 26-30, Tokyo, Japan.
- Chiang, Fu-Sung**, 2004, An Analysis of Consumer Perception and Acceptance of Genetically Modified Foods in Taiwan, 8th ICABR International Conference on Agricultural Biotechnology: International Trade and Domestic Production, International Consortium on Agricultural Biotechnology Research, July 8 - 11, Ravello, Italy.
- Chiang, Fu-Sung**, 2003, Consumer Perception and Acceptance of Genetically Modified Foods in Taiwan, The Conference of the Role of GMOs in Trade Disputes, The Menger Hotel, San Antonio, Texas, October 30 - 31.

- Chiang, Fu-Sung**, Wen S. Chern, and Lee-Jung Lu, 2002, Public Communication: Consumer's Perspective of GMO/GM Foods, the Study Meeting on Use and Regulation of Genetically Modified Organisms, Organized by the Asian Productivity Organization (APO), and held in the Taiwan Agricultural Research Institute (TARI), Taichung, Taiwan, November 18 - 23.
- Chiang, Fu-Sung**, 2002, A Study of the Impacts of Free Trade on Taiwan's Fisheries Sector - by Incorporating the Effect of Mainland China's Accession, Selected Paper of the Eleventh Biannual Conference of the International Institute of Fisheries Economics and Trade, Wellington, New Zealand.
- Sun, Chin-Hwa, **Fu-Sung Chiang**, and Jin-Mey Yu, 2002, Technical Efficiency Analysis of the Milkfish (*Chanos chanos*) Production in Taiwan - An Application of Stochastic Frontier Production Function, Selected Paper of the Eleventh Biannual Conference of the International Institute of Fisheries Economics and Trade, Wellington, New Zealand.
- Sun, Chin-Hwa and **Fu-Sung Chiang**, 2002, Relationship of the Seafood Price of Import-Export and Domestic Market in Taiwan, Workshop of Macro-Econometrics, Institute of Economic, Academia Sinica, Taipei. (In Chinese)
- Sun, Chin-Hwa, Wen-Ling Chang and **Fu-Sung Chiang**, 2002, An Analysis of the Behavior of Household Health and Medical Care Expenditure in Taiwan, The First Workshop of Applied Economic, National Chung Hsing University, Taichung. (in Chinese)
- Sun, Chin-Hwa, Hsiu-Jung Yen and **Fu-Sung Chiang**, 2002, Co-Movement in the International Stock Markets between Taiwan and Selected Countries, Annual Meeting of Taiwan Economic Association, Taipei. (in Chinese)
- Sun, Chin-Hwa, **Fu-Sung Chiang**, and Cheng-Hong Lin, 2002, Impact Evaluation of the Tariff Reduction on the Fisheries Sector in Taiwan: A Comparison of Multi-Sector CGE Model and Single-Sector Multi-Activity Sector Model, Proceedings of the 5th Conference on Global Economic Analysis, The Global Trade Analysis Project (GTAP), Grand Hotel, Taipei, June 5- 7.
- Chiang, Fu-Sung**, 2002, Relationship among Taiwan Domestic Consumption Demand, Export Demand, Taiwan's Export Price, and U.S. Import Price of Tilapia, Aquaculture America 2002, San Diego, CA, USA, Jan. 27-30.
- Chiang, Peter, **Fu-Sung Chiang**, and I Chiu Liao, 2001, Building Competitive Edges of Tilapia and Cobia for Taiwan's Aquaculture Industry during the Transition Period, Proceedings of the Seminar on Aquaculture Management, Asian Productivity Organization, Tungkang, Pingtung, Taiwan, Dec. 3-8.
- Sun, Chin-Hwa and **Fu-Sung Chiang**, Cheng-Hong Lin, and Kuo-Jung Lin, 2001, A Study of the Impacts of Tariff Reductions on Agriculture, Livestock, and Fishery Sectors in Taiwan - an Application of Single-Country Multiple-Sector CGE Model, Selected Paper of the Annual Meetings of the American Agricultural Economics Association, Chicago, IL, Aug. 1 - Aug. 8.
- Sun, Chin-Hwa and **Fu-Sung Chiang**, Te-Shi Liu, and Ching-Cheng Chang, 2001, A Welfare Analysis of El Niño Forecasts in the International Trade of Fish Meal - An Application of Stochastic Spatial Equilibrium Model, Selected Paper of

the Annual Meetings of the American Agricultural Economics Association, Chicago, IL, Aug. 1 - Aug. 8.

- Chiang, Fu-Sung**, Jonq-Ying Lee and Mark G. Brown, 2000, Scaling in the Rotterdam Inverse Demand System: The Impact of Inventory on Tuna Prices in Japan, Selected Paper of the 2000 Meetings of the American Agricultural Economics Association, Tampa, FL, July 30 - August 2.
- Chiang, Fu-Sung**, Jonq-Ying Lee and Chin-Hwa Sun, 2000, Some Observations on Future Fishery Subsidies Measures in Taiwan, *International Symposium on WTO New Round Agricultural Negotiation*, Taipei, Taiwan.
- Chiang, Fu-Sung** and Cheng-Hui Wen, 1998, Recent Taiwan Fisheries Compensation Cases, Their Causes and Effects: A Literature Review, Selected Paper of the 9th Annual Conference of the International Institute of Fisheries Economics and Trade, Tromso, Norway.
- Chiang, Fu-Sung** and Yi-Bin Liang, 1998, Analysis of the Consumer Behavior of Frozen Raw Fisheries Products in Taipei, Selected Paper of the 9th Annual Conference of the International Institute of Fisheries Economics and Trade, Tromso, Norway.
- Sun, Chin-Hwa and **Fu-Sung Chiang**, 1997, Problem and Challenges Facing the Fisheries Industry towards Free Trade and Investment in Taiwan, Panel 2 Meat Dairy and Fisheries, Invited Speaker of the PECC XII General Meeting, Santiago, Chile.
- Chiang, Fu-Sung**, 1997, The Application of the Taiwan Fleet Management System to Fishing Fleets and Fishery Resources, Invited Speaker of the FAO/LKIM Workshop on Techno-economic Viability of Sustainable Fishing Practices, Kuala Lumpur, Malaysia.
- Chiang, Fu-Sung**, 1997, The Application of Fleet Dynamics Management System on Fisheries Resources Management, The First Workshop on the Ocean Information System of APEC, Taipei.
- Chiang, Frank Fu-Sung** and W. Keith Bryant, 1996, U.S. Food-Away-from-Home Consumption: Household-Level and Aggregate Time Series Analyses Compared, Selected Paper of the 1996 Meetings of the American Agricultural Economics Association, San Antonio, TX, July 28-31.
- Chiang, Frank Fu-Sung** and Shau-Yen Huang, 1996, The Impacts of Women's Nutritional and Fisheries Products Knowledge on seafood Purchase Intention, in Proceedings of the 8th Annual Conference of the International Institute of Fisheries Economics and Trade, Casablanca, Maroc, July 1-4.
- Chiang, Frank F.**, 1995, The Price Forecasting Function in the Taiwan Fisheries Information System (TFIS), The Fourth Asian Fisheries Forum, Beijing, October 16-20.
- Chiang, Frank F.**, 1995, An Analysis of the Demand System of the Aquaculture Products in Taiwan: An Inverse Demand System Approach, The Fourth Asian Fisheries Forum, Beijing, October 16-20.

Chiang, Frank F. and David S. Liao, 1994, Managing Fish Market Information System for Industry Use and Economic Research, the 20th Annual International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC) Conference, Hawaii, October.

Chiang, Frank F. and David S. Liao, 1994, Taiwan Fish Market Information System (TFMIS) for Industry Use and Economic Research, in Proceedings of the 7th International Conference of the Institute of Fisheries Economics and Trade, Taipei, July 18-21.

Chiang, Frank F., J.S. Shonkwiler, and Chin-Hwa Sun, 1992, Infrequent and Seasonal Purchasing Behavior for Houseplants and Cut Flowers, the Proceedings of 37th Annual Conference of the American Council on Consumer Interest, Cincinnati, Ohio, Ed. Virginia Haldeman, Columbia, MO: ACCI, p. 103-09.

IX. SELECTED RESEARCH ACTIVITIES AND SOURCES OF FUNDING (1996-2015; Total Amount: US\$1,949,163):

Principal Investigator, Ministry of Science and Technology, **(US\$27,470)**, An Analysis of Existing and Potential Protests toward Renewable Energy and its Settlement Mechanism in Taiwan (II), Jan. 1-Dec. 31, 2015.

Principal Investigator, Council of Agriculture, **(US\$27,273)**, The Current Marketing Status of the Imported Seafood in Taiwan and its Strategy in Accordance to the Countermeasure, March 23-Dec. 31, 2015.

Principal Investigator, Taiwan Aquaculture Foundation, **(US\$8,167)**, An Industrial and Economic Analysis on Farmed Fishes for Exporting in 2013, May 28-Dec. 31, 2014.

Principal Investigator, International Cooperation and Development Fund (ICDF), **(US\$53,333)**, The ICDF Investment Project of Tilapia Feedmill in Guatemala: an Advisory Service on Technical Assistance and Project Preparation, Oct. 3, 2013-May 30, 2014.

Principal Investigator, Taiwan Aquaculture Foundation, **(US\$5,500)**, An Industrial and Economic Analysis on Farmed Fishes for Exporting in 2013, July 24-Dec. 31, 2013.

Principal Investigator, FishWise, USA, **(US\$20,000)**, U.S. Consumer Demand for Canned Tuna with Scanner Data: Evaluation of Market Based Incentives for Fisheries Reform, Oct. 1, 2011 - Jan. 31, 2012.

Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$690,000/US\$21,600)**, An Analysis of Development Strategy on Aquaculture in Taiwan in Accordance with the Global Increasing Demand for Fish and Fish Products, Aug. 1, 2009 - March 31, 2010.

- Principal Investigator, Excelco Co. Ltd., **(NT\$420,000/US\$13,125; 1US\$ = 32NT\$)**, Data Collection and Analysis of Global Copper Industry, July 1, 2009 - March 31, 2010.
- Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$390,000/US\$12,200; 1US\$ = 32NT\$)**, An Analysis of Transaction Fluctuations on Major Offshore Fisheries Products in Taiwan's Wholesale Fisheries Markets, Nov. 1, 2008 - April 30, 2009.
- Principal Investigator, Ministry of Education **(NT\$1,060,139/US\$32,620; 1US\$ = 32.5NT\$)**, Humanities and Social Sciences Teaching and Research Groups Development Program - Program of Oceanic Humanities, Aug. 1, 2008 - July 31, 2009.
- Principal Investigator, National Science Council **(NT\$663,000/US\$20,400)**, Economic Analysis of the Taiwan Biofuels: Modeling Biofuel Market and Scenario Analysis (NSC-97-2410-H-019-004), Aug. 1, 2008 - July 31, 2009.
- Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$75,000/US\$2,308)**, Project on Organizing the International Conference on Rights-based Management and Buybacks in Tuna Fisheries, Sept. 1 - Oct. 31, 2008.
- Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$969,000/US\$29,815)**, A Study of the Impact of and Countermeasures for the Multilateral and Bilateral Trade Liberalization in Taiwan's Fishery Sector, July 30 - Dec. 31, 2008.
- Co-Principal Investigator, National Science Council **(NT\$562,000/US\$17,292)**, Assessing the Asymmetry of Japanese Tuna Sashimi Price and Market Structure Change on the Management of the Tuna Longline Fishery in Taiwan (NSC-96-2415-H-019-002), Aug. 1, 2007 - July 31, 2008.
- Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$1,390,000/US\$42,769)**, Project on Mid-Career Training in Marine Affairs Management (VII), Jan. 1 - Aug. 31, 2007.
- Co-Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$1,050,000/US\$32,308)**, The Impact of the Multilateral and Bilateral Trade Liberalization on Fishery Sector in Taiwan, May 10 - Dec. 31, 2007.
- Principal Investigator, Council for Economic Development and Planning **(NT\$1,450,000/US\$44,615)**, A Study of Consumer Safety and its Impact on Industrial Development, June 23 - Dec. 31, 2006.
- Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$949,200/US\$29,206)**, The Proposal of the Aquaculture Act in Taiwan, March 1 - Dec. 31, 2006.
- Co-Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$592,000/US\$18,215)**, A Study of the Impact of Tariff Reduction under Nonagricultural Market Access Negotiation Adapted in the WTO Ministerial

Declaration in 2005 on the Fisheries Sector in Taiwan, March 1 - Dec. 31, 2006.

Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$500,000/US\$15,385)**, The Exchange Program of EU Experts in Residues to Taiwan, March 1 - June 30, 2006.

Principal Investigator, Council of Agriculture **(NT\$4,570,000/US\$140,615)**, Project on Exporting Promotion and Marketing of Taiwan Tilapia in 2006, March 1 - Dec. 31, 2006.

Co-Principal Investigator, National Science Council **(NT\$2,000,000/US\$61,538)**, Taiwan Genomic Survey (III)(NSC94-3112-H-001-002), Aug. 1, 2005 - Oct. 31, 2006.

Co-Principal Investigator, National Science Council **(NT\$391,000/US\$12,031)**, Evaluation of the Resource Management Procedure's Decision Rules of Southern Bluefin Tuna and the Impact on the Price Volatility in Japan (II) (NSC-94-2415-H-019-002), Aug. 1, 2005 - July 31, 2006.

Principal Investigator, Council of Agriculture **(NT\$8,500,000/US\$261,538)**, Project on Exporting Promotion and Marketing of Taiwan Tilapia, Sept 1 - Dec. 31, 2005.

Co-Principal Investigator, National Science Council **(NT\$3,283,000/US\$101,015)**, Taiwan Genomic Survey (II)(NSC93-3112-H-001-004), Aug. 1, 2004 - Sept. 30, 2005.

Co-Principal Investigator, National Science Council **(NT\$491,800/US\$15,132)**, Evaluation of the Resource Management Procedure's Decision Rules of Southern Bluefin Tuna and the Impact on the Price Volatility in Japan (NSC-94-2415-H-019-002), Aug. 1, 2004 - July 31, 2005.

Principal Investigator, National Science Council **(NT\$1,388,200/US\$42,714)**, Analysis of Consumer Perception and Acceptance of Genetically Modified Food Labelling in Taiwan (III) (NSC93-3112-H-019-001), May 1, 2004 - April 30, 2005.

Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$490,000/US\$15,077)**, Field Visit to EU Laboratory for Analyses of Antibiotics and Establishment of Exchange and Cooperation Mechanism, Oct. 1 - Dec. 31, 2004.

Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$124,000/US\$3,815)**, Project of Taiwan Tilapia Forum, Aug. 1 - Sept. 30, 2004.

Principal Investigator, Council of Agriculture **(NT\$8,500,000/US\$261,538)**, Improving the Quality and Enhancing the Measures of Residues Analysis of Taiwan Tilapia, June 1 - Dec. 31, 2004.

Principal Investigator, National Science Council **(NT\$1,134,200/US\$34,898)**, Analysis of Consumer Perception and Acceptance of Genetically Modified Food Labelling in Taiwan (II) (NSC92-3112-H-019-001), May 1, 2003 - April

30, 2004.

Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$725,000/US\$22,308)**, A Survey of Consumer Preference on Major Domestic Fisheries Products, Jan. 1 - Dec. 31, 2004.

Principal Investigator, Taiwan Eel Farming Industry Development Foundation **(NT\$500,000/US\$15,385)**, Consumer Acceptance and Consumption for Taiwan Eel Products, July 1 - Dec. 31, 2004.

Principal Investigator, Fisheries Agency, Council of Agriculture, **(NT\$320,000/US\$9,846)**, Household Preferences and Consumption of Fisheries Products in Taiwan, July 1 - Dec. 31, 2003.

Principal Investigator, National Science Council **(NT\$920,600/US\$28,326)**, Analysis of Consumer Perception and Acceptance of Genetically Modified Food Labelling in Taiwan (I) (NSC91-3112-H-019-001), May 1, 2002 - April 30, 2003.

Co-Principal Investigator, Council of Agriculture **(NT\$887,000/US\$27,292)**, A Study on the Integration and Application of Fisheries Information (III), Jan. 1 - Dec. 31, 2003.

Co-Principal Investigator, Council of Agriculture **(NT\$954,000/US\$29,354)**, A Study on the Integration and Application of Fisheries Information (II), Jan. 1 - Dec. 31, 2002.

Principal Investigator, Council of Agriculture **(NT\$1,006,000/US\$32,615)**, A Study on the Integration and Application of Fisheries Information (I), April 1 - Dec. 31, 2001.

Principal Investigator, Council of Agriculture **(NT\$1,850,000/US\$56,923)**, The Database of Daily Reports on Taiwan Fishing Fleets Movement Dynamics, July 1, 1998 - June 30, 1999.

Principal Investigator, Taiwan Fisheries Bureau **(NT\$550,000/US\$16,923)**, The Development of the Taiwan Fisheries Bureau's Web Site (II), Sept. 1, 1997 - June 30, 1998.

Principal Investigator, National Science Council **(NT\$259,000/US\$7,969)**, The Demand for Fisheries Products in Taiwan - An Application of Inverse Demand System (NSC 87-2415-H-019-005), Aug. 1, 1997 - July 31, 1998.

Co-Principal Investigator, Port of Taichung **(NT\$5,160,000/US\$158,769)**, Assessment and Compensation Formula Generation of the Taichung County's Fishing Ground Damages and its Fishermen's Catch Losses as a Result of the Construction and Operation of the Port of Taichung, Jan. 1 - Sept. 30, 1997.

Principal Investigator, Council of Agriculture **(NT\$1,480,000/US\$45,538)**, Database of Taiwan Fleet Dynamics and Major Fishing Ground's Oceanographic Conditions (I), July 1, 1997 - June 30, 1998.

Principal Investigator, National Science Council **(NT\$288,100/US\$28,326)**, Taiwan Household Fisheries and Livestock Products Consumption: Cross-Sectional and Time Series Analyses Compared (NSC 86-2415-H-019-004), Aug. 1,

1996 - July 31, 1997.

Principal Investigator, Taiwan Fisheries Bureau (**NT\$750,000/US\$23,077**), The Development of the Taiwan Fisheries Bureau's Web Site (I), July 1, 1996 - June 30, 1997.

Principal Investigator, Council of Agriculture (**NT\$250,000/US\$7,692**), Compilation and Translation on Marine Fisheries and International Fisheries Cooperation Related Words and Terms (I), July 1, 1996 - June 30, 1997.

X. TEACHING EXPERIENCE:

1. Ph.D. Level Course

Advanced Fisheries Economics, 3 credits, Spring 2008.

2. Master Level Courses

Applied Economics, 3 Credits, Fall 2004.

Aquaculture Economics and Management, 3 Credits, Fall 2004-2006.

Consumer Behavior and Seafood Consumption, 3 Credits, Fall 1994, Spring 1999-2011, 2013-2015.

Consumer Economics, 3 credits, Spring 1994, Fall 1994-2010, 2012-2015.

Econometrics I, 3 Credits, Fall 1997-2002, Spring 2003.

Fisheries Economics, 3 Credits, Spring 2015.

Fisheries Economics Seminar II, 1 Credit, Spring 1998.

Information Economics, 3 Credits, Spring 2002.

International Finance, 3 Credits, Spring 2007.

Managerial Mathematics, 3 Credits, Fall 2000-2003.

Microeconomics, 3 Credits, Fall 1994, Spring 1996-1997.

Ocean Economics, Fall 2010, 2012-2015.

Quantitative Research Methodology, 3 Credits, Spring 2002-2004.

Seafood Consumption Analysis, 3 Credits, Fall 2008.

Seafood Safety and Risk Perception, 3 credits, Fall 2006.

Seminar and Case Study, 1 Credit, Fall 2006.

Seminar of Applied Economics, 1 Credit, Fall 2006, 2012.

Special Topics on Marine Affairs Management, 1 Credit, Fall 2005-2006.

Special Topics on Consumer Economics and Policy, 3 credits, Fall 2002-2006.

Special Topics on Fisheries Economics and Management, 1 Credit, Fall 1999-2000.

Time Series Analysis, 3 Credits, Spring 1994, 1997.

Topics in Consumer Economics and Policy, 3 Credits, Fall 2004-2008, 2013.

3. Undergraduate Courses

The Economics of Life, 2 Credits, Fall 2008

Economics I, 3 Credits, Fall 1994-1999, 2002-2003.

Economics II, 3 Credits, Spring 1995-2000, 2003-2004.

Fisheries Trade, 2 Credits, Spring 1999-2001.

Application of World Wide Web on Fisheries Information System, 2 Credits, Fall 1996.

4. Courses taught in English

Aquaculture Economics and Management, 2 Credits, Fall 2014 and 2015. (Can Tho University, Vietnam)

Aquaculture Economics and Management, 3 Credits, Fall 2013. (Nha Trang University, Vietnam)

Aquaculture Economics and Management, 3 Credits, Spring 2008-2010. (Tromso University, Norway/Nha Trang University, Vietnam)

Common Property Management, 2 Credits, Fall 2008.

Consumer Behavior and Seafood Consumption, 3 credits, Spring 2007-2011, 2013-2015.

Consumer Behavior, 3 Credits, Spring 2005-2011, 2012-2014.

International Fisheries Development & Policy, 3 credits, Spring 2007-2010, 2013-2015.

XI. GRADUATE AWARDED DEGREES; MAJOR PROFESSOR:

Fu, Yu-Chieh, Impact of the Wind Energy Industry on the Economic Development in Taiwan: An Input-Output Analysis, June 2014 (Co-Advisor).

Lin, Wen-Yi, The Estimation of Environmental Benefits of Microalgal Biodiesel, June 2011.

Wang, Sheng-Wen, Forecasting Stock Return Volatility: A Hilbert-Huang Transformation Approach, June 2010 (Co-Advisor).

Wu, Chih-Wei, Dynamic Stock Index Futures Hedging via Dependence-Switching Model, June 2010 (Co-Advisor).

Wu, Yen-Te, Estimating the Stochastic Frontier Production Function for Tilapia Farms in Taiwan Using Pooled Data, July 2009.

Pan, Ya-Ling, Revisiting the Analysis of Impact of Tariff Reduction in the Non-Agriculture Market Access Negotiations in the WTO Doha Round on the Fisheries Sector in Taiwan, July 2009.

- Jian, Sheng-Yu**, An Analysis of Forecasting Wholesale Market of Selected Offshore Fishery Products in Taiwan, July 2009 (Co-Advisor).
- Huang, Kun-Shan**, A Technical Efficiency Analysis of Taiwan's Barramundi Production - An Application of the Stochastic Frontier Production Function, July 2008.
- Lin, Huang-Chieh**, An Investigation of the Contagion Effect in Asian Stock Markets under Extreme Rate of Return Using Copula Approach, July 2008 (Co-Advisor).
- Chang, Kai-Chieh**, The Dynamic Linkage between the Intraday Returns of the U.S. E-mini Stock Index Futures and Taiwan's Spot and Future Stock Indices, July 2008 (Co-Advisor).
- Chen, Wen-Chyi**, An Analysis of Problems in Developing Fish Farming in Natural Ponds - A Case Study of Irrigation Area of Taoyuan Irrigation Association, July 2007.
- Huang, Wei-Ren**, A Comparison of Patterns of Aquaculture Production in Taiwan Tilapia Farms - An Application of the Stochastic Frontier Production Function, July 2007.
- Jan, Ming-Huei**, The Effect of Rising Oil Price on the Fisheries Sector in Taiwan - An Evaluation based on the Fisheries Sector Equilibrium Model, July 2007. (2007 Best Thesis Award, Institute of Applied Economics)
- Lin, Shu-Lien**, An analysis of the Consumers' Perception and Behavior on CAS Certified Fisheries Products - An Example of Households in the Greater Taipei Region, July 2007.
- Wu, Chang-Jang**, A Study of the Rural Lodging Development Strategies in Jinguashi, Taipei County, Taiwan, July 2007.
- Huang, Chien-Hao**, A Study on the Production Economy and its Future Adjustment of Drag-net Fishery of Taiwan, July 2007 (Co-Advisor).
- Lin, Pao-Chien**, A Study on the Adjustment of Deep-sea Squid Fishery in Taiwan, July 2007 (Co-Advisor).
- Lo, Chung-Tso**, A Study on Development Strategies of Hsinchu Fishing Port in Taiwan, July 2007 (Co-Advisor).
- Wu, Hung-Wen**, A Study on the Development Strategies of Marine Cage Culture Industry in Taiwan - Application of the Analytic Hierarchy Process, July 2007 (Co-Advisor).
- Shie, Hong-Fu**, An Analysis of the Possibility of Expanding Agribank Business to Consumer Loans in Taiwan - An Example of Cash Cards, Jan. 2007.
- Chang, Shu-Fei**, The Application of the Balanced Scorecard to Evaluate the Performance of Fishermen's Association - A Case Study of the Keelung Fishermen's Association, July 2006.
- Cheng, An-Guo**, A Study on the Vessel Monitoring Management Policy of Offshore

and Coastal Fisheries in Taiwan, July 2006.

Cheng, Teng-Yao, A Study of Fresh Tuna Marketing on the Internet in Taiwan, July 2006.

Chuang, Chi-Ting, Technical Efficiency Analysis of Taiwan Tilapia Farms - An Application of the Stochastic Frontier Production Function, July 2006. (2006 Best Thesis Award, Institute of Applied Economics)

Huang, Jin Sheng, An Analysis of Consumers' Perceptions toward Marine Cultural Festivals in the Greater Taipei Region in Taiwan, July 2006.

Li, Wen-Ming, An Study of the Government Budget Allocation and Implementation - An Example of the Fisheries Administration in Taiwan, July 2006.

Wu, Tian-Zen, A Study on the Application of Co-management Strategy to Integrate Fisheries and Coastal Zone Environmental Policies, July 2006.

Yang, Pei-Chun, An Analysis of Taiwan and U.S. Consumers' Perception and Willingness to Pay for Genetically Modified Foods, July 2006.

You, Pei-Hua, Consumer's Willingness to Pay for Genetically Modified Foods in Taiwan: Applications of Auction Experiment and the Contingent Valuation Method, July 2006. (2006 Best Thesis Award, Institute of Applied Economics)

Hu, Jing-Shu, Consumers' Seafood Consumption Patterns and Their Willingness to Pay for Frozen Battered and Breeding Tilapia Nugget in Taiwan, July 2005. (2005 Best Thesis Award, Chinese Agricultural Products Marketing Association)

Huang, Shu-Huei, Consumer's Willingness to Pay for Genetically Modified Food in Taiwan: A comparison of the Hypothetical Contingent Valuation and Auction Experiment Methods, July 2005. (2005 Best Thesis Award, The Rural Economics Society of Taiwan; 2005 Best Thesis Award, Institute of Applied Economics)

Lin, Ju-Wen, A Study of Taiwan Tilapia Farm Environmental Diagnostics and the Product Traceability, July 2005.

Lin, Su-Lu, The Social-Economic and Environmental Analyses on Planning and Policy-Making of Taiwan Port - A Case Study of Taipei Port, July 2005.

Wang, Yii-Hsin, Productivity, R&D, and Intra- and Inter-Industry Spillovers in Taiwan's Aquaculture Industry, July 2005.

Chang, Hsiao-Fen, An Analysis of Households' Consumption Patterns and Their Willingness-to-Pay for Fisheries Products in Taiwan, July 2004.

Chen, Chien-Yu, A Study of the Wholesale Fish Market Development Strategies in Taiwan, July 2004. (2004 Best Thesis Award, Institute of Applied Economics)

Chang, Kai-Yin, A Study of the Impacts of Low-Price Fishery Product Imports from China on Taiwan's Fishery Industry, July 2003.

Chen, Chiu-Yen, An Evaluation and its Application of Taiwan's Aquaculture Statistics System, July 2003. (2003 Best Thesis Award, Taiwan Fisheries

Economics and Development Association)

Hung, Pei-Shun, A Technical Efficiency Analysis of Taiwan's Tilapia Production - An Application of Stochastic Frontier Production Function, July 2003.

Lu, Lee-Jung, Construction of a Food Demand Sub-system - A Case Study of Fish-Livestock Products in Taiwan, July 2002.

Chang, Yi-Tzu, A Study of the Impact of Free Trade on Taiwan's Fisheries Sector - An Application of the General Equilibrium Analysis, Jan. 2002.

Tsai, Chai-Rung, An Analysis of the Effect of Genetically Modified Foods Label on Consumer Perception and Behavior, Jan. 2002.

Chen, How-Win, An Analysis of Taiwanese Households' Domestic and International Travel Expenditure, July 2000.

Liu, Ming-Tong, Simulation Analysis of the Tilapia Wholesale Prices in Taiwan - An Application of ARCH Model, July 2000.

Yu, Neng-Ho, An Analysis of the Market Structure and Price Response of Taiwan's Milkfish fishery - A Case Study of the Chiayi fish Market, July 2000. (2000 Best Thesis Award, Institute of Fisheries Economics)

Chen, Wei-Yin, An Analysis of the Wholesale Prices of major Aquaculture Fisheries Products in Taipei - An Application of Vector ARMA Models, July 1999. (1999 Best Thesis Award, Institute of Fisheries Economics)

Wen, Jeng-Hui, The Establishment of the Fisheries Compensation Model: A Theoretical Approach, July 1998.

Liang, Yi-Bin, An Analysis of the Consumer Behavior of Frozen Raw Fisheries Products in Taipei, July 1997.

Ferng, Lie-Tyn, A Study on the Demand System of the Fisheries Products in Taiwan, July 1996.

Ho, Cheng Hsiung, An Analysis of the Impact of Nutritional Perception and Socioeconomic Variables on Household Fisheries Expenditures in Taiwan, July 1996.

XII. INTERNATIONAL EXPERIENCE: Associated with research and outreach activities (in alphabetical order)

Belize, Aug. - Sept. 2006, Assessment of fish farming investment feasibility, Belize city, Central Farm, and Belmopan areas and visited to Belize Fisheries Department, Ministry of Agriculture and Fisheries, University of Belize, Nova Shrimp Companies Ltd, and Fresh Catch Ltd (The Mega Group).

Cambodia, Feb. 2007, Field trips to Tonle Sap and Siemreap areas.

Chile, Sept. 1997, Invited to participate in the PECC XII General Meeting, Santiago.

France, Nov. 2004, Field trips to the AFSSA-Fougeres, Community Reference

Laboratory for Antimicrobial Residues in Food (AFSSA - Site de Fougères, Laboratoire d'Etudes et de Recherches sur les Médicaments Vétérinaires et Désinfectants), Fougères, Ecole Nationale Vétérinaire de Nantes, National Veterinary School, LABERCA, Nantes, and Delegation Economique De Taiwan (CAPEC), Paris.

Guatemala, 1) Oct. 17-29, 2013, Field trip of tilapia feedmill assessment in Zacapa; 2) Feb, 26- March 28, Field trip of tilapia feedmill assessment in Zacapa; 3) March 28-April 5, 2014, Invited Expert to conduct the fact survey mission of the ADINOR's tilapia production, marketing and processing project.

Honduras, March 14-25, 2011, Invited to organize a workshop on Tilapia Culture to train technicians from 8 countries in the Central and South Americas and Caribbean Sea region, Comayagua.

India, Jan. 17-21, 2011, Invited to present a paper in the Asian-Pacific Aquaculture 2011 and chair the IAAEM session, Kochi.

Indonesia, 1) Invited to participate in the 2006 FFTC-RCA International Workshop on Innovative Technologies for Eco-friendly Fish Farm Management and Production of Safe Aquaculture Foods, Bali and field trip to Research Institute for Mariculture, Dec. 2006; 2) Attended the Workshop on EU Fishery and Aquaculture Standards, SANCO/2005/D2/016, Jakarta and field trip to Surabaya, April 2006.

Italy, 2004, July 2004, Invited to participate in the 8th International Consortium on Agricultural Biotechnology Research (ICABR) Conference, Ravello, Naples.

Japan, July 2004, Invited to participate in the 12th Annual Conference of the International Institute of Fisheries Economics and Trade, Tokyo and field trips to the Nihon Yoshoku Shimbun, Tokyo University of Marine Science and Technology, Fukushima Prefecture, Miyagi Prefecture, Fishery Cooperative Association, and Tsukiji Fish Market.

Malaysia, 1) Invited to present a paper and chair one session in the Tilapia 2010 International Technical and Trade Conference on Tilapia, Kuala Lumpur, Oct. 26-30, 2010; 2) Invited to present a paper in the Asian Pacific Aquaculture 2009, Kuala Lumpur, Nov. 3-6, 2009; 3) Invited to present two papers and chair one session in the Tilapia 2007 International Technical and Trade Conference on Tilapia, Kuala Lumpur, Aug. 2007; 4) Survey of Barramundi farming and field trip to Ipoh area, Aug. 2007; 5) Invited to participate in the Tilapia 2001 International Technical and Trade Conference on Tilapia, Kuala Lumpur, May 2001; 6) Participated in the FAO/LKIM Workshop on Techno-economic Viability of Sustainable Fishing Practices, Kuala Lumpur, Dec. 1997.

- Morocco**, July 1996, Invited to participate in the 8th Annual Conference of the International Institute of Fisheries Economics and Trade, Marakesh.
- Myanmar**, 1) Invited as an advisor to conduct the fishmill and soft drinks investment assessment in Yangon, Myanmar, March 4-8, 2013; 2) Conducted the establishment of hilsa broodstock in the Pathein areas, Sept. 22-27, 2011; 3) Field Trips to Pathein areas to survey the hilsa market and production, Aug. 18-23, 2011; 4) Official visits to the Department of Fisheries, Ministry of Livestock and Fisheries, Myanmar Fisheries Federation, Myanmar Shrimp Association, Myanmar Fish Farmers Association, Myanmar Freshwater Capture Fisheries Association, Union of Myanmar Federation of Chambers of Commerce and Industry, and Yuzana Group, Feb. 2007; 5) Assessment of fish farming investment feasibility and field trips to Yangon and Bago areas, Dec. 2006.
- New Zealand**, Aug. 2002, Invited to participate in the 11th Annual Conference of the International Institute of Fisheries Economics and Trade, Wellington.
- Norway**, July 1998, Invited to participate in the 9th Annual Conference of the International Institute of Fisheries Economics and Trade, Tromso.
- Oman**, Mar. 2006, Invited to participate in the 2006 Mideast Seafood Technical and Trade Conference organized by INFOFISH, Muscat; Seminar in the College of Agricultural and Marine Sciences, Sultan Qaboos University; and field trips to Marine and Fisheries Center and Fish Quality Center.
- Paraguay**, March 14-26, 2014; Invited Expert, International Cooperation and Development Fund (ICDF), to conduct the evaluation mission of the freshwater Pacú (*Pyaractus mesopotamicus*) fry breeding and culture project in Paraguay.
- Peoples Republic of China**, 1) Invited to conduct the site evaluation of hilsa hatchery in Maanshan, Anhui, Aug.13-16, 2011; 2) Invited to participate the 2009 Cross-Strait Fisheries Week in Fuzhou, Sept. 18-22, 2009; 3) Invited to participate in the Second International Technical Seminar and Trade Meeting on Tilapia, Guangzhou; Field trips to Yang Sei Seafoods in Shunde city, Zhuhai, and Nanhai regions, June 2004; 4) Invited to participate in the Fourth Asian Fisheries Forum, Beijing, Oct. 1995.
- Philippines**, Sept. 2004, Invited to participate in the Sixth International Symposium on Tilapia in Aquaculture, Manila; Field trips to Batangas City, Nueva Ecija, and Pampanga regions.
- Thailand**, Aug. 2006, Assessment of fish farming investment feasibility, Bangkok, Prachinburi, and Chiang Rai regions; Visited to Department of Aquaculture, AIT and Grobest Group Thailand Inc.

United States, 1) Attended the Aquaculture America 2012, Las Vegas, Feb 29-March 2, 2012; 2) Attended the Aquaculture America 2010, San Diego, March 1-5, 2010; 3) Official visits to Recall Management Division, Office of Field Operations, Food Safety and Inspection Service (FSIS), U.S. Department of Agriculture (USDA), Market & Trade Economics Division, Economic Research Service (ERS), USDA; Office of Defects Inspection, National Highway Traffic Safety Administration, U.S. Department of Transportation; Center for Food Safety and Applied Nutrition (CFSAN), Food and Drug Administration (FDA), U.S. Department of Health and Human Services; and U.S. Consumer Product Safety Commission (CPSC), Sept. 2006; 4) Attended the Aquaculture America 2006, Las Vegas, Feb. 2006; 5) 2003 Conference on the Role of GMOs in Trade Disputes, San Antonio, Texas, Oct. 2003; 6) The 2001 Annual Meetings of the American Agricultural Economics Association, Chicago, Illinois; 7) Aquaculture America 2002, San Diego, CA, Jan. 2002; 8) The 2000 Annual Meetings of the American Agricultural Economics Association, Tampa, Florida, July-Aug. 2000.

Vietnam, 1) Invited as a visiting professor to give a lecture on Aquaculture Economics and Management at Nha Trang University, Nha Trang, Oct. 5-15, 2013; 2) Invited as a visiting professor to give a lecture on Aquaculture Economics and Management at Nha Trang University, Nha Trang, April 11-30, 2010; 3) Invited as a visiting professor to give a lecture on Aquaculture Economics and Management at Nha Trang University, Nha Trang, April 5-30, 2009; 4) Invited as a visiting professor to give a lecture on Aquaculture Economics and Management at Nha Trang University, Nha Trang, March 9-April 5, 2008; 5) Invited to chair a session at the Catfish 2007 international Conference organized by INFOFISH, June 2007; 6) Field trips to Hanoi and Ha Long Bay, Feb. 2007; 7) Assessment of fish farming investment feasibility, Ho Chih Minh City, Ca Mou (184 Forestry & Fishery Enterprise), and Can Tho regions and visited to Uni-President Vietnam Inc and Can Tho University, Sept. - Oct. 2006.