

CURRICULUM VITAE

Name:

Nattapong Puttanapong

ณัฐพงษ์ พัฒนพงษ์

Year of Birth:

1977

Nationality:

Thai



Education

- **Ph.D. in Regional Science (Regional Economics)**
Cornell University, Ithaca, New York, USA
Graduated: 2008
(Royal Thai Government Scholarship)
- **M.S. in Regional Science (Regional Economics)**
Cornell University, Ithaca, New York, USA
Graduated: 2006
(Royal Thai Government Scholarship)
- **M.P.A. in Economic Policy**
Cornell University, Ithaca, New York, USA
Graduated: 2003
(Royal Thai Government Scholarship)
- **B.Eng. in Telecommunications Engineering**
King Mongkut's Institute of Technology Ladkrabang, Thailand
Graduated: 1999

Experience Record**Faculty of Economics, Thammasat University, Bangkok, Thailand**

September 2011 – Present

- **Associate Professor** (August 2021 – Present)
- **Assistant Professor** (December 2015 – July 2021)
- **Lecturer** (September 2011 – December 2015)
- **Deputy Director, Bachelor of Economics (International Program)** (March 2012 – March 2014)
- **Director of Research Committee** (April 2014 – September 2014, April 2017 – March 2020)

Thammasat Review, Thammasat University, Bangkok, Thailand

July 2025 – Present

- **Associate Editor**
Thammasat Review is the official academic journal of Thammasat University, specializing in the publication of scholarly works in the social sciences. The journal is indexed in Scopus and ranked in the Q1 category (as of September 2025).

Kyoto University

Multiple periods

Visiting Lecturer/Visiting Scholar

- Applications of Satellite Data and Geospatial Analysis in Environmental, Economic, and Social Science Research (January, 2026)
- Special Lecture, Data-oriented Area Studies Unit, Kyoto University Research Coordination Alliance (December, 2024)

University of Tokyo

April 2025

Visiting Lecturer/Visiting Scholar

- Tokyo Workshop on International and Development Economics (TWID)

Asian Development Bank, Manila, The Philippines

Multiple periods of employment

Contracted Consultant/Resource Person

- TA-9356 REG: Data for Development - Econometric Analysis and Small Area Estimation using Innovative Data
- TA-9023 REG: Key Indicators for Asia and the Pacific 2017 - ADO Theme Chapter
- TA-8522 REG: The Urbanization-Poverty-Inequality Triangle in Asia and the Pacific
- TA-8779 REG: Key Indicators for Asia and the Pacific 2016
- SC 100111 REG: Financial Computable General Equilibrium Expert

The Economic Society of Thailand

August 2014 – Present

Member, Executive Board

Organisation for Economic Co-operation and Development (OECD), Paris, France

June 2016 – December 2016

Contracted Consultant

- Constructed the Dynamic Computable General Equilibrium (DCGE) model for analyzing labor migration impacts
- Simulation results published in a special report jointly by OECD and ILO (December 2017)

Fiscal Policy Research Institute, Ministry of Finance, Bangkok, Thailand

Summer 2006 – 2016

Economist

- Managed the economic model and policy framework for food-fuel security in NESDB's 11th National Development Plan
- Constructed CGE models for evaluating government policies across various ministries

The World Bank, Bangkok, Thailand

April 2011 – April 2012

Contracted Consultant

- Developed CGE model to analyze national productivity improvement policies
- Co-authored the paper “Macro-Micro Simulations of Shared Growth Strategies in Thailand”

Ministry of Science and Technology, Bangkok, Thailand

July 2008 – September 2011

Policy Analyst

- Evaluated policies for national science and technology development

- Assistant to the Permanent Secretary

The Secretariat of the Cabinet, The Royal Thai Government

November 2008 – January 2009

Working Staff for the Deputy Prime Minister

- Assisted in formulating national economic policies
- Drafted speeches and policy briefs for press distribution

Bank Indonesia, Jakarta, Indonesia

Summer 2007

Lecturer

- Delivered a lecture series on Financial CGE model construction to researchers and statisticians

Cornell University, Ithaca, NY, USA

Fall 2002 – Spring 2007

Teaching Assistant

- Assisted in preparing class materials and grading for graduate-level courses
- Held office hours and managed course websites
 - **Courses Taught:**
 - NBA 524: Macroeconomics and International Trade
 - NBA 595: Economics of Financial Crises
 - CRP 395/639: Regional Economic Impact Analysis
 - CRP 538: Quantitative Methods for Policy Planning

Chula Research Institute, Chulalongkorn University, Bangkok, Thailand

Summer 2005

Economist

- Conducted financial modeling for the privatization of the Provincial Electricity Authority (PEA)

ESCAP, The United Nations, Bangkok, Thailand

Summer 2002

Intern (Junior Economist)

- Researched the effects of telecommunication market liberalization on rural tele-density in 35 countries

The Industrial Finance Corporation of Thailand (IFCT)

1999 – 2000

Technical Analyst

- Conducted feasibility studies for industrial projects
- Supervised debt restructuring and plant production analysis for industries

National Committees and Subcommittees

- Subcommittee Member of the Subcommittee on Economic Statistics, the Ministry of Digital Economy and Society

2023 – Present

- Board Member of the Public Policy and Development Institute, Phraya Suriyanuwat Foundation, National Economic and Social Development Council (NESDC)

2021 – Present

- Subcommittee Member on Policy and Planning, Higher Education Commission, Ministry of Higher Education, Science, Research, and Innovation
2020 – Present

- Expert in the National Committee for Sustainable Development (Appointed by Prime Minister's Order, dated February 28, 2020).
2020 – 2023

Honors/Awards

- **Thailand National Research Award: Doctoral Dissertation Award in Economics (co-recipient as the thesis advisor)**
2025
 - Awarded by the National Research Council of Thailand.
- **Wiley Top Cited Paper**
2024
 - Recognized as a Top Cited Article (2022–2023) in *Regional Science Policy & Practice*
Title: Analysis of Spatial Inequality Using DMSP-OLS Nighttime-Light Satellite Imageries: A Case Study of Thailand
(Among works published between January 1, 2022, and December 31, 2023)
- **National Research Award (Economics Field)**
2023
 - Awarded by the National Research Council of Thailand
- **Fellow, The Royal Thai Government Scholarship**
2001–2007
 - The national academic award providing full financial support in graduate studies
- **Fellow, Cornell Graduate School and Mario Einaudi Center for International Studies**
Summer 2006 and 2007
 - Recipient of the Einaudi Research Grant for studies on:
 - “The Impacts of Oil Shocks on Asian Countries” (2006)
 - “Impacts of Aggregate Supply and Aggregate Demand Policies on East-Asia Countries” (2007)
- **Tokai University Academic Exchange Program**
Summer 1998
 - Selected as one of eight students (out of 601) to conduct research in Optical Surface Mount Technology at Opto Laboratory, Tokai University, Japan
- **National Rank, National Pre-Test for High School Entrance Examination**
1992
 - Ranked 1st out of 706 students in Nonthaburi Province
 - Ranked 3rd out of 3,008 students in the Central Region
 - Ranked 50th out of 12,344 students nationwide

Students Under Supervision (Main Advisor)

- **Pawarid Piyajitmetta**
 - Award: Winner, 2025 Bank of Thailand Student Research Competition
- **Nutchapon Prasertsoong**
 - *National Research Award 2025*: Doctoral Dissertation Award in Economics, National Research Council of Thailand
 - *Second Prize*, 2023 Bank of Thailand Student Research Competition

- *Best Dissertation*, 2022 in Sociology, Thammasat University
- **Rapeeporn Santimalai and Panchanok Siripanich**
 - *Honorable Mention*, 2024 Bank of Thailand Student Research Competition
- **Pankorn Intananchai and Riyana Amesiritananant**
 - *Honorable Mention*, 2022 Bank of Thailand Student Research Competition
- **Kansinee Jaroenkitwatcharachai**
 - *Second Prize*, 2021 Bank of Thailand Student Research Competition
- **Supakij Saisopon**
 - *Best Master Thesis (Second Prize)*, 2020 in Sociology, Thammasat University
- **Zin Zin Shwe**
 - *Best Dissertation*, 2019 in Sociology, Thammasat University
- **Rangsima Srisawat and Pirapat Pareeratanasomporn**
 - *Third Prize*, 2018 Bank of Thailand Student Research Competition
- **Pitchaporn Sriphanomsak**
 - *Honorable Mention*, 2018 Bank of Thailand Student Research Competition
- **Jetson Chitdecha and Nattawan Pitakkochakorn**
 - *Third Prize*, 2017 Bank of Thailand Student Research Competition
- **Punyawich Sessomboon**
 - *Third Prize*, 2016 Bank of Thailand Student Research Competition
- **Ratchanon Chotiputsilp**
 - *Third Prize*, 2015 Bank of Thailand Student Research Competition

Publications

Note: Further details of publications are available at:

https://www.researchgate.net/profile/Nattapong_Puttanapong

<https://www.webofscience.com/wos/author/record/2814308>

<https://orcid.org/0000-0002-5643-7979>

<https://scholar.google.co.th/citations?user=Btx0U58AAAAJ&hl=en>

<https://www.scopus.com/authid/detail.uri?authorId=57074837000>

Journal Articles

Qin, D., & Puttanapong, N. (2026). Evaluating LJ1-01 nighttime light data for economic analysis at China's county level. *Remote Sensing Letters*, 17(3), 324–335. <https://doi.org/10.1080/2150704X.2026.2629349>

Supotina, S., Pooseesod, K., Silawan, T., Puttanapong, N., & Saita, S. (2026). Spatial Clustering and Determinants of Dengue Incidence Among the Young Population of Northern Thailand During the COVID-19 Pandemic. *Nakhara: Journal of Environmental Design and Planning*, 25(1), Article 601. <https://doi.org/10.54028/NJ202625601>

Qin, D., & Puttanapong, N. (2025). Estimating county-level digital economy development in China using satellite data: insights from explainable spatial machine learning. *Geocarto International*, 40(1), 2596971. <https://doi.org/10.1080/10106049.2025.2596971>

Piyajitmetta, P., Puttanapong, N. (2025) Structural path analysis of the Thai economy focusing on land rent. *Journal of Economic Structures*, 14, 21. <https://doi.org/10.1186/s40008-025-00364-3>

- Prasertsoong, N., & Puttanapong, N. (2025). Urban Land Expansion and Economic Development in Thailand from 2000 to 2020. *Nakhara: Journal of Environmental Design and Planning*, 24(3), Article 517. <https://doi.org/10.54028/NJ202524517>
- Puttanapong, N., Nuengjumnon, N., Sae Jung, J., & Moukomla, S. (2025). A 36-year geospatial analysis of urbanization dynamics and surface urban heat island effect: Case study of the Bangkok Metropolitan Region. *Geography and Sustainability*, 6(4), Article 100322. <https://doi.org/10.1016/j.geosus.2025.100322>
- Piyajitmetta, P., & Puttanapong, N. (2025). Economy-wide effects of the land redistribution policies in Thailand: A computable general equilibrium model. *Letters in Spatial and Resource Sciences*, 18(1). <https://doi.org/10.1007/s12076-025-00414-1>
- Farooq, A., Bjørn, A., Hauschild, M., Puttanapong, N., & Gheewala, S. H. (2025). A planetary boundaries-based assessment of waste-to-energy technologies for sustainable waste management in Thailand. *Sustainable Production and Consumption*, 57, 153–166. <https://doi.org/10.1016/j.spc.2025.05.018>
- Prasertsoong, N., & Puttanapong, N. (2025). An integrated framework for satellite-based flood mapping and socioeconomic risk analysis: A case of Thailand. *Progress in Disaster Science*, 25, 100393. <https://doi.org/10.1016/j.pdisas.2024.100393>
- Prasertsoong, N., & Puttanapong, N. (2025). Predicting urban land expansion and local economic growth by integrating CLUE-S and economic model: An application to Ban Chang District, Thailand. *Journal of Geovisualization and Spatial Analysis*, 9(7). <https://doi.org/10.1007/s41651-024-00204-1>
- Puttanapong, N., & Lim, S. (2024). Predicting household expenditure using machine learning techniques: A case of Cambodia. *Nakhara: Journal of Environmental Design and Planning*, 23(3), Article 421. <https://doi.org/10.54028/NJ202423421>
- Tang, S. H., Puttanapong, N., Tontisirin, N., Punnoi, N., & Anantsuksomsri, S. (2024). Relationship between job locations and willingness to relocate of slum dwellers: A case study of Klong Toei communities in Bangkok. *International Review for Spatial Planning and Sustainable Development*, 12(4), 253-278. https://doi.org/10.14246/irspsd.12.4_253
- Peechapat, W., & Puttanapong, N. (2024). Collaboration and competition: A social network analysis of Thailand's music industry. *Economies*, 12(2), 45. <https://doi.org/10.3390/economies12020045>
- Onprasonk, S., Laohasiriwong, W., & Puttanapong, N. (2024). Spatial association between environmental factors and melioidosis in Thailand. *EnvironmentAsia*, 17(1), 148-160. <https://doi.org/10.14456/ea.2024.13>
- Puttanapong, N., Prasertsoong, N., & Peechapat, W. (2023). Predicting provincial GDP by using satellite data and machine learning methods. *Asian Development Review*, 40(2), 39-85. <https://doi.org/10.1142/S0116110523400024>
- Sakti, A. D., Rohayani, P., Izzah, N. A., et al. (2023). Spatial integration framework of solar, wind, and hydropower energy potential in Southeast Asia. *Nature - Scientific Reports*, 13, 340. <https://doi.org/10.1038/s41598-022-25570-y>

- Prasertsoong, N., & Puttanapong, N. (2022). Regional Wage Differences and Agglomeration Externalities: Micro Evidence from Thai Manufacturing Workers. *Economies*, 10(12), 319. <http://dx.doi.org/10.3390/economies10120319>
- Tappo, S., Laohasiriwong, W., & Puttanapong, N. (2022). Spatial association of socio-demographic, environmental factors and prevalence of diabetes mellitus in middle-aged and elderly people in Thailand. *Geospatial Health*, 17(2). <https://doi.org/10.4081/gh.2022.1091>
- Inthisorn, P., & Puttanapong, N. (2022). Associations between mobility indices and the COVID-19 pandemic in Thailand. *Nakhara: Journal of Environmental Design and Planning*, 21(2), Article 215. <https://doi.org/10.54028/NJ202221215>
- Sangkasem, K., & Puttanapong, N. (2022). Analysis of spatial inequality using DMSP-OLS nighttime-light satellite imageries: A case study of Thailand. *Regional Science Policy & Practice*. 14(4):828-849 <https://doi.org/10.1111/rsp3.12386>.
- Ayaragarnchanakul, E., Creutzig, F., Javaid, A., & Puttanapong, N. (2022). Choosing a Mode in Bangkok: Room for Shared Mobility? *Sustainability*, 14(15), 9127. <http://dx.doi.org/10.3390/su14159127>
- Puttanapong, N., Martinez, A., Jr., Bulan, J.A.N., Addawe, M., Durante, R.L., & Martillan, M. (2022). Predicting poverty using geospatial data in Thailand. *ISPRS International Journal of Geo-Information*, 11(5), 293. <https://doi.org/10.3390/ijgi11050293>
- Puttanapong, N., Luenam, A., & Jongwattanakul, P. (2022). Spatial analysis of inequality in Thailand: Applications of satellite data and spatial statistics/econometrics. *Sustainability*, 14(7), 3946. <http://dx.doi.org/10.3390/su14073946>
- Luenam, A., & Puttanapong, N. (2022). Spatial association between COVID-19 incidence rate and nighttime light index. *Geospatial Health*, 17(s1). <https://doi.org/10.4081/gh.2022.1066>
- Haputta, P., Bowonthumrongchai, T., Puttanapong, N., & Gheewala, S. H. (2022). Effects of biofuel crop expansion on green Gross Domestic Product. *Sustainability*, 14(6), 3369. <http://dx.doi.org/10.3390/su14063369>
- Phomsoda, K., Puttanapong, N., & Piantanakulchai, M. (2021). Economic impacts of Thailand's biofuel subsidy reallocation using a dynamic Computable General Equilibrium (CGE) model. *Energies*, 14(8), 2272. doi:10.3390/en14082272
- Phomsoda, K., Puttanapong, N., & Piantanakulchai, M. (2021). Assessing Economic Impacts of Thailand's Fiscal Reallocation between Biofuel Subsidy and Transportation Investment: Application of Recursive Dynamic General Equilibrium Model. *Energies*, 14(14), 4248. doi:10.3390/en14144248
- Kachenchart, B., Kamlangkla, C., Puttanapong, N., & Limsakul, A. (2021). Urbanization effects on surface air temperature trends in Thailand during 1970-2019. *Environmental Engineering Research*, 26(5), 200378. <https://doi.org/10.4491/eer.2020.378>
- Puttanapong, N., Martinez Jr., A. M., Addawe, M., Bulan, J., Durante, R. L., & Martillan, M. (2020). Predicting poverty using geospatial data in Thailand. *Asian Development Bank Working Paper Series*, No. 630. Manila: Asian Development Bank (ADB). <http://dx.doi.org/10.22617/WPS200434-2>

- Luenam, A., & Puttanapong, N. (2020). Modelling and analyzing spatial clusters of leptospirosis based on satellite-generated measurements of environmental factors in Thailand during 2013-2015. *Geospatial Health*, 15(2), 217-224. <https://doi.org/10.4081/gh.2020.856>
- Haputta, P., Puttanapong, N., Silalertruksa, T., Bangviwat, A., Prapasongsa, T., & Gheewala, S. H. (2020). Sustainability analysis of bioethanol promotion in Thailand using a cost-benefit approach. *Journal of Cleaner Production*, 251, 119756. <https://doi.org/10.1016/j.jclepro.2019.119756>
- Puphapun, W., Laohasiriwong, W., Thinkhamrop, W., Puttanapong, N., & Suwannaphant, K. (2019). Socioeconomic disparity and musculoskeletal disorders: The national socioeconomics survey, 2010 and 2012. *Journal of Clinical and Diagnostic Research*, 13(12), LC01-LC05.
- Thanakanjanaphakdee, W., Laohasiriwong, W., & Puttanapong, N. (2019). Spatial distribution of dentists in Thailand. *Journal of International Oral Health*, 11, 340-346. https://doi.org/10.4103/jioh.jioh_186_19
- Kingsawad, K., Krongthamchat, K., Puttanapong, N., Tangsawad, S., & Liang, S. (2019). The spatio-temporal distribution of malaria in Thailand from 2006-2015. *Journal of Communicable Diseases*, 51(2), 45-53.
- Puttanapong, N., & Zin, S. Z. (2019). Spatial inequality in Myanmar during 1992-2016: An application of spatial statistics and satellite data. *Social Science Review*, 156 (Special Issue on Mekong Economy), 159-180.
- Kaenchan, P., Puttanapong, N., Bowonthumrongcha, T., Limskul, K., & Gheewala, S.H. (2019). Macroeconomic modeling for assessing sustainability of bioethanol production in Thailand. *Energy Policy*, 127, 361-373. <https://doi.org/10.1016/j.enpol.2018.12.026>
- Luenam, A., & Puttanapong, N. (2019). Spatial and statistical analysis of leptospirosis in Thailand from 2013 to 2015, *Geospatial Health*, 14(1), 121-127. DOI: 10.4081/gh.2019.739
- Chuenchum, P., Puttanapong, N., Suttinon, P., & Ruangrassamee, P. (2018). Cross-sectoral analysis of water usage in Thailand using input–output model. *Engineering Journal*, 22(6), 93-115. DOI: <https://doi.org/10.4186/ej.2018.22.6.93>
- Tanompongphandh T., Puttanapong N., & Rakwatin P. (2018). Exploring optimal hedging strategy in Thai rice pledging scheme policy. *International Journal of Economic Policy in Emerging Economies*, 11(3), 198-208.
- Laohasiriwong, W., Puttanapong, N., & Singsalasang, A. (2018). Prevalence of hypertension in Thailand: Hotspot clustering detected by spatial analysis. *Geospatial Health*, 13(1), 20-27. <https://doi.org/10.4081/gh.2018.608>
- Luenam, A., Laohasiriwong, W., Puttanapong, N., Saengsuwan, J., & Phajan, T. (2018). Socioeconomic disparities and chronic respiratory diseases in Thailand: The national socioeconomics survey. *Informatics for Health and Social Care*, 43(10), 1-14. DOI: 10.1080/17538157.2017.1363760

- Laohasiriwong, W., Puttanapong, N., & Luenam, A. (2017). A comparison of spatial heterogeneity with local cluster detection methods for chronic respiratory diseases in Thailand. *F1000 Research*, 6:1819. DOI: 10.12688/f1000research.12128.2
- Singsalasang, A., Laohasiriwong, W., Puttanapong, N., Phajan, T., & Boonyaleephan, S. (2017). Socioeconomic disparities in income, education and geographic location for hypertension among Thai adults: Results from the national socioeconomic survey, *F1000 Research*, 6:1836. DOI: 10.12688/f1000research.12709.1
- Suwannaphant, K., Laohasiriwong, W., Puttanapong, N., Saengsuwan, J. & Phajan, T. (2017). Association between socioeconomic status and diabetes mellitus: The national socioeconomics survey, 2010 and 2012. *Journal of Clinical and Diagnostic Research*, 11(18), 18-22. DOI: 10.7860/JCDR/2017/28221.10286
- Anutrakulchai, T., & Puttanapong, N. (2016). The long-horizon invalidity of uncovered interest parity (UIP) after the global financial crisis: The case of Thailand and Singapore using panel cointegration test. *International Journal of Applied Business and Economic Research*, 14(5), 3247-3263.
- Tangpornpaiboon, S., & Puttanapong, N. (2016). Global financial crisis and financial contagion: An empirical evidence of the US, Canada, UK, Germany, Italy, France and Spain. *Journal of Administrative and Business Studies*, 2(1), 48-55. <https://doi.org/10.20474/jabs-2.1.5>
- Puttanapong N., Wachirangsrikul S., Phonpho W., & Raksakulkarn, V. (2015). A Monte Carlo dynamic CGE model for the impact analysis of Thailand's carbon tax policies. *Journal of Sustainable Energy & Environment*, 6, 43-53. <https://thaiscience.info/Journals/Article/JOSE/10985113.pdf>
- Puttanapong, N. (2013). Impacts of climate change on major crop yield and the Thai economy: A nationwide analysis using static and Monte-Carlo Computable General Equilibrium models. *Thailand and The World Economy*, 31(3), 68–87. <https://so05.tci-thaijo.org/index.php/TER/article/view/137208> and <https://doi.org/10.14456/tej.2013.10>
- Suttiwichienchot, A., & Puttanapong, N. (2014). A study on internal labor movement and policy multiplier in Thailand. *Eurasian Journal of Economics and Finance*, 3(3), 57-68. <https://doi.org/10.15604/ejef.2014.02.03.004>
- Azis, I.J., & Puttanapong, N. (2009). Revisiting output-price relations in East Asia. *China-USA Business Review*, 8(1), 1-11.
- Azis, I.J., & Puttanapong, N. (2008). A regional trend towards a basket peg system, *International Journal of Trade and Global Markets*, 1(2), 144–162. <https://doi.org/10.1504/IJTGM.2008.018444>
- Puttanapong, N. (2007). Does the privatization benefit consumers?: The empirical study in the local telephone service. *Siam Academic Review*, 10, 71–88.
- Puttanapong, N., Dejhan, K., & Kopayacmintr, V. (1999). Email to fax gateway, *Ladkrabang Engineering Journal*, 16(4), 65-69.

Books and Book Chapters

- Puttanapong, N., & Sangsubhan, K. (2024). Impact analysis of the Economic Eastern Corridor on the Thai economy: An application of multi-regional input–output model and dynamic computable general equilibrium model. In B. P. Resosudarmo & Y. Mansury (Eds.), *The Indonesian economy and the surrounding regions in the 21st century* (Vol. 76, New Frontiers in Regional Science: Asian Perspectives). Springer, Singapore. https://doi.org/10.1007/978-981-97-0122-3_11
- Puttanapong, N. & Andersson, M. (2022). Thailand. In: Andersson, M., Palm, P., Bohman, H., Balivet, B., & Akinsomi, O. (Eds.), *The Routledge Companion to International Housing Markets*. New York: Routledge. <https://doi.org/10.1201/9781003130383>
- ณัฐพงษ์ พัฒนพงษ์ (2563). การวิเคราะห์โครงสร้างและผลกระทบทางเศรษฐกิจด้วยตารางบัญชีการผลิตและผลผลิตและตารางบัญชีเมตริกซ์สังคม [Structural and Impact Analyses using Input-Output Table and Social Accounting Matrix]. Thammasat Printing House, ISBN: 978-616-577-238-9. (in Thai language). https://digital.library.tu.ac.th/tu_dc/frontend/Info/item/dc:187573
- Shibusawa, H., Anantsuksomsri, S., Tontisirin, N., & Puttanapong, N. (2018). Evaluating the spatial linkages of Thailand's inter-provincial economies and industries: An input-output approach. In: Y. Komaki (Ed.), *The Future of Southeast Asian Countries – Population Change, Climate Change, Management of Japanese Companies and Competitiveness*. Tokyo: Yachiyo Shuppan.
- Puttanapong, N. (2018). Monocentric growth and productivity spillover in Thailand. In: K. Souknilanh (Ed.), *Measuring Urbanization in ASEAN from Space*, Institute of Developing Economies - Japan External Trade Organization (IDE-JETRO), Bangkok Research Center, Bangkok: IDE-JETRO. https://www.ide.go.jp/library/English/Publish/Reports/Brc/pdf/23_03.pdf
- Sparreboom, T., Puttanapong, N., Limskul, K., & Bowonthumrongchai, T. (2017). How immigrants affect the labour market in Thailand, In: *How Immigrants Contribute to Thailand's Economy*, Paris: OECD Publishing. <https://doi.org/10.1787/9789264287747-en>
- Anantsuksomsri S., Puttanapong N., & Tontisirin N. (2017). Global backward and forward multiplier analysis: The case study of Japanese automotive industry. In: H. Shibusawa, K. Sakurai, T. Mizunoya, & S. Uchida (Eds.), *Socioeconomic Environmental Policies and Evaluations in Regional Science. New Frontiers in Regional Science: Asian Perspectives*, Vol. 24, Singapore: Springer. https://doi.org/10.1007/978-981-10-0099-7_17
- Chantararat S., Pannangpetch K., Puttanapong N., & Tanompongphandh T. (2014). Index-based risk financing and development of natural disaster insurance programs in developing Asian countries. In: D.P. Aldrich et al. (Eds.), *Resilience and Recovery in Asian Disasters. Risk, Governance and Society, vol 18*. Springer, Tokyo. https://doi.org/10.1007/978-4-431-55022-8_9

Conference Papers

- Puttanapong, N., & Prasertsoong, N. (2024). An integrated framework for satellite-based flood mapping and socioeconomic risk analysis: A case of Thailand. *International*

- Conference on Big Data for Disaster Response and Management in Asia and the Pacific*, February 15 -17, 2024, Tohoku University, Sendai, Japan.
- Puttanapong, N., Martinez, A. M. Jr., Bulan, J. A. N. M., Mag-Atas, J. P., & Garonita, O. L. C. (2024). Impact of road quality on Thailand's socioeconomic development: A machine learning perspective. *The ADB Economists' Forum*, January 17-19, 2024. ADB Headquarters and via Zoom Meeting.
- Puttanapong, N. (2024). Spatial analysis of inequality and urbanization in Thailand. *Kyoto University's Asian Economic Development Seminar (AEDS)*. November 27, 2023. Center for Southeast Asian Area Studies (CSEAS), Kyoto University (via Zoom Meeting)
- Puttanapong N. & Lim, S. (2023) Predicting household socioeconomic status using satellite data: A case of Cambodia. *The 18th International Convention of the East Asian Economic Association (EAEA)*, October 21-22, 2023, Seoul National University (SNU), Seoul, Korea.
- Puttanapong, N., Prasertsoong, N., & Peechapat, P. (2022). Predicting provincial GDP by using satellite data and machine learning methods: Case study of Thailand. *Asian Economic Development Conference*. July 14-15, 2022. Asian Development Bank Institute (ADBI), Tokyo, Japan.
- Puttanapong, N. (2021). Forecasting household electricity demand using machine learning algorithms: A case of Thailand, *Conference Proceedings: The 2nd International Conference on Energy and AI*, August 10-12, 2021, Imperial College London, UK.
- Puttanapong, N., & Jongwattanakul, P. (2019). Examining the spatial structure of employment in Thailand during 1978-2017: An application of network analysis. *Proceedings of the 16th Pacific Regional Science Conference Organization (PRSCO)*, 82-100.
- Puttanapong, N. (2018). The network analysis of interlocking directors: The case of Thailand's listed companies. *The 24th Eurasia Business and Economics Society Conference Proceedings, 1*, 329-362.
- Puttanapong, N. (2018). The analysis of Thailand's embodied natural resources in international trade (การวิเคราะห์การใช้ทรัพยากรของภาคการผลิตไทยที่ส่งต่อไปยังห่วงโซ่อุปทานการผลิตโลก), *The 40th Annual Symposium, Faculty of Economics, Thammasat University*.
- Puttanapong N., Chitdecha, J., & Pitakkochakorn, N. (2017). Examining the geographical spillover of industrial and commercial activities on residential expansion in Thailand: An application of spatial econometrics and satellite data, *Japan Association for Applied Economics - Spring Conference 2017, Kurume University, Fukuoka, Japan*.
- Puttanapong, N. (2017). The spatial perspective of economic structure: An evolution of Thai economy during 1992-2012 using DMSP/OLS satellite data (มองโครงสร้างเศรษฐกิจบนมิติภูมิสารสนเทศ: ลักษณะเปลี่ยนแปลงของเศรษฐกิจไทยจากการศึกษาข้อมูลภาพถ่ายดาวเทียม DMSP/OLS ในช่วงปี พ.ศ. 2535-2556). *The 39th Annual Symposium, Faculty of Economics, Thammasat University*.
- Puttanapong N. (2016). Tracing and quantifying influences of fossil fuels in Thailand's economic structure using multiplier and structural path analysis. *The 4th International Input-Output Conference, July 4-8, 2016, Yonsei University, Seoul, South Korea*.
- Puttanapong, N. (2016). Tracing Thailand's linkages to global supply chain: Applications of world input-output database (WIOD) and structural path analysis. *International Journal of Applied Business and Economic Research*, 14(1), 411-438.
- Puttanapong, N. (2016). Impacts of GVC participation on productivity and wage: The Case of Thailand. *Key Indicators for Asia and the Pacific 2016 Conference on Labor Markets in Asia: How Trade, Technology, and Regulations are Shaping Asia's Quest for Good Jobs, January 13 – 15, 2016, Asian Development Bank, Manila, The Philippines*.
- Anantsuksomsri, S., Puttanapong, N. & Tontisirin, N. (2015). Global backward and forward multiplier analysis: The case study of Japanese automotive industry', *The 52nd Annual*

Meeting of the Japan Section of the Regional Science Association International, October 11, 2015, Okayama University, Japan.

- Anutrakulchai, T., & Puttanapong, N. (2015). The long-horizon invalidity of uncovered interest parity (UIP) after the global financial crisis: The case of Thailand and Singapore using panel cointegration test. *The 2nd International Conference on Multidisciplinary Trend in Academic Research, September 29, 2015, Bangkok, Thailand.*
- Tangpornpaiboon S., & Puttanapong N. (2015). Global financial crisis and financial contagion: An empirical evidence of the US, Canada, UK, Germany, Italy, France and Spain. *The 2nd International Conference on Multidisciplinary Trend in Academic Research, September 29, 2015, Bangkok, Thailand.*
- Puttanapong N. (2015). Tracing and quantifying Thailand's linkages to the global supply chain: The modification of world input-output database (WIOD) and the applications of Leontief multiplier and structural path analysis. *Singapore Economics Review Conference, August 5 -7, 2015, Singapore.*
- Limskul K., Puttanapong N., & Bowonthumrongchai T. (2015). AEC integration and internal migration: A dynamic CGE model approach. *International Conference on ASEAN Studies (ICONAS 2), August 2015, Chulalongkorn University, Bangkok, Thailand.*
- Tanompongphandh T., Puttanapong N., & Rakwatin P. (2015). Exploring optimal hedging strategy in Thai rice pledging scheme policy. *SIBR Conference on Interdisciplinary Business and Economic Research, July 2-3, 2015, Osaka, Japan.*
- Puttanapong, N. (2013). Impacts of climate change on major crop yield and the Thai economy: A nationwide analysis using static and Monte-Carlo Computable General Equilibrium models. *The 23rd Pacific Conference of the Regional Science Association International (RSAI), Bandung, Indonesia.*

Book Review

- Puttanapong, N. (2021). BOOK REVIEW: China: Surpassing the middle-income trap. *Asian Journal of Agriculture and Development, 18(1): 121-122.*
<https://doi.org/10.37801/ajad2021.18.1.b1>

Technical Reports

- ณัฐพงษ์ พัฒนพงษ์, อมรรัตน์ ลือนาม, พิชญ์ จงวัฒนากุล. การวิเคราะห์ความเหลื่อมล้ำในประเทศไทยโดยใช้ข้อมูลดาวเทียมและภูมิสารสนเทศ. (2563). [*Spatial analysis of inequality in Thailand: Applications of satellite data and geographic information system (GIS)*]. สำนักงานคณะกรรมการส่งเสริมวิทยาศาสตร์ วิจัยและนวัตกรรม. [Thailand Research Fund]. <https://dric.nrct.go.th/Search/ShowFulltext/2/309496>

Award: The National Research Award (Economics field) 2023

- พงษ์ศักดิ์ สุทธินนท์, สุจริต คุณชนกุลวงศ์, วิภาดา วรหัตถ์บุรุษวิทย์, พงษ์สันต์ บัณฑิตสกุลชัย, ณัฐพงษ์ พัฒนพงษ์, ปิยธิดา เรืองรัมย์, โชคชัย สุทธิธรรมจิต. (2563). รายงานวิจัยฉบับสมบูรณ์ โครงการการพัฒนาฐานข้อมูลและแบบจำลอง Water-Food-Energy Nexus เพื่อใช้ประเมินการวางแผนพัฒนาอย่างยั่งยืน. [*Developing a database and model of the Water-Food-Energy Nexus to assess sustainable development planning*]. สำนักงานคณะกรรมการส่งเสริมวิทยาศาสตร์ วิจัยและนวัตกรรม. [Thailand Science Research and Innovation]. <https://dric.nrct.go.th/Search/ShowFulltext/2/309496>

- ณัฐพงษ์ พัฒนพงษ์, โสมรัมย์ จันทรัตน์, ปรีสาร รักวาทิน, ชนสิน ฉนวนพงษ์พันธ์. 2547. โครงการการศึกษากลไกการบริหารจัดการความเสี่ยงของภาคส่วนเกษตรต่อสภาวะรุนแรงโดยระบบประกันภัยพิบัติ: กรณีศึกษาระบบเพาะปลูกข้าว [*The Study of Agricultural Risk Management Mechanism for Preparation toward Extreme Weather Conditions using*

Crop Insurance: The Case Study of Thailand's Rice Cultivation]. สำนักงานคณะกรรมการส่งเสริมวิทยาศาสตร์ วิจัยและนวัตกรรม. [Thailand Science Research and Innovation].
https://elibrary.tsri.or.th/project_content.asp?PJID=RDG5530013

Limskul, K., & Puttanapong N. (2018). Asia's social infrastructure demand estimate: The case of Thailand, JICA Research Institute, Tokyo, Japan. https://www.jica.go.jp/jica-ri/publication/booksandreports/175nbg00000wkwfum-att/Thailand_full.pdf

Guest Speaker and Resource Person

- **Unit End-Year Workshop 2025: Data-Oriented Approaches to the Social Sciences and Humanities**
March 5, 2025
Data-Oriented Area Studies Unit (DASU) and Center for Southeast Asian Area Studies (CSEAS), Kyoto University, Japan
- **Kyoto University's Asian Economic Development Seminar (AEDS)**
December 13, 2024
Center for Southeast Asian Area Studies (CSEAS), Kyoto University, Japan
- **Regional Capacity Building on Small Area Estimation (SAE)**
October 22 – December 4, 2024
ASEAN Secretariat
- **Digital Transformation in Spatial Economics: Opportunities and Challenges**
October 4-5, 2024
Bandung Institute of Technology, Bandung, Indonesia
- **UN ESCAP's Expert Group Meetings on Understanding the Impacts of Climate Change on Economies in Asia and the Pacific**
September 30 – October 2, 2024
United Nations Conference Centre, Bangkok, Thailand
- **2nd Session of Knowledge Sharing on Small Area Estimation (SAE)**
March 15, 2024
ASEAN Community Statistical System Sub-Committee on Planning and Coordination
- **Unit End-Year Workshop 2024: Data-Oriented Approaches to the Social Sciences and Humanities**
March 8, 2024
Data-Oriented Area Studies Unit (DASU) and Center for Southeast Asian Area Studies (CSEAS), Kyoto University (via Zoom)
- **ADB's International Conference: Big Data for Disaster Response and Management in Asia and the Pacific**
February 15-17, 2024
Tohoku University, Japan
- **ADB Economists' Forum 2024**
January 17-19, 2024
ADB Headquarters, Manila, The Philippines (via Zoom)
- **Kyoto University's Asian Economic Development Seminar (AEDS)**
November 27, 2023
Center for Southeast Asian Area Studies (CSEAS), Kyoto University (via Zoom)
- **ADB's Regional Workshop on Using Remote Sensing Data and Machine Learning for Monitoring Road Quality and SDG Indicators**

- August 24, 2023*
Faculty of Economics, The University of Tokyo, Japan
- **Public Lecture on "Economics of Carbon Pricing"**
August 11, 2023
Faculty of Economics & Business, University of Indonesia, Indonesia
 - **International Workshop on Data-Oriented Approaches to Social Sciences and Humanities**
March 1, 2023
Center for Southeast Asian Area Studies (CSEAS), Kyoto University, Japan
 - **Methods and Practices of Big Data Processing for Social Scientists**
January 6-8, 2023
IDE-JETRO Headquarters, Chiba, Japan
 - **Predicting and Mapping MPI Using Geospatial and Combined Disparate Data**
November 22, 2021
Oxford Poverty and Human Development Initiative (University of Oxford), Human Development Report Office (UNDP), and Institute of International Economic Policy (George Washington University) (via Zoom)
 - **Workshop: GIS for Economists – Quantum GIS & GeoDa**
April 15-16, 2019
Faculty of Economics, Saitama University, Japan
 - **ADB's R-CDTA 8838: Updating and Constructing the Supply and Use Tables for Selected Developing Member Countries**
September 26-28, 2018
Le Méridien Hotel, Chiang Mai, Thailand
 - **UN ESCAP's Symposium on Preferential Trade Agreements and Inclusive Trade**
December 14-15, 2017
Novotel Bangkok Ploenchit Sukhumvit, Bangkok, Thailand
 - **OECD, ILO, and EC's Launch of the Report 'How Immigrants Contribute to Thailand's Economy'**
November 19, 2017
VIE Hotel Bangkok, Thailand
 - **ADB's Emerging Carbon Market Mechanisms: A Regional Workshop for Capacity Development**
August 22-23, 2017
Hilton Hanoi Opera, Hanoi, Viet Nam
 - **Workshop on Key Indicators for Asia and the Pacific 2017**
January 8-10, 2017
ADB Headquarters, Manila, The Philippines
 - **APEC Workshop: Building a Strategic Framework for the APEC TiVA Database under GVCs**
October 17-21, 2016
Bangkok, Thailand
 - **ADB's Workshop on Updating and Constructing the Supply and Use Table for Developing Member Economies**
June 27 – July 1, 2016
Bangkok, Thailand
 - **Brainstorming Workshop on "Future of Asian Cities: Geography of Jobs"**
April 21-22, 2016
ADB Headquarters, Manila, The Philippines
 - **Inception Workshop on "Achieving Skills Mobility in ASEAN under the AEC"**
February 11-12, 2016
ADB Headquarters, Manila, The Philippines

- **Workshop on "Labor Markets in Asia: How Trade, Technology, and Regulations Shape Asia's Quest for Good Jobs"**
January 13-15, 2016
ADB Headquarters, Manila, The Philippines

Graduate Student Supervision

Main Advisor (Ph.D. Programs)

- Pawarid Piyajitmetta. *Economic Analysis of Land Rent: A Case Study of Thailand Using Social Accounting Matrix (SAM) and Computable General Equilibrium (CGE) Model*
Award: Winner, 2025 Bank of Thailand Student Research Competition
Job Placement: Ministry of Finance, Thailand
- Nutchapon Prasertsoong (2022). *Spatial Analysis of Urbanization and Economic Development in Thailand*.
Awards: 2022 Best Dissertation in Sociology, Thammasat University
2023 Bank of Thailand Student Research Competition (Second Prize)
2025 Doctoral Dissertation Award in Economics, National Research Council of Thailand
Job Placement: Faculty member, Faculty of Economics, Thammasat University
- Wichaya Peechapat (2022). *Analysis of Music Industries and Economics in Thailand*.
- Zin Zin Shwe (2019). *Spatial Analysis of Poverty and Inequality in Myanmar*.
Award: Best Dissertation 2019 in Sociology, Thammasat University
Job Placement: Associate Professor, Yangon Institute of Economics, Myanmar

Thesis Committee (Ph.D. Programs)

- Yannan Gao (2023). *Huai-River Policy and Regional Economic Development: Status and Prospect*.
- Naphalai Poonsiri (2023). *Spatial Association between Socioeconomic Factors, Physical Geographic Factors, and Suicide in Thailand*.
- Suwattana Onprasonk (2023). *Spatial Association between Physical Geographic Factors and Melioidosis Disease in Thailand*.
- Rungsima Wanitphakdeedecha (2022). *Economic Evaluation of Laser Treatment for Port Wine Stain*.
Job Placement: Professor, Dermatosurgery Division, Faculty of Medicine, Siriraj Hospital, Mahidol University
- Suparat Tappo (2022). *Spatial Association of Socioeconomic, Environmental, and Health Factors with Hypertension and Diabetes Mellitus in Thailand's Adult and Elderly Population*.
- Korrakot Phomsoda (2021). *Impacts of Biofuel Subsidy on Thai Economy Using Dynamic CGE Model*.
- Kunthida Kingsawad (2019). *The Spatial Distribution Modelling of Malaria and Climate Change in Thailand During 2006 – 2015*.
- Wuttikul Thanakanjanaphakdee (2018). *The Spatial Distribution of Dentists and Oral Health Status in Thailand*.
- Kritkantorn Suwannaphant (2017). *Spatial Analysis and Socioeconomic Factors Associated with Diabetes Mellitus in Thailand*.
- Atthawit Singsalasang (2017). *Spatial Analysis and Socioeconomic Status Associated with Hypertension in Thailand*.
- Amornrat Luenam (2017). *Spatial Analysis and Socioeconomic Status Associated with Chronic Respiratory Diseases in Thailand*.

- Autsawin Suttiwichienchot (2015). *Effects of ASEAN Economic Community on the Economy and Labor Market: The Case of Thailand*.
- Pao Virojphan (2014). *Optimal Public Debt and Effects of Institutional Factors in a Liquidity-Constrained Economy: A Dynamic Stochastic General Equilibrium Analysis*.

Main Advisor (Master's Degree Programs)

- Acumsiri Tantikarnpanit (2022). *Urbanization and Income Inequality in Thailand*.
Job Placement: Deposit Protection Agency, Thailand
- Supakij Saisopon (2020). *Economic Expansion and Land Use Change in Thailand: An Environmental Impact Analysis Using Computable General Equilibrium Model*.
Award: Best Master Thesis 2020 (Second Prize) in Sociology, Thammasat University
Job Placement: Ministry of Finance, Thailand
- Perada Dulyapiradis (2020). *Network of FTAs Infatuation: Untangling the Spaghetti Bowl Effect*.
Job Placement: Formerly at UN ESCAP
- Weerayut Suankaew (2020). *Factors Influencing the Difference Between Winning Bid Prices and Construction's Focal Prices Under the Comptroller General's Department: A Case Study of Road Construction Project*.
Job Placement: Ministry of Finance, Thailand
- Pathiphan Tepinta (2019). *Effect of Transportation Development on Urbanization in Thailand*.
Job Placement: Ministry of Agriculture and Cooperatives, Thailand
- Krittaya Sangkasem (2018). *Poverty and Inequality Assessment Using DMSP/OLS Nighttime Light Satellite Imageries at Provincial Level in Thailand*.
Job Placement: Bank of Thailand
- Supnirun Suwannasorn (2018). *The Study of Household's Electricity Demand: Case Study Thailand*.
- Rangsim Srisawat (2017). *Key Sectors and the Propagation of Economic Shocks Through Input-Output Network: A Case Study of Thailand*.
Award: Third Prize, 2018 Bank of Thailand Student Research Competition
Job Placement: Bank of Thailand
- Pirapat Pareeratanasomporn (2017). *A Network Analysis of Thai Economic Structure Through Input-Output Model and Its Link to Macroeconomic Fluctuation*.
Award: Third Prize, 2018 Bank of Thailand Student Research Competition
Job Placement: Faculty of Economics, Thammasat University
- Jetson Chitdecha (2016). *The Effect of Human Capital on Income in Thailand: A Spatial Effect Analysis*.
Award: Third Prize, 2017 Bank of Thailand Student Research Competition
Job Placement: Bank of Thailand
- Nattawan Pitakkochakorn (2016). *Productivity Spillover, FDI, and Industrial Performance in Thailand: A Spatial Econometric Approach*.
Award: Third Prize, 2017 Bank of Thailand Student Research Competition
Job Placement: Bank of Thailand
- Monthon Siritana (2015). *The Effect of Fiscal Indicators on Government Bond Yields: The Case Study of Asia and Emerging Economies*.
Job Placement: Bank of Thailand
- Thanan Rattananam (2015). *The Effect of Public Investment on Private Investment: Thailand*.
Job Placement: Royal Thai Navy
- Punyawich Sessomboon (2015). *Decomposition Analysis of Global Value Chain's Impact on Thai Economy*.

Award: Third Prize, 2016 Bank of Thailand Student Research Competition

Job Placement: Bank of Thailand

- Eva Ayaragarnchanakul (2014). *An Agent-Based Model of Polycentric City Formation: Application to Bangkok Metropolitan Region*.
Job Placement: Faculty of Economics, Prince of Songkla University
- Ratchanon Chotiputsilp (2014). *Economic Fluctuations and The Role of Monetary Policy: An Investigation of An Agent-Based Model*.
Award: Third Prize, 2015 Bank of Thailand Student Research Competition
Scholarship: Awarded a scholarship by the University of Chicago for master's studies
Job Placement: Faculty member, Faculty of Economics, Thammasat University; formerly a research assistant at MIT

Thesis Committee (Master's Degree Programs)

- Jetsadayut Krainara (2025). *Using Night Time Light From Satellite for Predicting the Tapping Water Usage in Thailand*.
- Sengsouksanh Phanthouvong (2022). *Land Use Dynamics of Urban Areas in Pakse City, Lao P.D.R during 2000-2020*.
- Shu Hsuan Tang (2022). *Relationship of the Relocation Decision and Job Location of Klong Toei Community's Residents*.
- Sirawit Pattamasuwan (2022). *The Effects of Population Decline on Education Infrastructure: A Case Study of Udonthani Province*.
- Parichat Cheerachanchote (2021). *Thailand's Electricity Demand Forecasting under Disruptive Technology Penetration of Electric Vehicles*.
- Mukda Teeralertpanich (2021). *Determinants of Foreign Direct Investment in Thailand: The Role of Debt*.
- Arun Satitpongsataporn (2021). *The Contribution of Universities to Urban Economic and Innovation Development in Thailand*.
- Anop Jaewisorn (2020). *The Inequality Effects of Natural Disasters: Evidence from Thailand*.
- Parinya Mingsakul (2020). *Impact of Technology Advancements and Trade Liberalization on Productivity: Evidence from Thai Manufacturing Sector*.
Job Placement: Bank of Ayudhya, Thailand; formerly at the Ministry of Finance, Thailand
- Yuan Liang (2020). *The Impact of Trade Facilitation on Cross-Border E-Commerce Exports of China: Based on the Gravity Model*.
- Sornsawan Sailamai (2019). *How Do FTAs Affect Export Diversification: Intensive and Extensive Margins in Thailand?*.
Award: Best Dissertation 2019 in Sociology, Thammasat University
Job Placement: Ministry of Finance, Thailand
- Kunlanan Saelee (2019). *Economic Assessment under Risk for Torrefaction Case Study of Rubber Wood Pellets*
- Tirapat Boonyasuwan (2018). *The Impact of Climate Change on Internal Migration in Northeastern Thailand*.
- Napharinthasit Preechahan, (2018). *The Relationship between Social Capital and Urban Disaster Preparedness of Professional Expatriates in Bangkok*
- Watchara Pechdin (2017). *The Dynamic Effects of Transportation Investment on Thailand's Production Sectors: A General Equilibrium Approach*.
- Artith Wongwikkarn (2017). *The Economic Impacts of Tourist Expenditures in Thailand: Multi-regional Input-Output Analysis*.
- Pimrat Mattayanumat (2017). *Development of Hybrid Input Output Model for Water Demand and Wastewater Quantity*.

- Arinchaya Ritsorakrai (2016). *The Role of "Service Sector Effects" on Thai Export Competitiveness*.
Job Placement: PTT Public Company Limited, Thailand
- Pattarakorn Tantratnanuwat (2015). *Vertical and Horizontal FDI Technology Spillovers in Thai Manufacturing: Does Measurement Matter?*.
Award: Invited to present at the 2015 West East Institute (WEI) International Academic Conference, Harvard University
Job Placement: Formerly at the Bank of Thailand
- Thongchart Bowonthumrongchai (2013). *The Economic Impact of LPG Subsidy Reform in Thailand*.
Award: Awarded the Japanese Government (MEXT) Scholarship for Ph.D. study at Saitama University, Japan
Job Placement: Faculty of Economics, Srinakharinwirot University
- Thanyakorn Bunnag (2012). *Exchange Rate Variation and World Commodity Price Variation: The Cases of Australia, Canada, and New Zealand*.
Job Placement: Ministry of Finance, Thailand

Main Advisor (Master's Degree in Business Economics - Independent Study)

- Jirapa Hanakaset (2021). *Estimating Thailand's Unemployment Rate: An Application of Google Trends Data*.
- Sunisa Kattikamas (2020). *Factors Affecting the Expansion of Condominium Projects in Bangkok Metropolis*.
- Sukhummas Thongtim (2019). *Studying the Long-Run Equilibrium Relationship between Value Added Tax and Business Growth: A Case Study of the Bangkok Area Revenue Office 22*.
Job Placement: Formerly at the Ministry of Finance
- Thanatproud Leelararat (2019). *A Comparison of Correlation between Thailand's Unemployment Rate and Relevant User-Generated Internet Data from Google Trends and Twitter*.
- Siwakorn Iemeak (2018). *Data Mining to Reduce the Return Shipment: The Case of Private Parcel Delivery Company*.
- Kansinee Jaroenkitwatcharachai (2018). *Artificial Intelligence for Forecasting Wage*.
Award: Second Prize, 2021 Bank of Thailand Student Research Competition
Job Placement: Bank of Thailand
- Nutchaya Choksuksrikul (2017). *Calculating Crop Insurance for Farmer Risk Management in Thailand*.
- Namploy Ploynamngren (2017). *World Market Price Mechanisms for Rice*.
- Jirayu Sadjaphan (2015). *Impact of the Automotive Industry on the Thailand Economy*.
- Ongart Rukkhawattanakul (2015). *Factors Causing Personal Income Variation in the Nongkhai, Mukdahan, and Mae Sot Special Economic Zones, Thailand*.
Job Placement: Office of the National Economic and Social Development Council (NESDC), Thailand
- Pannapa Poolmark (2014). *The Influence of the Land Tax to Ensure Fairness of Income Distribution: A Case Study of Sisaket Province*.
Job Placement: Office of the National Economic and Social Development Council (NESDC), Thailand
- Phattraporn Kumsaard (2014). *The Effect of Consumption Tax Changes on Japan's Economy and Transmission Mechanism to Thailand's Economy in GTAP Model*.
Job Placement: Ministry of Finance, Thailand
- Wantana Philae (2013). *Effect of the Rice Subsidy Scheme on Organic Agriculture Farmers: Case Study of Chachoengsao Province*.

- Supamat Wongboonnate (2013). *Effect of the First Car in Government Policy on Government Revenue*.
- Benjapat Porphuet (2013). *A Feasibility Study on Investment in Installing a Combined Heat and Power Generation System Using Natural Gas as Fuel: A Case Study of Commercial Buildings in Bangkok*.
Job Placement: PTT Public Company Limited, Thailand
- Chaisit Surasethaburana (2013). *Factors Influencing the Decision to Use League Organization Services by Customers of Rental Football Fields in the Thonburi Area*.

Committee Member (Master's Degree in Business Economics - Independent Study)

- Pimwaree Kittisarakul (2019). *Central Bank Marketing: Communication Through News and Online Content*.
Job Placement: Bank of Thailand
- Siripak Promvek (2019). *Factors Affecting Self-Improvement Book Purchase by Bangkok Residents*.
- Kwannate Jitwattanalark (2018). *Acceptance Factors for Using Financial Innovation (PromptPay) of Generation X*.
- Piyaporn Khumsuk (2015). *Determinant Factors Influencing Rental Prices of Apartments in Yannawa District, Bangkok, Thailand*.
- Chakrit Yaiyuea (2012). *A Study of the Structure and Behavior of the Watch and Component Market in Thailand*.

Verified Peer Reviews

Note: Most current details are available at:

<https://www.webofscience.com/wos/author/record/2814308>

<https://orcid.org/0000-0002-5643-7979>

- *Advances in Space Research* (1 review)
- *Agriculture* (2 reviews)
- *Applied Computational Intelligence and Soft Computing* (1 review)
- *Asia-Pacific Journal of Regional Science* (4 reviews)
- *Asian Journal of Technology Innovation* (2 reviews)
- *BMC Health Services Research* (2 reviews)
- *BMC Public Health* (1 review)
- *Cities* (3 reviews)
- *Cogent Economics & Finance* (1 review)
- *Communications Earth & Environment* (1 review)
- *Economic History of Developing Regions* (2 reviews)
- *Economic Modelling* (2 reviews)
- *Economic Systems Research* (3 reviews)
- *Energy Strategy Reviews* (1 review)
- *Environment & Planning* (2 reviews)
- *Environment, Development and Sustainability* (1 review)
- *Environmental Impact Assessment Review* (1 review)
- *Forests* (2 reviews)
- *Forum for Social Economics* (3 reviews)
- *Geo-Spatial Information Science* (1 review)

- *Geocarto International* (1 review)
- *Geography, Environment, Sustainability* (2 reviews)
- *GeoJournal* (1 review)
- *Geospatial Health* (1 review)
- *Housing Studies* (1 review)
- *IEEE Transactions on Computational Social Systems* (1 review)
- *IEEE Transactions on Geoscience and Remote Sensing* (1 review)
- *International Journal for Equity in Health* (2 reviews)
- *International Journal of Applied Earth Observation and Geoinformation* (6 reviews)
- *International Journal of Digital Earth* (5 reviews)
- *International Journal of Disaster Risk Reduction* (1 review)
- *International Journal of Environmental Research and Public Health* (2 reviews)
- *ISPRS Journal of Photogrammetry and Remote Sensing* (2 reviews)
- *Journal of Asian Architecture and Building Engineering* (3 reviews)
- *Journal of Risk and Financial Management* (2 reviews)
- *Journal of the Asia Pacific Economy* (1 review)
- *Kasetsart Journal of Social Sciences* (1 review)
- *Letters in Spatial and Resource Sciences* (1 review)
- *Nakhara: Journal of Environmental Design and Planning* (1 review)
- *PLOS ONE* (2 reviews)
- *Population and Development Review* (1 review)
- *Progress in Disaster Science* (1 review)
- *Regional Science Policy & Practice* (3 reviews)
- *Remote Sensing Applications* (2 reviews)
- *Remote Sensing* (4 reviews)
- *Review of Development Economics* (2 reviews)
- *Scientific Reports* (3 reviews)
- *Southeast Asian Journal of Economics* (3 reviews)
- *Spatial Economic Analysis* (2 reviews)
- *SSM - Population Health* (1 review)
- *Transportation Research Interdisciplinary Perspectives* (1 review)
- *Urban, Planning and Transport Research* (1 review)