

## CURRICULUM VITA

Voravee Saengavut (Assistant Professor)  
Faculty of Economics, Khon Kane University  
Mailing address: 123 Moo 16 Mittapap Rd., Nai-Muang,  
Muang District, Khon Kaen 40002, Thailand.

### EDUCATION

---

- Ph.D. in Human Dimensions and Ecosystem Management Science. (2015)  
College of Natural Resources, Environment and Society, Utah State University, USA.
- M.Sc. Economics and Statistics, Utah State University, USA. (2010 - 2011)

### RESEARCH EXPERIENCE

---

Land Use and Land Administration for Agriculture, funded by the Agricultural Research Development Agency (2022-current) (Researcher).

Attenuation of Health and Economic Effects of Particulate Matter (PM2.5) with Community Networks by Reduction of Biomass Burning, funded by Thailand Science Research And Innovation (Fundamental Fund 2022). (Subproject principle investigator).

Impacts of climate change and agricultural diversification on productivity and income of Thai farm households: applying satellite remote sensing data with households surveys, funded by Puey Ungphakorn for Economic Research (PIER) (2021) (Co-Principle investigator).

A Comparative Study of Food-System Value Chains of Alternative Rice Cultivation Methods in Northeast Thailand, funded by The Economics of Ecosystems and Biodiversity (TEEB), United Nations Environment Programme (UNEP), contract Number M99-11207-14AC003-M1-32CPL-000337-SB-010497.05.03 (2019). (Responsible for Landuse Change analysis and health impact valuation).

Impact of Extreme Climate Conditions on Social Well-Being in Agricultural Sector. Supported by Chiang Mai University and Khon Kaen University, Thailand. 2018. (Co-Principle investigator).

Social and Cultural Values of Ecosystem Services of Plant Genetic Protection Area, Chulaporn Dam, Chiyaphum province, Thailand funded by Plant Genetics Conservation Project under The Royal initiative of Her Royal Highness Princess Maha Chakri Sirindhorn 2015-2018 (Principle Investigator).

Climate change and drought insurance in Thailand, University of Tokyo and the National Institute for Environmental Studies (NIES) funded by the Ministry of Education and Science (MEXT), Japan. 2017 (Co-Principle Investigator).

Ecosystem services (Social value) Evaluation of Yang Na (*Dipterocarpus alatus*) funded by Plant Genetics Conservation Project under The Royal initiative of Her Royal Highness Princess Maha Chakri Sirindhorn 2016 (Principle Investigator).

Social Vulnerability on Decision in Flood Risk Reduction: Evidence in Khon Kaen Municipality, Thailand 2016 (Principle Investigator)

Illegal Dumping in Northern Nevada on Public Lands; Resident Perceptions and Willingness to Pay for Mitigation. (2011) (research assistant)

## **PROFESSIONAL EXPERIENCE**

---

A consultant in a project of Urban Green Space and Environmental Management for Sustainable Development in ASEAN. Founder the Office of Natural Resources and Environmental Policy and Planning (ONEP) (National Budget, Year 2019).

A consultant of the project: Gross Municipal Product (GMP) in Khon Kaen Municipality. Responsible for the field survey and the aggregating of local production sectors.

A consultant in a project of Urban and Community Development toward the Low Carbon Society for the Office of Natural Resources and Environmental Policy and Planning (ONEP) (National Budget in the year 2016).

Faculty of Economics, Khon Kaen University Thailand (2003 - current). Teaching courses (as of July 2016 - present): Econometrics, Introduction to Natural Resource Economics, Transport Economics, Microeconomics, Advanced Microeconomics, and International Economics.

Training: Climate Change and Applications of Satellite Generated Atmospheric and Climate Data. Erasmus+ Capacity Building Workshop: 6-11 April, 2018. Interfaculty Department of Geoinformatics - Z\_GIS, University of Salzburg, Austria, and Department of Geography, Chiang Mai University, Thailand.

## **PUBLICATIONS**

---

### **Author**

Thavorntam, W., **Saengavut, V.**, Armstrong, L. J., & Cook, D. (2023). Association of farmers' wellbeing in a drought-prone area, Thailand: applications of SPI and VCI indices. *Environmental Monitoring and Assessment*, 195(5), 612.

**Saengavut, V.**, & Somswasdi, C. (2022). Preference Heterogeneity of Local Participation in Coupling Conservation and Community-Based Entrepreneurship Development. *Sustainability*, 14(12), 7441.

**Saengavut, V.**, & Jirasatthumb, N. (2021). Smallholder decision-making process in technology adoption intention: implications for *Dipterocarpus alatus* in Northeastern Thailand. *Heliyon*, 7(4), e06633.

**Saengavut, V.**, Jirasatthumb N., Bumrungki, Krueawamgmol (2019). Vulnerability and Climate Change Adaptation of Smallholding Farmers in Khon Kaen Province. *Economics and Public Policy Journal*, 10(20), 20-37.

**Saengavut, V.**, Somsawadi, J., Martikornkul (2018). Economic Valuation of Conservation: Benefit Awareness of Yangna. *Journal of Humanities and Social Sciences*, 35(2), (170-199)

**Saengavut, V.** (2018). The Effect of Preference for Nature-Based Recreations: Application of a Multi-Destination Travel Cost Method. *Chiang Mai University Journal of Economics*, 22(1), 1-16.

**Saengavut, Voravee C.**, Brunson M.W., and Howe, Peter. (2015). Localized risk perception of wildland fire hazard. *International Journal of Wildland Fire* (proceeding).

**Chakreeyarat, Voravee S.**, and Brunson, M. W. (2015). Influence of individuals worldviews on wildfire mitigation decision processes. *Society and Natural resources*.

### **Coauthor**

Nagisa Shiiba et al., (2022). Ambiguity Aversion and Individual Adaptation to Climate Change: Evidence from a Farmer Survey in Northeastern Thailand, *Climate Change Economics*, doi: 10.1142/S2010007823500057.

Benjapon Prommawin & Nattanun Svavasut & Spol Tanpraphan & **Voravee Saengavut** & Theepakorn Jithitikulchai & Witsanu Attavanich & Bruce A. McCarl, 2022. "Impacts of Climate Change and Agricultural Diversification on Agricultural Production Value of Thai Farm Households," PIER Discussion Papers 184, Puey Ungphakorn Institute for Economic Research.

### **SELECTED PRESENTATIONS**

---

Singapore Economic Review Conference 2022, oral presentation. Titled "The Impact of Flooding on Land Value and Poverty Vulnerability among Small-scale Farmers in the Flood-Prone Areas of Thailand".

Environmental Economics in Southeast Asia Adaptation, Mitigation and Strategies for an Inclusive Green Development (EPPSEA annual conference 9-11 December 2020).

Guest speaker. Small-holder adaptation to Drought: Evidence in NE Thailand, College of Sciences. Edith Cowan University. 15 - 30 May 2018.

The 11<sup>th</sup> World Conference of Spatial Econometrics Association, Singapore. June 13-15, 2017, oral presentation.

## **PROFESSIONAL MEMBERSHIPS**

---

Asain Association of Environmental and Resource Economics  
Ecological Economics  
Science in Society  
Society and Natural Resources  
Spatial Econometrics Association  
International Association of Wildland Fire  
International Society for Ecological Economics

## **Research Interest**

---

Ecosystem services and conservation, Climate Change, Air pollution, and adapatation.