

## CURRICULUM VITA

Voravee Saengavut (Assistant Prof.)  
Faculty of Economics, Khon Kane University  
Mailing address: 123 Moo 16 Mittapap Rd., Nai-Muang,  
Muang District, Khon Kaen 40002, Thailand.  
[cvorav@kku.ac.th](mailto:cvorav@kku.ac.th) or [voravee.sa@gmail.com](mailto:voravee.sa@gmail.com)  
Tel. 66 095-6988671

### EDUCATION

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Ph.D. in Human Dimensions and Ecosystem Management Science. (2015)  
College of Natural Resources, Environment and Society, Utah State University  
M.Sc. Economics and Statistics, Utah State University (2010 - 2011)  
M.Sc. Resources and Applied Economics, University of Nevada, Reno (2008 - 2010)  
M.Sc. Environmental and Natural Resources Economics  
Chulalongkorn University Bangkok Thailand (1998 - 2000)  
B.E. Khon Kaen University, Khon Kaen, Thailand, (1995-1998)  
Awarded with second class honors

### RESEARCH EXPERIENCE

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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-current).

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, contract Number M99-11207-14AC003-M1-32CPL-000337-SB-010497.05.03 (2019-current). (Responsible for Landuse Change analysis and health impact caused by rice straw burning).

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 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)

Economics and Social Impact Assessment of Natural Disaster in Northeast Thailand (2009) .

Social Aspect of Fishery Impact caused by Electricity Dam: a case study of Pak Moon irrigation (Thesis, 2000)

## **PROFESSIONAL EXPERIENCE**

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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.

### *Graduate level*

Develop three research projects as part of my dissertation including mail survey.

Applied Economics Department, Utah State University (2010 –2013)

- Experimental design of food under guidance of Prof. DeeVon Bailey (2014)
- Understanding consumer preferences in the project of Cooperative Extension classes evaluation, Farmer's Market for summer 2011-13 under guidance of Prof. Kynda Curtis.
- Project under guidance of Prof. Pual Jakus: Utah waterfowl Hunting Study 2012

## PUBLICATIONS

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### Author

**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.**, Somsawadi, J. (2020). Preference Heterogeneity for Conservation - Development Programs: A Latent -Class Approach in Thailand. *Environmental Management Journal*. (Under Peer review).

**Saengavut, V.**, Jirasatthumb N., Bumrunski, 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

Yoshioka, N., Yokoo, H. F., **Saengavut, V.**, & Bumrunski, S. (2020). Ambiguity Aversion and Individual Adaptation to Climate Change: Evidence from a Farmer Survey in Northeastern Thailand. <https://ideas.repec.org/p/hitecondp/2020-06.html>

Curtis, K., **V. Chakreeyarat**, and I. Yeager, (2012). "Potential for Farmers' Market Season Extension: Grower and Market Manager Viewpoints." Utah State University Extension Fact Sheet, Applied Economics/2012-22pr.

Curtis K., **V. Chakreeyarat**, and I. Yeager, (2012). "Potential Pricing for Locally Grown Produce in the Extended Season." Utah State University Extension Fact Sheet, Applied Economics/2012-20pr.

Curtis, K., V. Chakreeyarat, and I. Yeager, (2012). "Farmers' Market Manager Perspectives on Season Extension Potential." Utah State University Extension Fact Sheet, Applied Economics/2012-26pr.

Curtis, K., V. Chakreeyarat, and J. Dominique Gumirakiza, (2012). "Community Supported Agriculture Programs: A Sustainable Approach to Local Foods." Utah State University Fact Sheet, Applied Economics/2012-25pr.

Curtis, K., Z. Ma, J. Mac Adam, and V. Chakreeyarat, (2012). "Rancher Adoption Potential of the Birdsfoot Trefoil Pasture Beef Production System in the Intermountain West." Utah State University Fact Sheet, Applied Economics/2012-04 pr.

## **SELECTED PRESENTATIONS**

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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.

Singapore Economic Review Conference 2017, oral presentation titled "Spatial Effect in Determining Flood-Prone Agricultural Land Prices: Hedonic Pricing Method"

Tongju University. International Workshop on Sustainable Transportation Systems. 2-11 July 20, 2016

International Association Wildland Fire April 20-22, 2015

## **PROFESSIONAL MEMBERSHIPS**

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Society and Natural Resources  
International Association of Wildland Fire  
Science in Society  
Society of Risk Analysis  
International Society for Ecological Economics  
Agricultural Applied Economics Association  
Ecological Economics  
Associations of Americans Geographers

## **Research Interest**

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Ecosystem Services and Conservation, Climate Change and variability, Natural disaster, Risk Perception, Landuse Change.