

Curriculum Vitae

Hongsilp Sriket

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Academic Positions

- **Lecturer**, Kasetsart University, 2012 – Present.

Education

Ph.D. Economics, University of Leicester, 2020

Dissertation: *Three Essays on Natural Resources, Climate Change, and Economic Growth*

Supervisors: Richard M.H. Suen (first), Dimitrios Varvarigos (second)

Scholarship: The Royal Thai Government Scholarships (2015-2019)

M.A. Economics (English Programme), Thammasat University, 2011

Scholarship: Thammasat Scholarships (2007-2009)

B. Economics, Kasetsart University, 2007

Major: Economic Theory

Honors: Magna Cum Laude

Fields of Interest

Economic Growth Theory: Theoretical Models and Numerical Analysis

Macroeconomic Development: Structural Transformation, Natural Resource Management, Environmental Macroeconomics, and Population Aging

Mathematical Economics: Convex Optimization, Point-Set Topology, Dynamical Systems, Numerical Methods, and Computational Economics

Research

Doctoral Dissertation

Three Essays on Natural Resources, Climate Change, and Economic Growth (2020)

Work in Progress

2024/1: *Hyperbolic vs. Exponential Discounting in Capital-Resource Growth Models: Implications for Sustainability.*

2024/2: *Neoclassical Growth of Thailand*, co-authored with Navarat Temsumrit.

2024/3: *The Differential Impact of Aging on Structural Change: Insights from Cross-Country Analysis*, co-authored with Navarat Temsumrit.

2025/1: *Population Decline and Growth: Insights from Barro's Model.*

2025/2: *Growth, Inequality, and Automation.*

2025/3: *Bubble and Population Aging.*

Working Papers

2019: *Sources of Economic Growth in Models with Non-Renewable Resources*, co-authored with Richard M.H. Suen. (Accepted)

2021: *The Structural Transformation of Thailand: The Role of Policy Distortion*, co-authored with Navarat Temsumrit. (Accepted)

2024/1: *Exploring Transitional and Asymptotic Impacts of Subsistence Consumption on Wealth Inequality in an AK Growth Model.* (Accepted)

2024/2: *Population Aging and Structural Transformation: An Overlapping Generations Model with Age-Related Preference Shifts*, co-authored with Navarat Temsumrit. (Revised & Resubmitted)

Publications

2024: *Exploring transitional and asymptotic impacts of subsistence consumption on wealth inequality in an AK growth model*, *Economics Bulletin*, Vol. 44, No.3, pp. 1214-1223

2023: *The Structural Transformation of Thailand: The Role of Policy Distortion*, co-authored with Navarat Temsumrit, *Asian Development Review*, Vol. 40, No. 1, pp. 203-245

2022: *Sources of Economic Growth in Models with Non-Renewable Resources*, co-authored with Richard M.H. Suen, *Journal of Macroeconomics*, Volume 72, 103416

University Service, Teaching, and Supervision

Undergraduate Teaching

Quantitative Economics

Mathematical Economics I (3 cr.)

Mathematical Economics IV (3 cr.)

Mathematical Programming for Economic Applications (1.5 cr.)

Introduction to Computational Economics (1 cr.)

Intermediate Computational Economics (4 cr.)

Theoretical Economics

Economic Growth and Stability (1.5 cr.)

Environmental and Resource Economics

Environmental Economics (1.5 cr.)

Graduate Teaching

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Training

Introductory MATLAB

Workshop in Numerical Macroeconomics

Numerical Methods in Economics using Python

Editorial and Refereeing Activity

Associate Editor: Southeast Asian Journal of Applied Economics (2021-present)

Referee: Economics Bulletin (2)

Languages

Thai (Native), English (Fluent)

Programming Skills

MATLAB, PYTHON, R, JULIA, MATHEMATICA, LaTeX