

TAKU W. TSUSAKA, *Ph.D*



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AREAS OF EXPERTISE

Agricultural Economics; Natural Resources Economics; Poverty Reduction; Social Capital Formation; Technology Adoption; Ex-post Impact Evaluation; Gender in Smallholder Agriculture; Survey Methods; Spatial Econometrics; Monitoring & Evaluation; Corporate Management

GEOGRAPHICAL EXPERIENCE

Research: Malawi, Zambia, Tanzania, Ethiopia, Zimbabwe, Mozambique, India, Nepal, Sri Lanka, the Philippines, Indonesia, Thailand, China, Myanmar, etc.
Business: USA, France, Japan, South Africa, Kenya.

EMPLOYMENT

He has worked for international organizations such as Asian Institute of Technology (AIT), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), International Rice Research Institute (IRRI), and Mars & Co.

PROJECT EXPERIENCE

He has led and/or contributed to projects such as follows:

- Co-PI: Climate Change Adaptation in Agriculture for Enhanced Recovery and Sustainability of Highlands: Climate-smart agriculture consulting firm: Thailand [ADB (JFPR)].
- PI: Ecotourism and Ocean Plastic Control: Vietnam & Thailand. [Toyota Foundation via HMBS].
- PI: Cassava Value Chain Project: Thailand. [IDE-JETRO].
- Co-PI: Training Program on Technology Clinic for Agro-Food Small and Medium-Sized Enterprises (SMEs), Thailand. [UNIDO & UNEP via CTCN].
- PI: Trade Hub: R Congo, DR Congo, Gabon, Cameroon, Tanzania, China, Brazil, & Indonesia. [UKRI via UNEP-WCMC].
- Analytical Advisor: Enhancing child nutrition through Smart Food: Myanmar [Australian Aid]
- Analytical Advisor: Feeding mid-day meals to Children: India [TAPF]
- Co-PI: Advancing the Development and Adoption of Post-Harvest Grain Legume Technologies by Smallholder Farmers. Malawi and Tanzania. [McKnight Foundation]
- Coordinator for ICRISAT: KULIMA, Improving the Access to and Use of Agricultural Research Innovations by Malawian Farmers. [EU & GIZ].
- PI: Reducing Drudgery and Increasing Efficiency in Groundnut Post-harvest Operations through Labor Saving Technologies. Malawi and Mozambique. [McKnight Foundation]
- Objective Leader: Harnessing Opportunities for Productivity Enhancement of Sorghum, Pearl Millet, and Finger Millet in Africa. Ethiopia and Tanzania. [BMGF]
- Team Leader for Malawi: Sustainable Agricultural Intensification Research and Learning in Africa. Malawi and Ethiopia. [UK Department for International Development].
- PI: Post-harvest loss assessment for groundnut using nationally representative on-time stakeholder interview approach, combined with on-farm assessment. Malawi. [CRP PIM].
- Chief Analyst: Nutrition, food safety, and complementary feeding trials. Malawi. [McKnight Foundation].
- Chief Analyst: Nutrition, food safety, and complementary feeding trials. Tanzania. [USAID].
- Team Leader for Zambia & Malawi: Impacts of Conservation Agriculture in Southern Africa. Zimbabwe, Zambia, & Malawi. [FAO].
- Focal Point: Gender impacts of groundnut post-harvest interventions. Zambia [CRP-PIM & USAID].
- Chief Analyst and Lead Author: Role of sorghum and pearl millet in subsistence farming systems. Mozambique. [CRP Dryland Cereals].
- Team Leader for Malawi: Economic impact assessment of groundnut technologies in Malawi. [CRP Grain Legumes].
- Chief Analyst and Lead Author: Pigeonpea trait preferences and food fuel system in southern Malawi [CRP Dryland Systems].

- Supervisor: Baseline assessment for Malawi Seed Industry Development Program for sorghum production in Southern Region and gender indicators in Central Region. Malawi [Irish-Aid].
- Analyst and Coauthor: Farmer-to-farmer dissemination of improved rice technologies among smallholder farmers. Tanzania [JICA & CRP RICE].
- Analyst and Lead Author: Social capital spillover among villagers: irrigated community vs. rainfed community [JICA & JIRCAS].
- Team Leader for the Philippines and Lead Author: Methods of tracking improved varieties in five countries in South Asia (India, Nepal, Bangladesh, Sri Lanka, Bhutan). [BMGF].
- Analyst and Lead Author: Assessment of NMRice. The Philippines [CRP RICE].
- Member and Coauthor: Demonstration of NMRice at demonstration plots. The Philippines [CRP RICE].
- Member and Coauthor: An African Green Revolution: Finding Ways to Boost Productivity on Small Farms. [World Bank, FASID].
- In addition, 13 confidential projects in the private sector.

TEACHING EXPERIENCE

He has ever taught or co-taught courses including:

- Development Economics
- Natural Resources Economics
- Farm Management Economics
- Natural Resource Policy
- Society and Natural Resource Management
- Research Methods for Natural Resources Management
- Statistics for Development Studies
- Quantitative Research Methods 2
- Quantitative Analysis using R
- Mathematics for Economics (GRIPS)
- etc.

ACADEMIC DEGREES

He has attained higher degrees as follows:

- Ph.D in Development Economics
- Master of International Development Studies
- Bachelor of Engineering in Applied Physics

PUBLICATIONS

- He has published extensively in international peer-reviewed journals including *World Development*, *Journal of Economic Behavior and Organization*, *Public Health Nutrition*, *Mycotoxin Research*, *Land Use Policy*, *European Journal of Development Research*, *Sustainable Production and Consumption*, *Environmental Management*, *Mitigation and Adaptation Strategies for Global Change*, *Tourism Management Perspectives*, *Journal of the Science of Food and Agriculture*, *Ecology of Food and Nutrition*, *Toxins*, *Environmental Development*, *Nutrients*, *Land*, *Atmosphere*, *Processes*, *Remote Sensing*, *Journal of International Development*, *Water*, *Sustainability*, *Development in Practice*, *International Journal of Value Chain Management*, *Outlook on Agriculture*, *Fisheries Research*, *Aquaculture Research*, *Local Environment*, *Frontiers in Nutrition*, *Frontiers in Sustainable Food Systems*, *Heliyon*, and so forth.
- In addition, he has published peer-reviewed working papers, conference papers, discussion papers, book chapters as well as donor-funded project reports.

FUND RAISING

- Raised 3.135 million US dollars equivalent, through six projects in the public and private sectors.
- Co-raised 17.078 million US dollars equivalent, through ten projects in the public sector.

AWARDS

- Best Paper Award: The 10th ASAE (Asian Society of Agricultural Economists) International Conference, ASAE
- Top-15 Nominee for the 1st SDGs Award, GRIPS
- Best Research Manager Award: Annual Science Awards, ICRISAT
- Best Display Award: The 10th Community of Practice Conference for Southern Africa, McKnight Foundation
- Outstanding Academic and Social Achievements Award (cum. 50% Exemption of Education Loan Repayment): JASSO