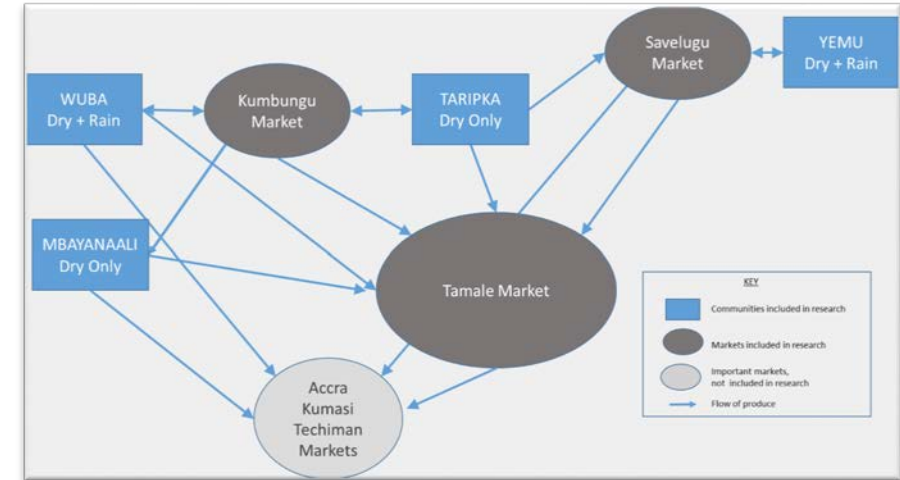


How does the intersection of gender, markets, water and food/crops influence regional and local agrifood systems in Northern Ghana?



Funded by: Borlaug Food Security Fellowship, Penn State Africana Research Center, and Laura Richardson Research Award

Interests



AIARD
ASSOCIATION FOR INTERNATIONAL AGRICULTURE
AND RURAL DEVELOPMENT

**Colorado
State
University**



- ▶ Affordability of and access to nutritious/healthy food
 - ▶ Armenia and the U.S. Northeast
- ▶ Effects of food labeling
 - ▶ Added sugar/traffic light/alternative products
- ▶ Taxation of less desirable ingredients and/or products
 - ▶ Added sugar/fat/soda
- ▶ Farmers' markets
 - ▶ Attribute space
- ▶ Young Professionals for Agricultural Development (YPARD)
- ▶ Agripreneurs Creating Tomorrow

Improving the Workplace of Farmers: An Analysis of Human Resource Development Factors from Kenya

Susan Karimiha ¹

Louisiana State University School of Leadership & Human Resource Development, ² Louisiana State University Agricultural Center

RESEARCH OVERVIEW

This study examines the impact of psychological empowerment, workplace motivation and social capital on farmers' job performance in Kenya.

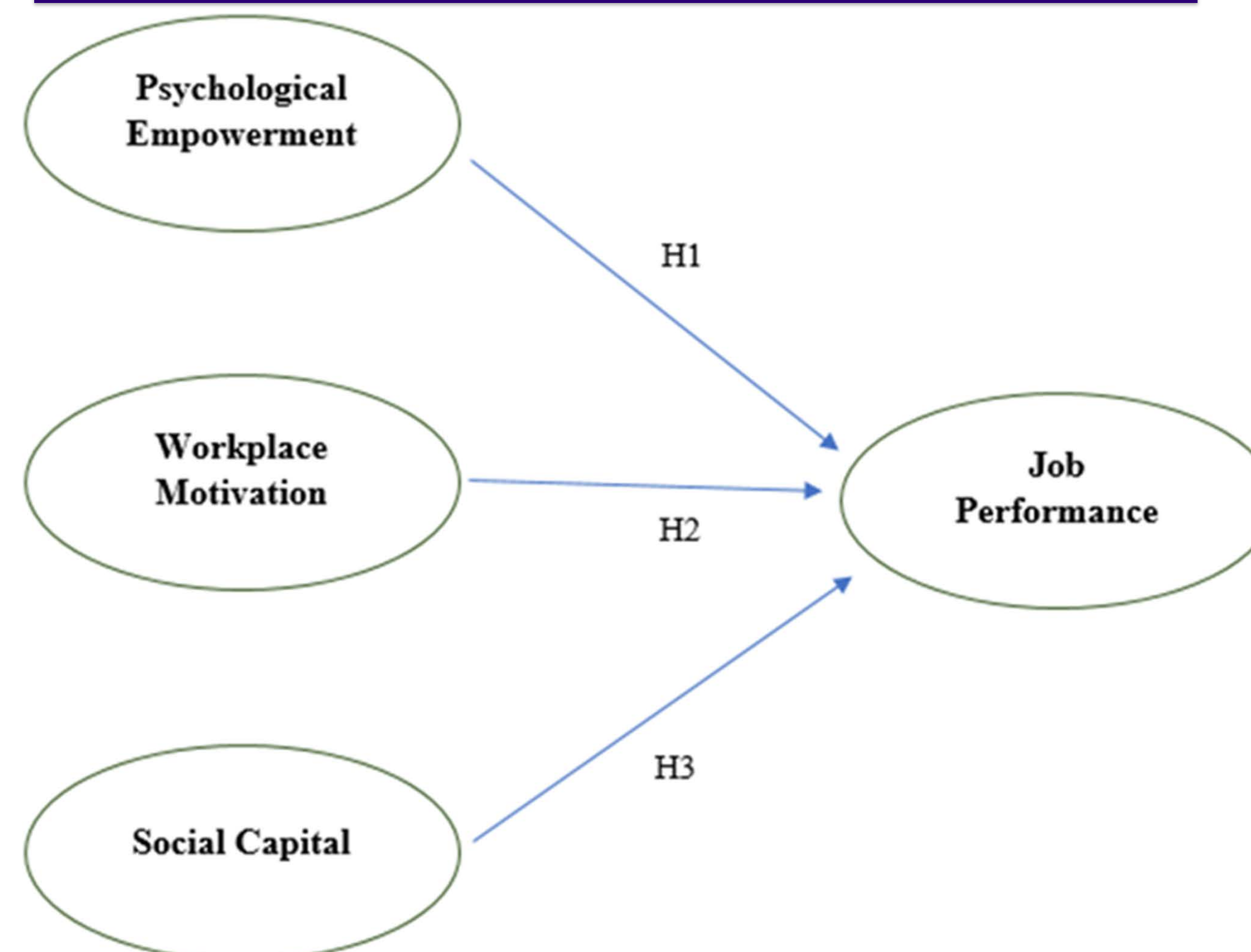


METHODS

- 205 farmers in Kenya
- 62 item questionnaire measures psychological empowerment, workplace motivation, social capital and job performance.
- Theoretical Frameworks



PURPOSE



IMPLICATIONS FOR AGRICULTURAL & RURAL DEVELOPMENT

- Research Significance
- The human factor in the agricultural value chain is the key to food security (agricultural workforce).
- July 2018: Study will be repeated in Honduras with 600 additional farmers.

Diet and Type 2 Diabetes in Malawi

1) Diabetes = serious problem

Global 8.8%

Africa 4.4%

Malawi 5.6%

2) Diet is integral

3) Methods



4) Findings

Majority (60%) poorly managed and food insecure (77%)



Problem= in villages where many reside “food is scarce, only cheap food is maize”

RESEARCH SYNOPSIS AND INTEREST IN INTERNATIONAL AGRICULTURE -Deus Mugabe

BRIEF BACKGROUND:

- Fulbright scholar at Washington State University. Completed Master's in Plant breeding and genetics, May 2018.
- Starting Ph.D in plant genetics, Fall 2018/ Spring 2019.

MASTER'S RESEARCH:

- Master's research conducted on winter survival in pulse crops (pea, lentil, chickpea)
- Specifically focused on identifying genetic regions that control cold tolerance in chickpea.

CURRENT RESEARCH:

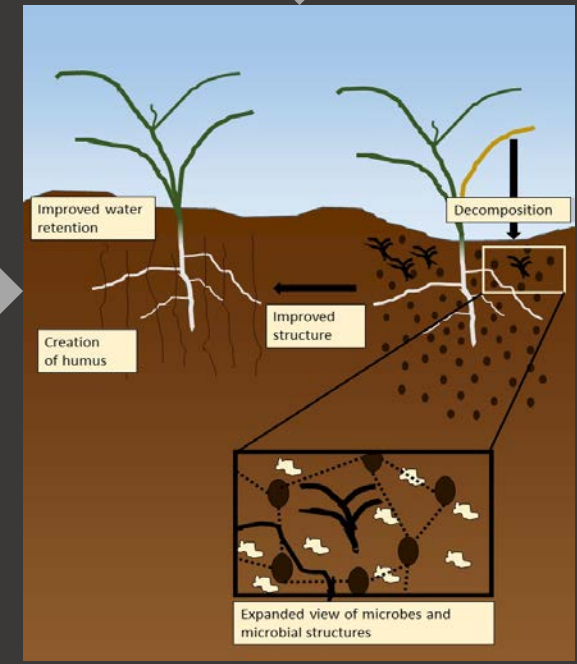
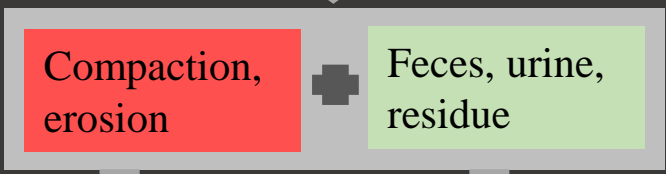
- Genetic analysis and breeding of pulse crops such as pea, lentil and chickpea for improved yield, disease and drought resistance.
- Participating in an international research project addressing abiotic stress in a large lentil study conducted in seven countries (USA, Canada, Morocco, Spain, Italy, India and Bangladesh)

FUTURE INTEREST:

- Plant breeding and genetics scientist – helping farmers around the world develop and produce food for the rapidly growing global population.
- Research in hunger and malnutrition alleviating projects in developing countries, especially Sub Saharan Africa;
 - Farmer participatory breeding projects to produce better yielding, stress resistant crops.
 - Developing indigenous crop species and introduction of adaptable, highly nutritious species such as quinoa.

Soil Microbial Communities and Soil Health in Semi- Arid Improved Pasture Ecosystems

By Rael Otuya



Sustainable pasture ecosystems contribute to food security, water conservation, carbon sequestration and poverty alleviation

Works Cited

1. <https://www.zingbokashi.co.nz/2014/04/24/the-importance-of-the-soil-microbial-population/>
2. <https://global.nature.org/content/rethinking-soil>
3. Microbe-Soil interaction diagram created by Rachel Rayl