

**September 5, 2014**

**PhD SCHOLARSHIP UNDER RELOAD (REDUCTION OF POST-HARVEST & VALUE ADDITION) PROJECT**

**Brief description:**

CAES is working with the Germany Government to support a RELOAD (Reduction of Post-harvest and Value Addition) project for the purpose of establishing a development oriented inter and multidisciplinary African-German research network in Kenya Uganda and Ethiopia to address reduction of Post Harvest Losses (PHL) and enhancing value addition. Germany Government will support and fund graduate study programs leading to the award of PhD Degree at Makerere university and Mbarara University of science and Technology.

Applications are therefore invited from qualified individuals for the award of PhD Scholarship in the following areas of study:

	<b>TOPIC</b>
PhD	Economic and value chain for fruits and vegetables
PhD	Renewable Energy in Food Processing

**PhD1: Research Topic1: PHL Hot Spot Identification in Supply Chains**

**Objectives**

- Assess and document PHL (post-harvest losses) along the supply chain and identify missing information and integration among supply chain actors.
- Identifying PHL hot spots for each supply chain and assess factors driving the losses.
- Develop alternative solutions for supply chain design and supply chain integration that allow the reduction of PHL for at least two cases (milk and vegetables or meat).
- Assess alternative supply chain designs based on key performance indicators aiming at food security, but taking technological feasibility and long term viability into account.

**Eligibility:**

The PhD scholarship is open to only candidates with a minimum qualification of a masters degree in the following disciplines; Economics, Agribusiness and any other related fields from a recognized institution.

## **PhD Research Topic 2: Renewable Energy in Food Processing**

This candidate will investigate the following issues.

- Solar energy technology for low and medium temperature applications during food processing
- Biogas application for food processing
- IT simulation tool for energy supply concepts in food processing

### **Eligibility:**

The PhD scholarship program is open to Ugandan candidates with a minimum qualification of a master's degree in the following disciplines; Electro and Mechanical Engineering, Agricultural Engineering, Renewable energy and any other related fields from a recognized institution.

### **Application instructions:**

Applicants must submit a one page concept about the topic of interest, an **application Letter**, **Two Recommendation Letters**, and **Curriculum Vitae** to Dr. Susan Balaba Tumwebaze (tumwebaze@caes.mak.ac.ug) of School of Forestry, Environmental & Geographical Sciences, Room 201.

### **Deadline:**

Application deadline for the scholarship for the master's programs is **19<sup>th</sup> September 2014**.