

- **Cultivation of Bambara groundnuts in Western Kenya as a Food and Cash Crop**

- Darius O. Andika (Ph.D)

- Jaramogi Oginga Odinga University of Science and Technology (JOOUST)

- Food insecurity identified as prime cause of malnutrition in many households in Kenya
 - Food poverty affects many regions in the country
 - High population growth rates, HIV/AIDS and dependence on non food cash crops

Research Interests



Agricultural productivity continues to decline due;

- ✓ *over reliance on artificial inputs in cropping systems*
- ✓ *low water availability,*
- ✓ *low soil fertility,*
- ✓ *poor and unsustainable soil fertility replenishment options as well as poor cropping systems.*

Intercropping

- Intercropping has been practiced but its benefits are rarely attained probably due to improper choice of intercrop crops as well as poor management practices



Benefits

- ✓ Biodiversity/genetic conservation
- ✓ Sustainable use of local genetic materials
- ✓ Soil fertility improvement through appropriate farming systems
- ✓ Improved yields and quality food products
- ✓ Improves the plant resource utilization (water, light, nutrients).
- ✓ Increased utilization of leguminous symbiotic nitrogen fixation in the cropping system

Cash crop and food



Thank You