Enhancing the Peanut Value Chain, from Processing to Marketing of Peanuts and Peanut Products in East Africa (Uganda) and West Africa (Ghana)

UGA-GP3MT – University of Georgia Global Peanut Product, Processing and Marketing Team
Project 127-M.S. Chinnan; Project 165-W.J. Florkowski; Project 166-A.V.A. Resurreccion

Project Approach, Activities and Accomplishments
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Our Collaborators in Uganda:
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Archileo Kaaya, Makerere University
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Our Collaborators in Ghana:
Dr. Emmanuel Owusu-Bennoah, Country Coordinator
Dr. Daniel Sarpong, Department of Agricultural Economics and Agribusiness, University of Ghana-Legon
Dr. Agnes Budu, Department of Food Science, University of Ghana-Legon
Charles Diako, Food Research Institute, CSIR
George Anyebuno, Food Research Institute, CSIR

Accomplishments and Currently Implemented Projects
- Socio-economic household surveys - Ghana and Uganda
  Papers presented in 2011
- Stabilized peanut butter - Makerere University with Food Engravers Inc. and SESACO Ltd., Uganda;
  Food Research Institute with Selasie Foods, Ghana
- Peanut chocolate spread - Food Research Institute with CBA Foods, Ghana
- Sorting for aflatoxin free products - Food Research Institute, Ghana; Makerere University, Uganda
- Developing a Canned Peanut Soup Base - University of Ghana-Legon with Nkelunu Foods, Ghana
- Development and processing of vitamin A fortified peanut butter - Uganda Industrial Research Institute
- Development and promotion of groundnut cookies - National Agricultural Research Organization with HOMETECH, Foods, Uganda

Our Vision - Commercialization of peanut products appropriate to consumers in respective regions

Our Approach -
- Identification of peanut product, process and marketing through socio-economic survey of households representing current and future consumers of peanut products
- Identification of challenges and opportunities using the summary of survey data, information gathered from on-site visits and discussions with entrepreneurs, scientists, regulators, policymakers, and consumers
- Identification of industry partners (IPs) from the onset of the project

Expected Impact -
- Aflatoxin-free peanut products in the marketplace
- Nutrientally-enhanced peanut products (vitamin A fortified peanut butter, nutritious peanut cookies, fiber-enhanced peanut butter)
- High quality peanut products (stabilized peanut butter, chocolate peanut spread, peanut soup base)
- Economic development through expanded entrepreneurship – number of entrepreneurs, increased production volumes
- Laboratory scale to pilot/commercial scale production
- From a single company to multiple companies
- From one city to a country and to a region (e.g., Kampala - Uganda – East Africa)

Implementation of Collaborative Project -
- Close cooperation between the researchers and the industry partners at all stages of the project activities to fast-track product commercialization
- Exclusive use of knowledge generated for a defined period of time to protect IPs competitive advantage
- Availability of techniques developed to other entrepreneurs after the expiration of exclusivity period

Peanut Research and Processing Centre in Lira, Uganda

This plant was commissioned by H.E. President Museveni of Uganda on Independence Day, October 9, 2011.

H.E. President Museveni with his entourage and UIRI officials touring the processing facility.

Grinding roasted peanuts into paste at Lira plant.

Filling jars with peanut butter at Lira plant.

Dr. Chinnan, UGA GP3MT Team member, presents samples of peanuts with various degree of roast used in peanut products to Plant Manager and Joseph Rubalema, UIRI.

Drs. Florkowski and Chinnan, UGA GP3MT Team members and Ugandan collaborators from Uganda Industrial Research Institute, Makerere University and National Agricultural Research Organization during the networking session in Kampala.

UGA GP3MT Team members and Uganda collaborators from Uganda Industrial Research Institute, Makerere University and National Agricultural Research Organization during the networking session in Kampala.

UGA GP3MT Team member, with an enumerator and a respondent during the completion of a questionnaire collecting information for household and market survey in Tamale, Ghana.

Industrial Partners for peanut products identified by UGA GP3MT Team in Uganda.

Dr. Florkowski, UGA GP3MT Team member, with an enumerator and a respondent during the completion of a questionnaire collecting information for household and market survey in Tamale, Ghana.

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This image contains photographs of individuals and scenes related to peanut research and processing at the University of Georgia. The text describes the project's approach, activities, and accomplishments in enhancing the peanut value chain, from processing to marketing. It highlights the collaboration between researchers and industry partners, the development of peanut products, and the expected impact on economic development and consumer engagement in East and West Africa. The image also mentions the Peanut Research and Processing Centre in Lira, Uganda, and includes photographs of the facility and individuals involved in the project.