



3RD ALL AFRICA POSTHARVEST CONGRESS & EXHIBITION PROGRAM OUTLINE

Theme: Postharvest Loss Reduction for Sustainable Food Systems

DAY 1 (13TH September)

9.00 – 11.30 AM	SIDE EVENT 1 WORLD FOOD PROGRAM (WFP)	
11.30 – 12.00 NOON	BREAK	
12.00 – 2.30 PM	SIDE EVENT 2 Forum for Agricultural Research in Africa (FARA)	SIDE EVENT 3 BUHLER GROUP
2.30 – 3.00 PM	BREAK	
3.00 – 5.30 PM	SIDE EVENT 4 Strengthening African Processors Project (SAP – Purdue University)	SIDE EVENT 5 African Postharvest Losses Information System (APHLIS)
5.30 – 6.00 PM	BREAK	
6.00 – 8.30 PM	SIDE EVENT 6 Consortium for Innovations in Post-Harvest Loss and Food Waste Reduction, Iowa State University	

****EXHIBITIONS & POSTER VIEWING IN THE GALLERY WILL CONTINUE ALL THROUGH THE 4 DAYS**

DAY 2 (14TH September 2021)

8.45 – 10.30 AM (105 minutes)	WS 1A (Extent, Causes and Impacts of Food Loss and Waste of Perishable Crops and Tree Crops) Session Moderator: Prof. Willis Owino Session Rapporteur: Dr Tanya Stathers Oral Presentations (10 minutes each) Victor Dania: Identification and characterization of Rhizopus species causing postharvest rot disease of sweetpotato isolated in Nigeria Charity Gathambiri: Fungi associated with bulb onion (Allium cepa L.) postharvest rots in major markets located in growing regions of Kenya	WS 13A (Extent, Causes and Impacts of Food Loss and Waste of Perishable Crops and Tree Crops) Session Moderator: Ing. Joseph O. Akowuah Session Rapporteur: Hory Chikez Oral Presentations (10 minutes each) Angeline Mujeyi: Innovative post-harvest management practices in small grains value chains in the drylands Bababode Adesegun Kehinde: Effects of Hermetic Storage on the α -Amylase Content and Antioxidant Activity of SRW Wheat	WS 3B (Applicable Technologies for Postharvest Quality Preservation and FLW Reduction: Technologies for Shelf-life Extension in Perishable Crop Commodities) Session Moderator: Prof. Olaniyi Fawole Session Rapporteur: Olubukola Odeyemi Oral Presentations (10 minutes each) Adugna Bikila: Effect of Pre-treatment and Drying Temperature on Physicochemical and Functional Properties of Anchote (Coccinia Abyssinica (Lam.) Cogn.) Tuber Flour Charity Kambani-Banda: Enriching Maize-Legume Flours with Orange - Fleshed Sweet Potato (OFSP) can Help Reduce Vitamin A Deficiency and Postharvest Loss in Malawi
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	<p>Assane Beye: Post-harvest losses of vegetables in Senegal: From on farm data to national scale impact</p> <p>Regine Tchientche Kamga: Drivers of Postharvest Losses in Traditional African Vegetables and Barriers for Improving Incomes and Nutrition of Actors in Cameroon</p> <p>Martin Agyemang: Assessing drivers of postharvest losses in the raw cashew nut supply chain: a tangible and intangible resources perspective</p> <p>Abrar Sualeh: Indigenous Knowledge, Postharvest Handling Practices, Losses and Determinants: The Case of Coffee in BenchMaji and Sheka Zones of Ethiopia</p> <p>Discussion Session</p>	<p>Demba Diakhate: Mechanizing the processing of pearl millet in Senegal: The role of research and technology adoption</p> <p>Emmanuel Arthur: Assessment of PICS Bag for Maize Storage in Ghana</p> <p>Francis Okori: Understanding awareness, knowledge, and constraints to adoption of grain hermetic storage in Northern Uganda</p> <p>Ma. Cristine Concepcion D. Ignacio: Predicting Oxygen Depletion during Grain Storage using Hermetic Bag Technology</p> <p>George Obeng-Akrofi: Evaluation of Hermetic Bag Technology for Storage Preservation of Shea Nuts in Rural Ghana</p> <p>Ismael Mayanja - The Journey Towards Reducing Post-Harvest Losses Through Developing Intermediate Technologies for Small-Scale farmers in Uganda</p> <p>Ma. Cristine Concepcion D. Ignacio: Analytic Hierarchy Process Applied to the Ranking of Commercially Available Hermetic Bag Liners</p> <p>Discussion Session</p>	<p>Duke Omayio: Effect of different pulping methods on the physicochemical properties of the Kenyan red and white-fleshed guava pulp</p> <p>Eliud Wafula: Controlled Fermentation of African nightshade (<i>Solanum scarbrum</i>)-a comparative study on nutrient composition and reduction of food-borne pathogens</p> <p>Hayat Hassen Mohammed: Effect of Pretreatments and Solar Tunnel Dryer Temperature on Proximate and Bioactive Components of Pumpkin (<i>Cucurbit maxima</i>) Pulp Powder</p> <p>Fatimat Adebayo: Comparative Assessment of Dried Moringa Leaves for Diet Supplementation in Sub-Sahara Africa: A Case Study of Nigeria</p> <p>Vida Opoku Edusei: Evaluation of some Selected Mango Varieties for Fruit Powder Production in Ghana</p> <p>Frank Sangija: Trends and constraints in the utilization of African nightshade (<i>Solanum nigrum</i> complex) in Tanzania: A case study of Kilimanjaro and Morogoro regions</p> <p>Frank Sangija: Trends and constraints in the utilization of African nightshade (<i>Solanum nigrum</i> complex) in Tanzania: A case study of Kilimanjaro and Morogoro regions</p> <p>Discussion Session</p>
10.30 – 10.45 AM	BREAK		
10.45 – 12.15 PM (90 minutes)	<p>WS - 3C (Applicable Technologies for Postharvest Quality Preservation: Non-perishable Crop Commodities)</p> <p>Session Moderator: Ing. Joseph O. Akowuah</p> <p>Session Rapporteur: Gloria Essilfie</p> <p>Oral Presentations (10 minutes each)</p> <p>Elijah Akindele: Use of Polyurethane Insulated chambers to reduce post-harvest losses for the Nigerian market</p>	<p>WS 3D (Applicable Technologies for Postharvest Quality Preservation and FLW Reduction: Perishable Non-crop Commodities)</p> <p>Session Moderator: Vijay Yadav</p> <p>Session Rapporteur: Rashid Suleiman</p> <p>Oral Presentations (10 minutes each)</p> <p>Augustine Okoruwa: Potential Socio-Economic Impact of Replacing Traditional Woven Baskets with Reusable Plastic Crates on Livelihoods of Basket Makers in Southeast Nigeria</p>	<p>WS 3E (Value Addition in Perishable Crop Commodities to Reduce Food Loss and Waste)</p> <p>Session Moderator: Willis Owino</p> <p>Session Rapporteur: Duke Gekonge</p> <p>Oral Presentations (10 minutes each)</p> <p>Omar Peñarubia: Food Loss and Waste in Fish Value Chain: Addressing the Information Gap through an Online Repository</p>

	<p>Ismaila Aderulo: Molecular Characterization of Larval Morphotypes of Beet Webworm Moth <i>Spoladea Recurvalis</i> (Fabricius) (Lepidoptera: Pyralidae) as A Panacea to Postharvest Loss of Amaranths in Africa</p> <p>Muganyizi Jonas Bisheko: Major Constraints to Adoption of Improved Postharvest Technologies among Smallholder Farmers in Sub-Saharan Africa and South Asia: A Systematic Literature Review</p> <p>Mutiú Badmus: Reducing Orange Flesh Sweet Potato (OFSP) Losses and Waste: An Evaluation of Triple-S Technology in Northern Ghana</p> <p>Getachew Minas - Economic Analysis for Threshing/Shelling Machine Service Provision to reduce postharvest loss in Ethiopia.</p> <p>Boutaina Mounir: Freefreeze, a solar off-grid cold storage technology to save postharvest losses of smallholder farmers</p> <p>Evodius Waziri Rutta: Deploying Solar-powered Cold Storage Technologies to reduce Post-harvest Losses: Barriers and Opportunities in Tanzania</p> <p>Jane Ambuko: Hub and Spoke Innovation Model for Scaling Postharvest technologies: A Case Study of Small-scale Mango Processing Technologies in Kenya</p> <p>William T. Lanier: Harvest-tenure Promotes Innovative Technologies, Tools, Practices and Training to Reduce Postharvest Loss</p> <p>Francis O. Wayua: Climate-Smart Technologies for Postharvest Loss and Waste Reduction in Banana Value Chain in Kenya</p> <p>Discussion Session</p>	<p>Charles Singano: Can warehouse receipt systems and community grain banks be potential climate adaptation strategies for postharvest loss reduction in Malawi?</p> <p>Hory Chikez: Mango postharvest technologies: An observational study of the Yieldwise Initiative in Kenya</p> <p>Steve Sonka: An Economic Framework for Post-Harvest Loss Reduction</p> <p>Tanya Stathers: Interventions for reducing crop postharvest losses in sub-Saharan Africa: a systematic evidence synthesis and gap map</p> <p>Egbert Ngosa Munganama: Capacity Building in Post-Harvest Loss Management of Food Commodities to Increase Local Capacity for Sustainable Climate-Hazard Preparedness.</p> <p>Oluwatosin Komolafe: Impact of Tillage Practices on Growth and Yield of Crop- Can It Reduce or Increase Food Loss?</p> <p>Trust Kasambala Donga: Storability of Low and Highly Infested Maize in Purdue Improved Crop Storage (PICS) Bags</p> <p>Trust Kasambala Donga: Storability of Low and Highly Infested Maize in Purdue Improved Crop Storage (PICS) Bags</p> <p>Discussion Session</p>	<p>Peter Michael Oduor-Odote: Improved fried fish display shelves for women in the fried fish chain along Coastal Kenya: "The Mama Karanga box</p> <p>Joyce G. Maina: Evaluation of Post-harvest losses and potential for use of off-grid power systems in the Fisheries value chain in Kenya</p> <p>Francis G. Attoesi: Reducing Post-harvest Losses in <i>Dioscorea</i> spp. to Plant-Parasitic Nematodes Using Abamectin Treated Banana Paper in Krachi Nchumuru District of Ghana</p> <p>Gbadebo Olukuton: Investigation of Local Antagonistic Fungal Isolates as Potential Bio-Fungicides in the Post-Harvest Preservation of Tomatoes</p> <p>Mercyline Ong'awa: <i>Colletotrichum musae</i> of Banana (<i>Musa</i> spp): Current State of Knowledge and Phyto-sanitary Practices towards minimizing Post-harvest Losses – Review</p> <p>Discussion Session</p>
12.15 – 12.30 PM	BREAK		

<p>12.30 – 2.30 PM (120 minutes)</p>	<p>OFFICIAL OPENING SESSION</p> <p>Moderator: Dr. Janet Edeme Rapporteur: Prof. Olaniyi Fawole/Dr. Gloria Essilfie</p>	<p>REMARKS SESSION</p> <ul style="list-style-type: none"> • Opening remarks from the Host AUC – Amb. Josefa Sacko, Commissioner DREA (10 mins) • Congress overview (10 mins) - Technical Committee Chair – Prof. Jane Ambuko, • Opening remarks from invited guests (8 guests, 3-5 minutes each) <ul style="list-style-type: none"> • Betty Kibaara (Director, Rockefeller Foundation) • Stephen Kiama Gitahi (Vice Chancellor, University of Nairobi) • Prof Ruth Oniang’o (Sasakawa Africa Association) • Dr. Hameed Nuru (World Food Program) • Dr David Phiri (Sub-Regional Coordinator for Eastern Africa and FAO Representative to AU) • Ms. Evelyn Geurtsen (Director International Agribusiness & Food Security at the Netherlands Ministry of Agriculture, Nature & Food Quality) <p>Official Opening of the Congress -Honorable Oumer Hussein, Minister of Agriculture, Ethiopia</p> <p>TECHNICAL SESSION</p> <p>Framing Presentation on PHL Issues in African Context – Prof. Umezuruike Linus Opara, Stellenbosch University, South Africa</p> <p>Opening Keynote 1: Mr. Máximo Torero Cullen – Chief Economist, UN Food and Agriculture Organization (FAO)</p> <p>Opening Keynote 2: – Dr. Hans Hoogeveen - FAO Independent Chairperson of the Council, Champion 12.3</p> <p>Plenary Discussion</p>
<p>2.30 – 2.45 PM</p>	<p>BREAK</p>	
<p>2.45 – 4.15 PM (90 minutes)</p>	<p>PLENARY SESSION 1: SUBTHEME 1 FOCUS (Cost effective priority actions for FLW measurement within Africa)</p> <p>Moderator: Prof. Tanya Stathers Rapporteurs: Dr. Kizito Nishimwe and Prof. Willis Owino</p> <p>Lead Speakers</p> <ul style="list-style-type: none"> • Dr. Bruno Tran – International Institute of Tropical Agriculture (IITA) • Dr. Carola Fabi – United Nations Food and Agriculture Organization (FAO) <p>Panelists:</p> <ul style="list-style-type: none"> • Prof. Brighton Mvumi - University of Zimbabwe • Prof. Sheila Okoth - University of Nairobi • Dr Miezah Kodwo - Kwame Nkurumah University of Science & Technology • Dr Oluwatoba Omotilewa - African Development Bank <p>Plenary Discussion (40 minutes)</p>	

4.00 – 4.30 PM	HEALTH BREAK		
4.30 – 6.00 PM (90 minutes)	<p>PLENARY SESSION 2: SUBTHEME 2 FOCUS (Saving Africa’s harvest during and post COVID-19 Pandemic - lessons learnt, opportunities to strategize for future natural disasters and pandemics)</p> <p>Moderator: Dr. Dieudonne Baributsa Rapporteurs: Edoh Kukom Ognakossan and Prof. Brighton Mvumi</p> <p>Lead Speakers</p> <ul style="list-style-type: none">• Dr. Mel Oluoch – Sasakawa Africa Association• Mr Munhamo Chisvo - Jimat Development Consultants• Break-away session for all participants to discuss specific questions prepared by the thematic group (30 minutes)• Plenary reporting and discussion (30 minutes)		
6.00 – 6.15 PM	DAY TWO SESSIONS WRAP UP		
DAY 3 (15 TH September 2021)			
8.45 – 11.00 AM (135 minutes)	<p>WS 1B (Extent, Causes and Impacts of Food Loss and Waste of Durable Grain Crops)</p> <p>Session Moderator: Prof. Willis Owino Session Rapporteur: Dr Kizito Nishimwe</p> <p>Oral Presentations (10 minutes each)</p> <p>Delphine Mapiemfu-Lamare: Specificities of rice (<i>Oryza spp</i>) post-harvest practices and losses in Ndop hub, Cameroon</p> <p>Aoga Antoine: Postharvest Loss Assessment along the Rice Value Chain in Bunkure LGA, Nigeria</p>	<p>WS 3F (Value Addition in Perishable Non-Crop Commodities to Reduce Food Loss and Waste)</p> <p>Session Moderator: Rashid Suleiman Session Rapporteur: Dr. Vijay Yadav</p> <p>Oral Presentations (10 minutes each)</p> <p>Francis Appiah Adu-Amankwah: Effect of Processing Methods and Gamma Irradiation on the Quality and Shelf-Life of Squid (<i>Doryteuthis sibogae</i>)</p> <p>Francis O. Wayua: Tomato Postharvest Handling Practices by Smallholder Farmers in Major Tomato Growing Areas of Kenya and Options for Loss Reduction</p>	<p>WS 2 (Saving Africa’s harvest during and post COVID-19 Pandemic - lessons learnt, opportunities to strategize for future natural disasters and pandemics)</p> <p>Session Moderator: Prof Brighton Mvumi Session Rapporteur: Edoh Kukom Ognakossan/ Charles Dhewa</p> <p>Oral Presentations (10 minutes each)</p> <p>Abiola Ojeleye: The impact of COVID-19 pandemic lockdown on loss of tomato (<i>Lycopersicon lycopersicum</i>) fruit in South Western Nigeria</p> <p>Adeyemi AJAO: Post-harvest handling of Smoked dried fish against insect pest and strategies during and post COVID-19 Pandemic in Africa: A Review</p>

	<p>Godfrey Wokorach: Mycotoxins occurrences among four staples food in northern Uganda</p>	<p>Klein Ileleji: Comparison of some Quality Parameters of Dried Fruit and Vegetable Crops using Open-Air Sun Drying and a Novel Portable Solar Dryer</p>	<p>Ibrahim Baoua: Impact of covid-19 on input/output markets and implication for postharvest management</p>
	<p>Ibrahim Muhammad Abdul: Postharvest Losses and Management Practices of Millet in Yobe State, Nigeria</p> <p>Paul Houssou: Extent of and causes of cowpea grain postharvest losses under smallholder farmers' management in Benin</p> <p>Joseph Galani: Determinants of postharvest losses of maize at producer level in different agroecology settings of Malawi and Tanzania</p> <p>Ibrahim Kadigi: An economic analysis of food losses in the maize value chain in the South-West and Northern-Eastern parts of Tanzania</p> <p>Kumera Neme: Postharvest Loss Assessment of Sesame (<i>Sesamum indicum</i> L.) Seeds in Ethiopia</p> <p>Yonas Meheretu: Peri-urban pest rodents and storage losses in Northern Ethiopia</p> <p>Julia Shuck: No Grain Left Behind: American Midwest Corn and Soy Harvest Efficiency Study</p> <p>Discussion Session</p>	<p>Kwanele Nxumalo: Efficacy of chitosan edible coating functionalized with four medicinal plants extracts in alleviating shrivel and maintaining the quality of purple granadilla</p> <p>Naphis Bitange: Effects of Mode and Timing of Calcium Application on Tissue Calcium and Shelf Life of Mango Fruits</p> <p>Olaniyi A. Fawole: Edible coatings for the sustainability of the fruit industry: case studies on strategic industry-university partnerships in South Africa</p> <p>Adaeze Joy Ubaka: Small Scale Post-Harvest Practices: A Key to Sustainable Food System</p> <p>Deirdre Holcroft: Protecting perishable crops with packaging: Evidence for reducing postharvest losses from the Ceres2030 scoping review</p> <p>Discussion Session</p>	<p>Charles Dhewa: Postharvest Markets and Access to Information under COVID-19 in Zimbabwe</p> <p>Dieudonne Baributsa : Safeguarding food and seed assets in Sierra Leone during the Ebola crisis- Lessons for COVID-19</p> <p>Hippolyte Affognon: COVID-19 pandemic and food losses in Mali</p> <p>Ifesinachi Utazi : The Impact of COVID-19 Pandemic on Post-harvest Crops Regarding Sustainable Food Systems in Nigeria</p> <p>Joseph J Mpagalile: Identification and understanding challenges and impacts of COVID-19 pandemic on food loss in Mali and Sierra Leone</p> <p>Michael Brander: Improved storage mitigates vulnerability to food-supply shocks in smallholder agriculture during the COVID-19 pandemic</p> <p>Munhamo Chisvo : Impact of COVID-19 on postharvest handling and storage of crop and animal products: implications on food and nutrition security in the SADC region</p> <p>Discussion Session</p>
11.00 – 11.15 AM	BREAK		
11.15 – 12.45 PM (90 Minutes)	<p>POSTER SESSION 1 (Extent, Causes and Impacts of Food Loss and Waste in Selected Vegetable, Fruit, Grain and Tree Crops)</p> <p>Session Moderator: Dr Kizito Nishimwe Session Rapporteur: Dr Rashid Suleiman Poster pitch (3 minutes each)</p>	<p>POSTER SESSION 2 (Scaling out of innovative postharvest technologies in sub-Saharan Africa: lessons and progress)</p> <p>Session Moderator: Dr. Vijay Yadav Session Rapporteur: Olubukola Odeyemi Poster pitch (3 minutes each)</p>	<p>POSTER SESSION 3 (Scaling out of innovative postharvest technologies in sub-Saharan Africa: lessons and progress)</p> <p>Session Moderator: Ing. Joseph O. Akowuah Session Rapporteur: Gloria Essilfie Poster pitch (3 minutes each)</p>

	<p>Birmaduma Gadisa: Why Ethiopian Meat Considered as Dark Cutting and Unsuitable for the Export Market: Lessons Learned from Production Scenario</p> <p>Brown Gwambene: Perceptions and practices on postharvest management investment for resilient livelihoods in the Uporoto highlands of Tanzania</p>	<p>Adegoke Adetoro: Physicochemical Attributes, Phytochemical Properties and Antioxidant Capacity of Dried Pomegranate (<i>Punica granatum</i>) Arils as Affected by Cultivar</p> <p>Andrew Egala: Farmer2Consumer ICT4ag integrated application</p>	<p>Issah Sugri: Improving Postharvest Operations and Efficiency in Northern Ghana: The Case of Maize Threshing Machines</p> <p>James Ndambuki Musyoka: Improved Precooling Technology for Extending Shelf life of Perishable Agri-Produce in Kenya</p>
	<p>David Kofi Dokli: Examining Agronomic Data of Maize in Farmer-Fields: Koforidua Oyoko of Ghana and Pre- /Post-Harvest Loss Reduction in Perspectives.</p> <p>Ebisa Oliko Keyata: Production, Handling practices, and utilization trends of some neglected plants in traditional farming systems of Benishangul-Gumuz Region of Ethiopia</p> <p>Emmanuel Bamidele Tologbonse: Needs Assessment of Post-Harvest Management Practices of Major Food Crops In Nigeria.</p>	<p>Bernard Moonga: Reduction of postharvest losses of African indigenous vegetables using low-cost storage technologies: Ethiopia mustard & Spider plant</p> <p>Brenda Moraa Kimang'a: Application of Botanical Treatments and Packaging Technologies in the Preservation of Postharvest Quality of Tomatoes</p> <p>Christine Kasichana Masha: Formulation, acceptability and nutritional value of cassava root - leaf flakes</p> <p>Elohor Oghenechavwuko Udoro: Thermal and functional properties of chemically pre-treated cassava flour using response surface methodology</p>	<p>Joel Kapsiya: Reducing Postharvest Losses-A Panacea to Sustainable Food Security in Nigeria (A Conceptual Review)</p> <p>Judith Okolo: Edible Coating Preservation for Tropical Fruits: A Sustainable Health and Eco-Friendly Technique</p> <p>Justa Kathambi: Effect of Coolbot™ Cold Storage and Modified Atmosphere Packaging on Shelf Life and Postharvest Quality of Kale.</p> <p>Oluwatosin Kareem: Comparative Evaluation of the Effects of Pretreatments on the Nutritional and Chemical Properties of Ginger Leaf-Based Herbal Tea</p>
	<p>Khuthadzo Mugodo: Vegetable Losses Experienced by Smallholder Farmers in Gauteng Province of South Africa: Preliminary Study Finding</p>		
	<p>Kinde Lamessa: Physically Quality of Coffee (<i>Coffea arabica</i> L.) as Affected by Harvesting Methods and Drying Materials</p> <p>Lamyaa Zelmat: Identification and assessment of the causes of onion (<i>Allium cepa</i> L.) postharvest losses in Khémisset region of Morocco</p> <p>Marie Goretti Umuhozariho: Perception of Stakeholders on Postharvest Losses of Maize in Rwanda: The Main Causes and Potential Solutions</p> <p>Mary Oyunga: Knowledge and perceptions on importance of post-harvest handling and value addition of the African Leafy Vegetable in western Kenya</p> <p>Melkayo Geremu Abdissa: Causes of Postharvest Losses in Avocado Fruits, and Identification of Associated Fungal Pathogens in Hossana Town Market. Southern Nations, Nationalities and Peoples' Regional State of Ethiopia</p>	<p>Emmanuel Kyereh: Challenges with Effective Packaging of Locally Processed Foods in Ghana</p> <p>Esther K. Ateka: Effects of Fortifying Wheat-Sorghum Composite Flour with Omena (<i>Rastrineobola Argentea</i>) on Nutrient Composition of Biscuits</p> <p>Esther Sakyi-Dawson: Use of Plantain Leaves and Plantain Pseudo-Stem as Low-Cost Packaging Material Option to Maintain Quality and Reduce Post-Harvest Losses in Plantain (<i>Musa paradisica</i>)</p> <p>Francis Amoah: The need for adoption of improved technologies to address challenges in small-scale cassava processing in Ghana</p> <p>Frank Sangija: Effect of lactic acid fermentation on nutritional and antinutritional compounds in African nightshade</p>	<p>Karen Wambui: Evaluation of the effect of Harvest Stage and Nitrogen Fertilization on Postharvest Shelf life of Black Nightshades (<i>Solanum nigrum</i>) and Kales (<i>Brassica oleracea</i> var. <i>acephala</i>).</p> <p>Mandeep Sharma: Postharvest Loss Initiatives in Palm Oil for TRIDOM with Focus on Cameroon</p> <p>Maryam Adegboyega: Food Waste Management in Reducing Economic Burden of Post-Harvest Loss (Phl) In Africa</p> <p>Nasser Kasozi: Nutrient composition of fish protein powder developed from <i>Brycinus nurse</i> (Rüppell, 1832)</p> <p>Njilar Rita Mungfu: Assessment and Characterization of Existing Postharvest Handling Techniques of Malay Apple (<i>Syzygium Malaccense</i> [L.] Merr & Lm Perry) in the Mount Cameroon Region</p>

	<p>Nezif Abamecha: Assessments of red pepper postharvest storage in Jimma zone Ethiopia</p>	<p>Franklin N. Mabe: Field Crop Loss to Small Scale Mining in Ghana: Coping Strategies for Sustainable Food Supply</p> <p>Funmilayo Mary Oloyede: The Effect of Storage Periods on Selected Nutritional Values of Pumpkin Fruits (<i>Cucurbita pepo</i> Linn.)</p>	<p>Olubukola Odeyemi 2: Functional properties and food applications of African star apple (<i>Chrysophyllum albidum</i>)</p> <p>Olumuyiwa Babarinsa: Postharvest Deterioration and Biochemical Changes in Biofortified Cassava Stored in an Evaporative Cooling Structure</p>
	<p>Discussion Session</p>	<p>Gemechu Geleta: Assessment of Handling Practices, Physicochemical and Microbiological Quality of Honey along the Supply Chain from Gera District to Jimma Town, Southwestern Ethiopia</p> <p>George Obeng-Akrofi: Application of the Analytic Hierarchy Process in the Selection of a Storage Bag for Shea Nuts Storage in Ghana: Case Study of Ullo, a Shea Growing Community in Northern Ghana</p> <p>George Obeng-Akrofi 2: Selection of an Appropriate Biomass Burner for Drying Maize in a Column Dryer Using the Analytic Hierarchy Process (AHP)</p> <p>Gilberthe Uwera Benimana: Impact of Hermetic Maize Storage Technology Adoption on Smallholder Farmers' Income in Gatsibo District, Rwanda.</p> <p>Grace Gachara: Aspergillus Colonization and Aflatoxin Contamination of Post-harvest Maize in East Africa: Systematic Review and Present Status</p> <p>Harun Odhiambo: Colletotrichum gloeosporioides Damage in Avocado (<i>Persea americana</i>): Integrated Phyto-sanitary Approaches towards Sustainable Postharvest Management – Review</p> <p>Rene Oostewechel: Postharvest Standard Operating Procedures; The basis for loss reduction, new trading systems, financing and training</p> <p>Rene Oostewechel: Postharvest Standard Operating Procedures; The basis for loss reduction, new trading systems, financing and training</p> <p>Discussion Session</p>	<p>Pankaj B. Pathare: Bruise susceptibility and quality attributes of banana affected by mechanical impact and storage</p> <p>Patience Ujiro Odueme: Effect of Harvest Maturity Stage and Storage Media on the Harvest Quality of Tomato (<i>Lycopersicon esculentum</i> Mill)</p> <p>Poornima Nagaraj: Effective Hermetic Storage Solution in Preventing Postharvest Losses of Food Grains</p> <p>David T. Ishola: Inclusion of <i>Andrographis paniculata</i> Leaf into Wheat-Pearl Millet based Flour Blends: An Index Effects of the Inclusion and Blends Nutritive Values.</p> <p>Wolfgang Mittmann: A scalable, digital platform for grain storage and trading eliminates post-harvest losses and allows smallholders and rural entrepreneurs to increase incomes</p> <p>Willis Owino: Maturity Indices of Specific Mango Varieties produced at medium altitude agro-ecological zone in Kenya</p> <p>Martin Aluga: Green Nanomaterials for Post-Harvest Management of Fruits and Vegetables</p> <p>Adugna Bikila: Drying Behavior of Anchote (<i>Coccinia Abyssinica</i> (Lam.) Cogn.) Tuber Slices as Affected by Pre-drying Treatments and Drying Temperature</p> <p>Discussion Session</p>
12.45 – 1.00 PM	BREAK		

1.00 PM – 2.30 PM (90 minutes)	<p>PLENARY SESSION 3: SUBTHEME 3 FOCUS (Scaling out of innovative postharvest technologies in sub-Saharan Africa: lessons and progress)</p> <p>Moderator: Brett Riersen</p> <p>Rapporteurs: Dr. Joseph O. Akowuah and Dr. Vijay Yadav</p> <p>Lead Speakers</p> <ul style="list-style-type: none"> • Heiko Furing – Buhler Group • Damian Ihedioha - African Development Bank (AFDB) <p>Panelists</p> <ul style="list-style-type: none"> • Dr. Deirdre Holcroft - Holcroft Postharvest Consulting • Lisa Kitinoja – Postharvest Education Foundation • Mr. Andrew Gatheca – Global Development Incubator, Kenya • Mr. Gerald Masila – Eastern Africa Grain Council (EAGC) • Mr. Nnaemeka Ikegwuonu - ColdHubs Ltd, Nigeria <p>Plenary Discussion</p>
2.30 – 2.45 PM	BREAK
2.45 – 4.15 PM (90 minutes)	<p>PLENARY SESSION 4: SUBTHEME 5 FOCUS (Innovative Financing Mechanisms for Upscaling Postharvest Interventions)</p> <p>Moderator: Dr. Dirk E. Maier</p> <p>Rapporteur: Ms. Karen Munoko and Prof. Klein Ileleji</p> <p>Lead Speaker: Victoria Madedor – Bank of Industry Investment & Trust Co Ltd, Lagos, Nigeria</p> <p>Panelists</p> <ul style="list-style-type: none"> • Mr. Benjamin Kusi – Self-Help Africa • Prof. Enock Stanley Ugulumu – Micro Finance Institute, Iringa, Tanzania • Dr. Edward Agaba – Alliance for a Green Revolution in Africa (AGRA) • Dr. Geeta Sethi – World Bank Group • Mr. Michael Obanubi, Director, Finance and Economics, Wellspring Development Capital, Bristol, United Kingdom <p>Plenary Discussion</p>
4.15 – 4.30 PM	BREAK
4.30 – 7.00 PM	Special Session Sponsored by Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss
	DAY 3 WRAP UP

DAY 4 (16TH September 2021)

8.45 – 11.00 AM

(135 Minutes)

WS 4 (Trade, business and economic transformation opportunities in postharvest solutions)

Session Moderator: Prof. Klein Ileleji

Session Rapporteur: Dr. Scott Bellows / Karen Musikoyo

Oral presentations (10 minutes each)

Duke Omayio: Opportunities and challenges in processed local fruits and vegetables: the case of small-scale Food Processors among Kenya farmers

Etse Yawo Dzakpa: Exploring circular bioeconomy of selected vegetables postharvest in West Africa.

Gideon E. Onumah: Trade, business and economic transformation opportunities at postharvest: the case of the Sorghum VC in Northern Ghana

Heike Axmann: Promising climate smart business cases for smallholder rice farmers in Nigeria by introducing mechanization

Lila Cardell - Farmers opt out of storage because its risky – a new explanation for a long-standing puzzle

Olufunke Adebola: Market based approaches for postharvest loss reduction in Northern Ghana

Roberta Lauretti-Bernhard: Business Opportunities for Improving Food Safety and Postharvest Loss in Ethiopia, Rwanda and Senegal

Seydou Zakari: The drivers of smallholder market participation in the Sahel, Niger

WS 5 (Financing postharvest loss reduction initiatives; business cases/models in postharvest loss reduction; innovative financing mechanisms for upscaling postharvest interventions)

Session Moderator:

Session Rapporteur

Oral presentations (10 minutes each)

Aggrey Siya: Climate change perceptions and adaptation by Sebei pastoralists, Mt Elgon, Uganda

Daudi Mungule Chikoye : Business Models in Postharvest Loss Reduction

Joseph O. Akowuah: Economic and Financial Analysis of A Flatbed Dryer for Maize Drying Using Biomass Heat Source

Lukas Stiefel: Adoption and Impact of Hermetic Storage Bags – Experimental Evidence from Smallholders in Ethiopia

Michael Obanubi: Business opportunities to reduce post-harvest loss of nutritious foods: Modelling the return on investment of field-ready technologies in Nigeria.

Susan Ndung'u: Willingness to accept compensation for a shift to contamination free vegetable production by urban and peri-urban farmers in Nairobi, Kenya

Samuel Danilola: Consumers' perception and willingness to pay for processed fluted pumpkin in Northcentral, Nigeria

WS 6 (Enabling policies, effective national/regional strategies, experience sharing, Collaborating, Learning and Adapting)

Session Moderator: Cephas Taruvunga

Session Rapporteur: Joseph Mpangalile

Oral presentations (10 minutes each)

Dorcas Tawonashe: Role of Policy on Minimizing Post-Harvest and Food losses

Fernando Vinícius da Rocha: Food security efficiency metrics: a cross country comparison

Fernando Vinícius da Rocha: Postharvest Loss, ICT, New Technologies and Alternative Practices: a Bibliometric and Network Analysis

Mexford Mulumpwa: A call for women inclusiveness in fish value chain in Malawi

Monica Ermoli: Understanding awareness and policy context for reducing mycotoxin contamination and food and feed losses in African

Naftaly Mwirigi: Heavy metal concentrations in small pelagic fish from Lake Victoria, Kenya: The case of Dagaa fishery

Brighton M. Mvumi: Status of Postharvest Management Policies in sub-Saharan Africa

Epiphany Karekezi: Combating Aflatoxin in the maize value chain in Rwanda

Gebre Garmame Galgaye: Household Level Food Security and Livelihood Diversification in Pastoral Districts of Guji, West Guji, and Borena Zones, Southern Ethiopia

	Discussion Session	Discussion Session	Hysum Ibrahim Mohammed Muhmode: Socio-economic Impact of the Postharvest Loss project on Smallholder Farmers Welfare, Food Security and Awareness in Sub-Saharan Africa Discussion Session
11.00 – 11.15 AM	BREAK		
11.15 – 12.45 PM (90 Minutes)	<p>WS 1C (Food Loss and Waste Data and Socio-Economic and Environmental Impacts)</p> <p>Session Moderator: Dr Kizito Nishimwe Session Rapporteur: Dr Rashid Suleiman</p> <p>Oral presentations (10 minutes each)</p> <p>Hory Chikez: Life Cycle Assessment (LCA) of mango cold storage technologies in Kenya</p> <p>Yigezu A. Yigezu: Food loss and waste in Egypt and Morocco: implications for food and energy security, resources, and greenhouse gas emissions</p> <p>Thiago Guilherme Péra: An analysis of postharvest grain losses in Brazil under different sustainability metrics</p> <p>Tanya Stathers: Examining legume postharvest loss data to expand the crop coverage of the African Postharvest Losses Information System (APHLIS)</p> <p>Sharon Mayienga: Research on the measurement of harvest and post-harvest losses; Minimum Losses by Commodity and Region: Insights from the Literature</p> <p>Jan Broeze: Fast screening method for food loss assessment to stimulate adoption of loss-reducing interventions</p> <p>Theresa N. Ngoma: Addressing Participants' Subjectivity during Physical Measurement of field Postharvest Losses: Proposed Approaches</p>	<p>WS 3G (Postharvest Entomology, botanical applications)</p> <p>Session Moderator: Ing. Joseph O. Akowuah Session Rapporteur:</p> <p>Oral presentations (10 minutes each)</p> <p>Mubayiwa Macdonald: Field evaluation of hermetic and synthetic pesticide-based technologies in smallholder sorghum grain storage in hot and arid climates</p> <p>Mubayiwa Macdonald: Field evaluation of alternatives to synthetic pesticides in cowpea (<i>Vigna unguiculata</i> (L.) Walp) grain storage under contrasting climatic conditions</p> <p>Tigist Kefale: Cost-Benefit Analysis of Purdue Improved Crop Storage Bags for Maize Storage among Smallholder Farmers in Northwest Ethiopia</p> <p>Winifred Atugonza: Effect of triple-layer hermetic bags on the biochemical and physicochemical characteristics of whole and degermed maize flour in Uganda</p> <p>Winifred Atugonza: Effect of triple-layer hermetic bags on the biochemical and physicochemical characteristics of whole and degermed maize flour in Uganda</p> <p>Mekbib Hilegebrile Seife: Available and Affordable Postharvest Loss Reduction Technologies: Experiences from Ethiopia</p> <p>Mekbib Hilegebrile Seife: Postharvest losses of tomatoes and the impact of reusable plastic crate technology on profitability of tomato fruits in Ethiopia</p>	<p>WS 3H (Capacity Building Initiatives/Approaches for PHL management and control)</p> <p>Session Moderator: Vijay Yadav Session Rapporteur:</p> <p>Oral presentations (10 minutes each)</p> <p>Aditya Parmar: Enhancing the Shelf-Life of Fresh Cassava Roots: A Field Evaluation of Simple Storage Bags</p> <p>Desta Dugassa Fufa: Effect of Using Plant Extract with Coating Material on Physicochemical Quality of Tomato Fruit (<i>Solanum lycopersicum</i> L.) Stored at Ambient Temperature</p> <p>Issoufou Amadou: Hermetic bags preserve the quality of dried fruits (<i>Ziziphus mauritiana</i> (L)) in Niger</p> <p>Emmanuel Amwoka: Evaluation of the Effectiveness of Low-Cost Cold Storage Options to Preserve Postharvest Quality of Mango</p> <p>Anurag Dagar: Tomato fruit skin defects and their contribution to postharvest losses</p>

	Jacob Ricker-Gilbert: The Economics of Post-Harvest Loss and Loss-Preventing Technologies in Developing Countries Discussion Session	Discussion Session	Discussion Session
12.45 – 1.00 PM	BREAK		
1.00 – 2.45 PM (105 minutes)	PLENARY SESSION 6: SUBTHEME 6 FOCUS (Enabling policies, effective national/regional strategies, experience sharing, Collaborating, Learning and Adapting) Moderator: Dr. Martin Bwalya Rapporteurs: Mr. Cephas Taruvinga and Mr. Joseph Mpagalile Lead Speakers <ul style="list-style-type: none"> Mr. Komla Bissi – African Union Commission (AUC) Dr. Divine Njie - United Nations Food and Agriculture Organization (FAO) Panelists <ul style="list-style-type: none"> Dr. Honest Kessy – Director of Food Security Department, Ministry of Agriculture Tanzania Mr. Mohammed Mousa – Director of the Agriculture and Environment Division, IGAD Ms. Dorcas Tawonashe – Deputy Director Strategic Policy Planning, Ministry of Agriculture Zimbabwe Mr. Esayas Lemma – Director, Directorate of Crops, Ministry of Agriculture, Addis Ababa, Ethiopia Plenary Discussion		
2.45 – 4.15 PM (90 minutes)	CLOSING PANEL DISCUSSION – The Roadmap to Realization of Malabo 2014 and SDG 12.3 Targets Moderator: Lindiwe Sibanda (Director and Chair: ARUA Centre of Excellence in Sustainable Food Systems, University of Pretoria South Africa/Champion 12.3) Rapporteurs: DISCUSSANTS <ul style="list-style-type: none"> Prof. Dirk Maier – Consortium for Innovations in Postharvest Loss and Food Waste Reduction Mr. Cephas Taruvinga – Postharvest Policy Consultant Dr. Rosa Rolfe – United Nations Food and Agriculture Organization (FAO) Dr. Craig Hansen – World Resources Institute, Champion 12.3 Prof. Umezuruike Linus Opara – Stellenbosch University, South Africa 		
4.15 – 5.30 PM (90 minutes)	CLOSING SESSION Moderator: Dr. Douglas Ouma <ul style="list-style-type: none"> Reading of the Congress Communique Award of Prizes – Sponsor/Chief Guest Vote of thanks – Host (AUC) Closing Remarks <ul style="list-style-type: none"> H.E. Mr. Henk Jan Bakker, Ambassador of the Netherlands Dr. Boaz Keizire Blackie – Alliance for a Green Revolution in Africa (AGRA) FAO 		