



## PEF President's Message

It is good to see that the world is now slowly reviving back from the pandemic situations and many programs are being conducted in-person or in hybrid mode. The Covid-19 has amplified the importance of the cold-chain, may it be for meeting the continuous demand for healthy food, to keep the food supply chains flowing or to develop distribution strategies for the vaccines. And it is positive news that a lot of emphasis is being given to interdisciplinary approach for global cold chain development in a 'sustainable way'. A strategic planning summit held in March at Washington DC is an example of it, which attracted global experts in cold-chain and food enterprises, to increase the impact of existing programs and to avoid duplication of efforts. Looking forward for more such initiatives.



**Dr. Vijay Yadav Tokala**  
President  
vijayyadav.t@postharvest.org

## Food Systems – Game Changers Lab



**Food system – Game Changers Lab**, an interactive program that aimed to support food systems innovators to develop ideas and bring them in to practice. The lab had 505 participants from 85 different countries and designed **24 promising cohorts** with game changing, collective food systems solutions borne of collaboration. Each cohort has a clear outline of their respective food systems challenges, actionable solution sets, and

work with other individuals and organizations to bring their visions to reality. The **Cohort 5** aims to **Reducing Food Loss and Waste** with a set of solutions to achieve it. **Dr Lisa Kitinoja** provided strategic advisory services for the cohort by suggesting possible solutions and to develop project proposals.



## Accelerating Sustainable Cold-Chain Deployment in Africa



Sustainable Cold Chain in Africa – Meeting participants



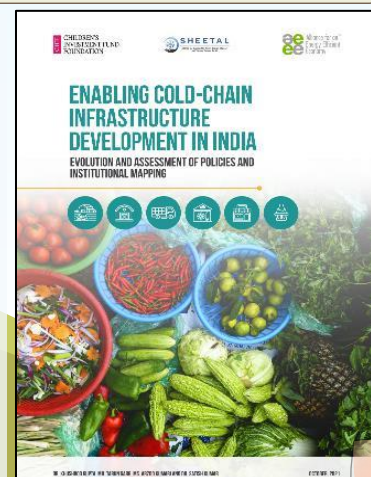
Amanda Brondy presenting in the summit

A Strategic Planning Summit was co-organised by the Millennium Challenge Corporation (MCC), the United Nations Environment Programme's United for Efficiency initiative (UNEP U4E), the Centre for Sustainable Cooling and the U.S. Department of Agricultural (USDA). Relevant experts from the public, private, and civil society communities were invited by the organizers. The goal of the Summit was to identify

concrete opportunities for collaboration and investment to enhance the impact of existing initiatives and avoid duplication of effort. **Amanda Brondy** (2021 PEF E-learning Graduate), Senior Director for International Projects at GCCA moderated a discussion on coordinating policy interventions and outreach.

## Enabling Cold-chain Infrastructure Development in India

“Enabling Cold-chain Infrastructure Development in India: Evolution and Assessment of Policies and Institutional Mapping” report briefly summarises the institutional and policy development of cold-chain in India, (a) highlighting the various institutions/actors and their role(s) in cold-chain policy formulation and implementation. (b) mapping the past policies, plans and other government initiatives providing a historical context to the present policy narrative on cold-chain in India, and (c) identifying the deficiencies/gaps in the existing policies, missing links in policies and paving the way forward.





## Cooperative Ventures Awards Jacinta Nyaika – Malawi



Farmer's practical for vegetable nursery production



Jacinta presenting plastic crates to farmer group

**Jacinta Nyaika**, Cooperative Ventures Awardee has conducted farmer training in collaboration with the Ministry of Agriculture and Food Security, Dedza District Agriculture Development Office. The training was conducted with farmers who belonged to Mayiwathu Cooperative, which process vegetable crops into different food products such as tomato jam and soy yoghurt. 35 farmers attended the planned activities in December 2021. The topics of the training included : (i) Good Agricultural Production Practices, (ii) Postharvest handling of vegetables, (iii) Use of plastic crates and its gross margins, (iv) Storage options for the vegetables.

Read the full report at: [http://postharvest.org/Jacinta\\_Malawi.pdf](http://postharvest.org/Jacinta_Malawi.pdf)

## Call for papers – Postharvest

- Special Issue “**Postharvest Management of Fruits and Vegetables**” – Issue editors – **Prof (Dr) Eleni Tsantili and Dr Jinhe Bai**. For more information : [Foods | Special Issue : Postharvest Management of Fruits and Vegetables \(mdpi.com\)](#)
- Topic “**Advances in Pre- and Postharvest Applications to Reduce Qualitative and Quantitative Food Loss and Waste**” – Topic editors – **Dr Hossam El-Beltagi, Dr Mohamed El-Mogy, Dr Tony Chen and Dr Aditya Parmar**. For more information: [Advances in Pre- and Postharvest Applications to Reduce Qualitative and Quantitative Food Loss and Waste | Frontiers Research Topic \(frontiersin.org\)](#)



# The Postharvest Education Foundation

Website: [www.postharvest.org](http://www.postharvest.org) | E-mail: [postharvest@postharvest.org](mailto:postharvest@postharvest.org)

## 'ESCON, 2022: International Conference on "Recent Trends in Environmental Sustainability"



### Reducing Postharvest Food Waste by Upcycling into Innovative Food Products

**Vijay Yadav Tokala and Lisa Kitinoja**  
The Postharvest Education Foundation  
La Pine, Oregon 97739, USA  
[www.postharvest.org](http://www.postharvest.org)



Empowering people to reduce food losses...

### Our International Keynote Speakers



 Dr. Vijay Yadav Postharvest Education Foundation La Pine, Oregon, USA	 Dr. Lisa Kitinoja Postharvest Education Foundation La Pine, Oregon, USA	 Dr. Roshan Roshan Group Sciences Islamabad, Pakistan	 Dr. Ali Akbar Ali Akbar Pakistan Islamabad, Pakistan	 Dr. Raza Raza Group Sciences Islamabad, Pakistan	 Dr. Raza Raza Group Sciences Islamabad, Pakistan	 Dr. Raza Raza Group Sciences Islamabad, Pakistan	 Dr. Raza Raza Group Sciences Islamabad, Pakistan
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Organized by:  
Department of Environmental Sciences  
COMSATS UNIVERSITY ISLAMABAD, VEHARI CAMPUS



The 'ESCON, 2022: International Conference on "Recent Trends in Environmental Sustainability"' was organized by Department of Environmental Sciences, COMSATS University Islamabad, Pakistan from 21 -23 February 2022. The sub-themes covered topics such as environmental toxicology, ecological risk management, solid waste management and recycling, sustainable agriculture, climate dynamics, food safety etc. **Dr Vijay Yadav** represented PEF and presented on topic - "Reducing postharvest food waste via upcycling into new and innovative food products".

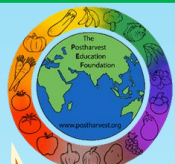
## ADMI – Webinar Series on Postharvest Loss Reduction

**Dr Vijay Yadav** presented a keynote lecture on the topic "Postharvest Temperature Management in Horticulture crops and need for sustainable options" at the conference arranged by ISHRAE - Ludhiana Chapter on 28 March 2022. He has highlighted that the sustainability of the horticulture cold chain can be possible by:

- (1) Increasing energy efficiency of the horticulture cold chain by proper postharvest handling (harvesting at a cooler time of the day, pre-cooling, sorting etc.);
- (2) Increasing usage of renewable sources of energy
- (3) Considering the usage of refrigerants with low Global Warming Potential (GWP) and Ozone Depletion Potential (ODP).







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## ADMI – Webinar Series on Postharvest Loss Reduction

The ADM Institute for the Prevention of Postharvest Loss is organizing a webinar series to bring together experts from universities, research institutions, non-profits, and the private sector to share best practices, lessons learned, and priorities in postharvest loss reduction.

Dr Lisa Kitinoja from PEF presented on the topic - "Informal Postharvest Capacity Building Training of Trainers Extension Education and Postharvest Training and Services Centers". The March 24 webinar was on the topic "Food systems perspectives in policy to address postharvest losses".



### IMPORTANCE OF CAPACITY BUILDING IN PROMOTING POSTHARVEST MANAGEMENT

February 23, 2022 8:30 a.m. CST

Strengthening institutional and human capacity is often overlooked in the mission of improving postharvest management. Research institutions and non-profits play critical roles in extension, knowledge sharing, farmer training, and enabling change. Join this webinar to hear success stories of integrating postharvest management training in ways that build capacity for people and institutions.



**Lisa Kitinoja**  
Founder & Director  
Postharvest Education Foundation



**Paul McNamara**  
Professor & Director  
AgResearch, University of Illinois



**Madhu Viswanathan**  
Professor & Founder  
Marketplace Literacy Project  
Loyola Marymount University

## PEF's 'Global Postharvest E-learning Program' is FREE to all!

Check the website for further details and register by completing Assignment #1:

[http://postharvest.org/postharvest\\_elearning\\_program1.aspx](http://postharvest.org/postharvest_elearning_program1.aspx)

## SUPPORT OUR WORK

The Postharvest Education Foundation is a 501(c)(3) non-profit public charity with aim to reduce global food losses, which are as high as up to 50%.

General donations to The Postharvest Education Foundation are used for 3 major program activities:

- Postharvest tool kit: For e-learners from developing country who complete their training (US\$400 each).
- Postharvest Closing Workshops for e-learning graduates (Estimated as \$1200 per e-learner).
- Travel Support: To pay for the travel expenses to attend international postharvest training programs (air tickets, hotels, food, local transport costs) (Estimated as \$1500-\$2000 per e-learner).

Kindly check our website (<http://www.postharvest.org/donate.aspx>) for other alternate ways to donate.

Thanks in advance for your tax-deductible donation, which will be used to train young horticultural professionals via low cost internet based programs, with reading assignments, fieldwork on improved practices for postharvest handling, storage, processing and marketing.

Mail us at [postharvest@postharvest.org](mailto:postharvest@postharvest.org) any postharvest related questions you wish to be answered.

Email us at [newsletter@postharvest.org](mailto:newsletter@postharvest.org) to subscribe to the PEF newsletter

Contact Us:

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