

POSTER PROGRAM



1. AGRIBUSINESS, VALUE CHAINS, AND THE BIOECONOMY

Poster presentations on Tuesday 1 November 2022 from 12:00-12:55

400	Techno-economic analysis of astaxanthin from <i>Haematococcus pluvialis</i> for edible cosmetics and thalassotherapy Mrs Ainnatul Adawiyah Ahmad Termizi, The University of Queensland, Australia
401	Information Communication Technology (ICT) impact on citrus value chain efficiency Dr Nadeem Akmal, Pakistan Agricultural Research Council, Pakistan
402	Role of policy in pulses industry value chains: A systematic literature review Mr Saroj Amgai, The University of Queensland, Australia
403	Effectiveness of the mall for youth entrepreneurship development in Kenya Ms Salome Asena, United States International University, Kenya
404	Market analysis of calamansi in Homonhon Island, Eastern Samar: Value chain approach Ms Hadasha Bongat, Visayas State University, Philippines
405	Business model and oil palm smallholders' income Dr Diana Chalil, Universitas Sumatera Utara, Indonesia
406	Motivation for adoption and non-adoption of organic vegetable farming in Vietnam Mrs Hai Dang, The University of Queensland, Australia
407	Empowering women in contract farming in Bangladesh's vegetable seed value chains Mrs Bisakha Dewan, The University of Queensland, Australia
408	Focus Farm Extension Approach: An experience from dairy smallholders' development project Mrs Vyta W Hanifah, National Research and Innovation Agency, Indonesia
409	Improving knowledge of dairy farming practices using women centred training Mrs Vyta W Hanifah, National Research and Innovation Agency, Indonesia
410	Participatory extension approach to enhance the adoption of best dairy farming practices Mrs Vyta W Hanifah, National Research and Innovation Agency, Indonesia
411	A review of export supply chains for Australian horticulture: Exploring efficiency dimensions Mrs Sabrina Haque, Central Queensland University, Australia
412	COVID-19 impacts and livelihood strategy based on agriculture during pandemic in Indonesia Dr Nurul Hilmiati, Indonesia National Research and Innovation Agency (BRIN), Indonesia
413	Assessment of biochar production potential from biomass residues in plantations in Vietnam Ms Trinh Huynh, University of the Sunshine Coast, Australia
414	Impact of donor investment in agriculture research and development sector of Pakistan Dr Munawar Kazmi, Australian Centre for International Agricultural Research (ACIAR), Pakistan
415	A regional information sharing network for breadfruit production in the Pacific Mr Ian Kennedy, Pacific Farmer Organisations, USA
416	Integrating carbon offsets into northern Australia's land use systems Dr Joe Lane, The University of Queensland, Australia
417	Leveraging gender relations in cocoa agricultural value chain of Davao City, Philippines Dr Aileen Lapitan, University of The Philippines, Philippines
418	Price transmission of African indigenous vegetables markets: A correlational analysis Dr Juma Magogo, KALRO, Kenya
419	Influence of livelihood assets on livelihood strategy of the smallholder rice farmers Mr Maryono Maryono, The University of Queensland, Australia
420	Enhancing market channel for vegetable purchase as a COVID-19 response in Indonesia Mrs Fajrina Nur, PT. East West Seed Indonesia, Indonesia
421	Agri- businesses digitalization in COVID-19 time in Lam Dong province, Viet Nam Dr Hoa Pham Thi, Lam Dong Crop Production and Plant Protection Department, Vietnam
422	Inconsistent interpretations of Entrepreneurial Orientation by SMEs & Sri-Lankan government officials: Misalignment Mrs Vanitha Prasannath, The University of Queensland, School of Agriculture and Food Sciences (SAFS), Australia; Eastern University, Sri Lanka
423	Analysis of tomato value chain of smallholder farmers in district Muzaffargarh, Pakistan Dr Rehan Riaz, Centre for Agriculture Bio-sciences International (CABI), Pakistan
424	Challenges faced by farmers in production technology of loquat value chain in Pakistan Dr Shweta Singh, The University of Queensland, Australia

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425	Understanding, integrating and mainstreaming gender into vegetable value chains in Pakistan Dr Sajida Taj, Pakistan Agricultural Research Council, Pakistan
426	A rapid market assessment for GAP certified vegetables in Northern Mindanao, Philippines Mr Gideon Niel Tan, Visayas State University, Philippines
427	Exploring young agricultural entrepreneurs' perceptions of institutions and support functions in Laos Ms Manithaythip Thephavanh, The University of Adelaide, Australia
428	Comparing the domestic market of virgin coconut oil in Rabi and Cicia Ms Luisa Wara, The University of the South Pacific, Fiji
429	Communicating the value of native food products in Australian retail markets Miss Clare Wijngaarden, The University of Queensland, Australia
430	Designing an enabling environment for nutmeg agribusiness development in Indonesia Dr Suci Wulandari, National Research and Innovation Agency, Indonesia
431	Nutritional and bioactive properties of Kakadu plum derived products Mr Yuntao Zhou, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
432	Prospects and challenges of demand-led plant breeding Prof Shimelis Hussein, University of Kwazulu-Natal, South Africa
433	Mungbean prominence in farmer cropping systems for nutrition and livelihood in Kenya Ms Rael Karimi, KALRO, Kenya
434	New developments in protoplast technology for Australia's top-secret narcotic Dr Jayeni Hiti Bandaralage, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI)

2. PREDICTIVE AGRICULTURE

Poster presentations on Monday 31 October 2022 from 12:30-13:25

435	Integrating co-design approach for farm diversification in the Gilbert Catchment, Northern Queensland Ms Lipy Adhikari, The University of Queensland, Australia
436	Haplotype-based GWAS and genomic prediction: Path to increase genetic gain in chickpea Mr Oluwaseun Akinlade, The University of Queensland, Australia
437	Digitising mango trees to understand physiology, growth and development using plant modelling Mr Dipendra Aryal, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
438	Machine learning for performance prediction in species with polyploid and hybrid genomes Mr Chensong Chen, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
439	Developing flexible models for genetic evaluations in smallholder crossbred dairy farms Dr Roy Costilla, Agresearch, New Zealand
440	Application of irrigation decision system in mango orchard in changing climate Dr Peter Cull, ICT International, Australia
441	Deployment of IoT sensors for water use estimation in Philippine mango orchard Dr Peter Cull, ICT International, Australia
442	ConstraintID: Web-based tool to identify soil variability and select sampling locations Dr Yash Dang, The University of Queensland, Australia
443	Partial replacement of maize with cassava root-moringa leaf and vegetable oil blends for finisher broilers Mr Tigris Havea, The University of the South Pacific, Tonga
444	Implementation of electronic data capture in the Ethiopian bread wheat breeding program Ms Rut Duga, Ethiopian Institute of Agricultural Research (EIAR), Ethiopia
445	Prioritizing candidate genes and genetic variants for fertility improvement in Beef cattle Dr Mehrnush Forutan, The University of Queensland, Australia
446	Statistical methods to accurately predict grain yield in hybrid maize multi-environment trials Mr Tolera Fufa, The University of Queensland, Australia

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Poster presentations on Monday 31 October 2022 from 12:30-13:25

447	Spatial analysis using proximal soil sensing to improve cropping trial analytics Mr Mark Glover, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
448	Poster withdrawn
449	Genomic relationship between heifer pregnancy and stayability in Brahman cows Prof Ben Hayes, The University of Queensland, Australia
450	Characterising the function of key flowering genes in tree crops Dr Stephanie Kerr, Queensland University of Technology, Australia
451	Establishment of the National Plant Phenomic Center in Taiwan Mr Cheng-Bin Li, Taiwan Agricultural Research Institute, Taiwan
452	Establishment of the pepper core collection in Taiwan Mr Cheng-Bin Li, Taiwan Agricultural Research Institute, Taiwan
453	Smart dryland agroecosystem in tropical agriculture makes a difference for smallholder farmers Dr Melinda R.S. Moata, Kupang State Agricultural Polytechnic, Indonesia
454	Exploring intravarietal variation in grapevine Dr Mariem Nsibi, Hochschule Geisenheim University, Germany
455	Understanding the impacts of future climate and anthropogenic changes for sustainable agricultural Dr Rajesh Nune, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India
456	Utilising drone analytics in commercial agave farming for improved yield management Mr Nathaniel Parker, Airborn Insight, Australia
457	A route to improving feedlot performance through the automation of bunk management Mr Sam Platts, The University of Queensland, Australia
458	On-animal proximity loggers to assess behavioral associations in extensively grazed prepubertal heifers Mr Jonathan Reid, CQUniversity, Australia
459	Uncovering genetic and epigenetic factors as sources of trait variation in grapevine Mr Maximilian Schmidt, Geisenheim University, Germany
460	Effect of anthropogenic aerosols on wheat production in the eastern Indo-Gangetic Plain Dr Shreemat Shrestha, Nepal Agricultural Research Council (NARC), Nepal
461	Modelling spatial distribution of <i>Canarium indicum</i> (Galip) in Papua New Guinea Ms Agnes Sumareke, Forest Research Institute, Papua New Guinea
462	Tools to develop mungbean varieties for a more sustainable agri-food system Miss Shanice Van Haefen, The University of Queensland, Australia
463	A software application for estimating trends in irrigated crop water use efficiency Mr Michael Wellington, Australian National University, Australia
464	Prior knowledge-driven branching phenotype prediction for shoot architecture improvement Dr Akila Wijerathna-Yapa, The University of Queensland, Australia
465	The pattern and distribution of deleterious mutations in the Australian mango gene-pool Dr Melanie Wilkinson, The University of Queensland, Australia
466	Use of continuous genotype in the genomic prediction of complex sugarcane Ms Seema Yadav, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
467	Use of timelapse photography to determine flower opening time in banana Mr Allan Waniale, National Agricultural Research Laboratories, Uganda

3. SUSTAINABLE AGRIFOOD SYSTEMS

Poster presentations on Wednesday 2 November 2022 from 12:30-13:10

468	Effects of dense cultivation on the yield performance of cultigen rice: Meta-analysis Mrs Gehan Abdelghany, Charles Darwin University, Australia
469	Genomic and phenotypic studies of <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> on mungbean Mr Dante Adorada, University of Southern Queensland, Australia
470	Identification of mungbeans using multivariate technique and multi-trait index approach Dr AKM Alam, Bangladesh Agricultural Research Institute (BARI), Bangladesh
471	Climate change adaptation strategies; a victim knowledge and scientist field trial Dr Md Panna Ali, Bangladesh Rice Research Institute (BRRI), Bangladesh
472	Integrated technologies to improve genetic gain in Ethiopian common bean breeding program Ms Dagmawit Tsegaye Arega, Ethiopian Institute of Agricultural Research (EIAR), Ethiopia
473	Interaction of <i>Lactobacillus buchneri</i> and molasses on physicochemical properties of cassava-leaf silage Dr Archibold Bakare, Fiji National University, Fiji
474	Comparative genomics reveals key effector and avirulence genes in <i>Ascochyta rabiei</i> Dr Ido Bar, Griffith University, Australia
475	Agronomic research supporting cultivation of Australian native rices Dr Sean Bellairs, Charles Darwin University, Australia
476	Mapping of novel quantitative trait loci for fusarium wilt resistance in chickpea Dr Dagnachew Bekele Beshu, Ethiopian Institute of Agricultural Research (EIAR), Ethiopia
477	Molecular identification and secondary-endosymbionts distribution in <i>Bemisia tabaci</i> population of Andhra Pradesh-India Dr Chaithanya BH, Acharya Ng Ranga Agricultural University, India
478	Impact of weed management on weed community composition and yield of DWSR Dr Md. Khairul Bhuiyan, Bangladesh Rice Research Institute (BRRI), Bangladesh
479	Single node grafting: A novel efficient clonal propagation method for macadamia Mr David Bin, The University of Queensland, Australia
480	Seasonal and yield-scaled emissions of rice produced under sawah technology in Ghana Dr Kofi Boateng, Soil Research Institute, Ghana
481	SIGS as a tool to fight plant diseases in Mediterranean regions Ms Irene Teresa Bocos Asenjo, Universidad De Valladolid, Spain
482	Cambodian smallholder farmers' soils knowledge and practices: Implications for land management capacity Dr Davina Boyd, Murdoch University, Australia
483	Bovine lung organoids to model engineered viral resistance Miss Tatiana Briody, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
484	Intact dsRNA is mobile and triggers RNAi against viral and fungal pathogens Dr Chris Brosnan, The University of Queensland, Australia
485	Diagnostics of Moko disease on banana Dr Lilia Carvalhais, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
486	Can the agronomic management recommendations for wheat in Bangladesh be improved? Dr Apurbo Kumar Chaki, Bangladesh Agricultural Research Institute (BARI), Bangladesh
487	Conservation agriculture enhances profitability, energetics, and emissions of the rice-wheat system Dr Apurbo Kumar Chaki, Bangladesh Agricultural Research Institute (BARI), Bangladesh
488	Long-term variability of maize yield as influenced by growing seasons: APSIM analysis Dr Apurbo Kumar Chaki, Bangladesh Agricultural Research Institute (BARI), Bangladesh
489	Sustainable rice production in the Mekong Delta, Vietnam Ms Julia Checco, The University of Queensland, Australia
490	Innovative RNAi biopesticides for management of sugarcane root feeding pests Dr Ivy Chen, The University of Queensland, Australia
491	Alternative dwarfing genes scope in Indian wheat establishment traits for water-use efficiency Mrs Ritika Chowdhary, ICAR-Indian Institute of Wheat Barley Research, India
492	Prepartum supplementation increases colostrum quality and passive immunity transfer Mr Latino Coimbra, The University of New England, Australia

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493	Association of scion stomatal traits with vigour: Study on diverse macadamia rootstocks Mrs Pragma Dhakal Poudel, The University of Queensland, Australia
494	Exploring mungbean flowering behaviour to guide crop improvement for variable environments Miss Caitlin Dudley, The University of Queensland, Australia
495	Lentil Ascochyta blight (<i>Ascochyta lentis</i>) epidemics, resistance and management in Ethiopia Mr Asrat Ejeta, Ethiopia Institute of Agricultural Research (EIAR), Debre Zeit Agricultural Research Center, Ethiopia
496	The effects of different rates of Paclobutrazol and pruning on breadfruit yield Mr Kaitu Erasito, Pacific Farmer Organisations, Fiji
497	Improving irrigation water management through water monitoring, learning and governance Dr Isaac Fandika, Department of Agricultural Extension Services, Malawi
498	The potential of genetic resources in wild sorghums in crop improvement Ms Kalpani Galaihalage, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
499	Trait-based design of multifunctional cover crops for improved agronomic and environmental outcomes Mr Ismail Ibrahim Garba, The University of Queensland, Australia
500	Source-sink dynamics in mungbean Dr Geetika Geetika, The University of Queensland, Australia
501	Genotypic variation of physiological traits contributing to grain yield in aerobic rice Miss Wenliu Gong, The University of Queensland, Australia
502	Evaluation of bulb onion varieties under protective structure in Leyte, Philippines Prof Zenaida Gonzaga, Visayas State University, Philippines
503	Measurement of greenhouse gas emissions of different irrigated climate-resilient varieties Mr Muhammad Ashraful Habib, International Rice Research Institute, Bangladesh
504	Participatory on-farm evaluation based on genotype-environment interaction and traits preference Mr Muhammad Ashraful Habib, International Rice Research Institute, Bangladesh
505	Targeted subsidies for water conservation in smallholder agriculture Mr Muhammad Ashraful Habib, International Rice Research Institute, Bangladesh
506	Strategies for non-race specific resistance to safeguard small-scale wheat farmers in Ethiopia Mrs Lidiya Tilahun Hadis, Ethiopian Institute of Agricultural Research (EIAR), Ethiopia
507	Artificial nanovesicles for dsRNA delivery in spray-induced gene silencing for crop protection Ms Rachael Hamby, UC Riverside, USA
508	Intra- and inter-sample variation in wool cortisol concentrations of Australian merino lambs Ms Georgia-Constantina Hantzopoulou, The University of Queensland, School of Agriculture and Food Sciences (SAFS), Australia
509	Conservation agriculture for intensive rice-based systems: Lessons from a decade on-farm practice Dr Md. Enamul Haque, Murdoch University, Australia
510	Foliar uptake of topically applied dsRNAs Miss Bao Tram Hoang, The University of Queensland, Australia
511	Growth, yield and phytochemical content of organic and inorganic cultivated <i>Centella asiatica</i> Dr Hai-Ly Hoang, University of Agriculture and Forestry, Hue University, Vietnam
512	Digital remote monitoring to improve horticultures environmental performance Mr Henry Hyde, Applied Horticultural Research, Australia
513	Integrated plant nutrient systems with different irrigation regimes on rice yield Dr S.M. Mofijul Islam, Bangladesh Rice Research Institute (BRRI), Bangladesh
514	Mitigation strategies of greenhouse gas emissions from lowland rice cultivation in Bangladesh Dr S.M. Mofijul Islam, Bangladesh Rice Research Institute (BRRI), Bangladesh
515	Understanding farmers' perspectives: Potential research area to increase drought resiliency in Australia Dr Md Aminul Islam, SQNNSW Hub, University of Southern Queensland, Australia
516	A genomics approach to improve breeding time in Australian tropical tree crops Ms Amanda Johnson, Queensland University of Technology, Australia
517	Minimally invasive biomarkers for assessment of heat stress in grazing sheep Ms Aleena Joy, The University of Melbourne, Australia
518	Quinoa and cowpea provide alternative crop options for the Vietnamese Mekong Delta Dr Brooke Kaveney, Charles Sturt University, Australia

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519	Five Capitals Food System Resilience Score Analysis Tool Dr Ujjwal KC, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
520	Evaluation of pearl millet landraces for conservation, adaption and promotion in India Dr Manoj Kumar, Agriculture University, India
521	Responding scarcity of agricultural labour by out-migration: Understanding coping strategies in Myanmar Ms Ei Mon Thida Kyaw, University of New England, Australia
522	Divergent technology adoption in a Philippine native chicken R&D utilization program Dr Aileen Lapitan, University of The Philippines, Philippines
523	Intraspecific variation of <i>Cocos nucifera</i> populations on Viti Levu and Taveuni, Fiji Miss Shirlyn Lata, The University of The South Pacific, Fiji
524	Effect of nitrogen application rate on structure, and properties of starch in japonica rice Ms Yimeng Li, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
525	The Australian oaten hay use for sustainable dairy production Mr Zelin Li, The University of Melbourne, Australia
526	Spray application of dsRNA targeting ZYMV reduces infection incidence in <i>Cucurbita pepo</i> Mr Jingfeng Liang, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
527	Effect of biochar and phosphorus on the yield of five crops, Timor-Leste Ms Julieta Lidia, Ministry of Agriculture and Fisheries, Timor-Leste
528	Root Meristem Growth Factor (RGF) peptides in soybean root development and nodulation Miss Yuhan Liu, The University of Queensland, Australia
529	Role of agricultural institutions in sustainable rural development in South Pacific Dr Royford Magiri, Fiji National University, Fiji
530	Sustainable livestock development in Pacific Island countries Dr Royford Magiri, Fiji National University, Fiji
531	Dynamics of radiation interception and radiation use-efficiency of three pigeonpea (<i>Cajanus cajan</i> (L.) Millsp.) genotypes at different sowing dates Mr Sabampillai Mahendraraj, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
532	Cropping system intensification options in the coastal zone of Bangladesh Dr Mohammed Mainuddin, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
533	Assessing climate risk to agriculture and potential mitigation options in Ganges delta Dr Uttam Kumar Mandal, ICAR-Central Soil Salinity Research Institute, India
534	Sustainable intensification of eastern India rice-fallows through tillage, mulching and cropping systems Dr Uttam Kumar Mandal, ICAR-Central Soil Salinity Research Institute, India
535	Optimizing mill mud application for <i>Amaranthus viridis</i> production Ms Janice Mani, CQUniversity, Australia
536	Advancing the <i>Duboisia</i> industry for sustainable alkaloids Dr Patrick Mason, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
537	Analysis of mutation rates in Sorghum EMS mutants using whole genome sequencing Dr Patrick Mason, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
538	Determination of mutation rates derived from chemical mutagenesis in Sorghum using next generation sequencing Dr Patrick Mason, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
539	Are there alternative hosts for the ginger pathogen <i>Fusarium oxysporum</i> sp <i>zingiberi</i> Mrs Andrea Matthews, The University of Queensland, Australia
540	Poster withdrawn
541	Robust markers for young microspore stage low temperature tolerance in rice Dr Jaquie Mitchell, The University of Queensland, Australia
542	Na, K and Cl distributions constitute salt tolerance traits in sweet potato Mr Shimul Mondal, University of Hohenheim, Germany
543	Effect of elevated CO₂ on <i>macrophomina phaseolina</i>-mungbean interaction and associated defence responses Dr Ramakrishnan Nair, World Vegetable Center, South & Central Asia, India
544	A simple bioassay method for diagnosing copper toxicity on vegetable species Ms Phuong Nguyen, The University of Queensland, Australia

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545	Genetic variation for high temperature tolerance in rice genotypes at reproductive stages Ms Thi Thu Thuong Nguyen, The University of Queensland, School of Agriculture and Food Sciences (SAFS), Australia
546	Clearing bottlenecks to quality fingerling production for satellite tilapia hatcheries in Papua New Guinea Mr Joshua Noiney, University of New South Wales, Australia
547	Enhanced yield and reduced pests of sweet pepper treated with wood vinegar Mr Warren Obeda, Visayas State University, Philippines
548	Major and trace elemental analysis for determining fibre quality traits in sugarcane Ms Angela O'Keefe, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
549	Weed management in lowland rice cropping systems in Cambodia and Lao PDR Dr Jhoana Opena, The University of Queensland, Australia
550	Production efficiency benefits of intensive mango planting Mr Ryan Orr, Queensland Department of Agriculture and Fisheries, Australia
551	Partial mixed ration modifies volatile fatty acids concentrations and calculated methane yield Mr Mariano Parra, The University of Queensland, Australia
552	Investigating CLE peptides in the soybean pangenome Ms Diya Prabhuram, The University of Queensland, Australia
553	Short-term heat stress doesn't alter rumen microbial diversity indices of second-cross lambs Ms Pragna Prathap, The University of Melbourne, Australia
554	Evaluating the nitrogen nutrition dynamics of sugarcane genotypes Mrs Anoma Ranagalage, The University of Queensland, Australia
555	Evaluating salinity tolerance in diverse taro wild relatives to improve food security Miss Jemma Restall, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
556	Controlled environment agriculture: Philippines case study hydroponically grown of leafy vegetables Dr Jessica Rey, University of The Philippines, Philippines
557	RNA interference against the Green Peach Aphid, <i>Myzus persicae</i> (Hemiptera) Dr Karl Robinson, The University of Queensland, Australia
558	The effect of biochar, superphosphate and zinc on mung beans in Timor-Leste Mr Jose Da Costa Ronal Freygen, Ministry of Agriculture and Fisheries; AI-Com, Timor-Leste
559	Which regenerative and climate resilient agriculture for small holder farmers in Rwanda? Dr Pascal Rushemuka, Rwanda Agriculture Board (RAB), Rwanda
560	Post-anthesis water stress can accentuate genotypic differences in late wheat root development Ms Kanwal Shazadi, The University of Queensland, Australia
561	Investing better in agrifood innovation for sustainable impact Mr David Shearer, Australian National University, Australia
562	Physiological and anatomical bases of transpiration efficiency in sorghum Dr Vijaya Singh, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
563	Scaling conservation agriculture in South Asia Dr Pratibha Singh, Australian Centre for International Agricultural Research (ACIAR), India
564	Sustainable alternatives to fertilizers-vermicomposting technology as a value add to agrifood systems Dr Shweta Singh, The University of Queensland, Australia
565	Sweet potato production and plant-available phosphorus in crop rotations in the Papua New Guinea Highlands Mr William Sirabis, National Agricultural Research Institute, Papua New Guinea
566	Negotiating gender inclusion in irrigation water management in Pakistan Dr Sajida Taj, Pakistan Agricultural Research Council, Pakistan
567	Sustainable farming systems as an economical viable enterprise Mr Livai Tora, Aviva Farms; Pacific Farmer Organisations, Fiji
568	Growing capsicum and tomato with drip fertigation system under tropical island situation Dr Leslie Ubaub, University of the South Pacific, Samoa
569	Importance of fertilisers and seasonal response for peanut production in Cambodian uplands Dr Wendy Vance, Murdoch University, Australia
570	Characterising groundwater resources in Laos to enhance climate resilience and agricultural productivity Mr Sinxay Vongphachanh, Mekong River Commission, Lao People's Democratic Republic

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571	Building resilience in smallholder crop-livestock systems with responsive food and forage management Prof Anthony Whitbread, International Livestock Research Institute (ILRI), Australia
572	Decision-making actors and strategy to minimize <i>fusarium</i> wilt disease in banana Mrs Diah Fitria Widhiningsih, Faculty of Agriculture, Universitas Gadjah Mada, Indonesia
573	Farmer hybridising previous knowledge and new techniques to develop novel innovations: Timor-Leste Mr Robert Williams, University of Western Australia, East Timor
574	Hunger and thirst: A challenge for designer root systems Dr Alwyn Williams, The University of Queensland, Australia
575	Novel propagation technologies for Australian macadamia Dr Albert Chern Sun Wong, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
576	Improving disease resistance of Australian tropical long grain rice Ms Shona Wood, The University of Queensland, Australia
577	Poster withdrawn
578	Isolation and selection of indigenous bacteria capable of antagonizing <i>Erwinia</i> sp. Prof Nghia Nguyen, Can Tho University, Vietnam
579	Potassium solubilizing bacteria improved the growth, yield of spinach and soil properties Prof Nghia Nguyen, Can Tho University, Vietnam
580	Silicate solubilizing bacteria enhanced salt tolerance capacity and rice yield Prof Nghia Nguyen, Can Tho University, Vietnam
581	Early withering of enlarged ovules in pollinated fruits of bananas suggest abortion Mr Allan Waniale, National Agricultural Research Laboratories, Uganda
582	Glucose performs best for germination of banana pollen Mr Allan Waniale, National Agricultural Research Laboratories, Uganda
583	Seed set in bananas dependents on weather before, during, and after pollination Mr Allan Waniale, National Agricultural Research Laboratories, Uganda
584	Seed set patterns in bananas show asymmetric distribution in bunches and fruits Mr Allan Waniale, National Agricultural Research Laboratories, Uganda



4. HEALTHY AGRICULTURE AND FOOD FOR HEALTHY COMMUNITIES

Poster presentations on Tuesday 1 November 2022 from 12:00-12:55

585	Integrated pest management in Australian native rice trial Ms Sonam Adhikari Rana, Charles Darwin University, Australia
586	Acacia seed positively impacted the structural and technological properties of beef emulsions Mr Oladipupo Adiamo, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
587	Orange capsicums: Can nutritional benefits be gauged by skin colour? Ms Rimjhim Agarwal, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
588	Assessing the safety of native Australian infusions: Lemon Myrtle and Jilungin Dr Saleha Akter, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
589	Peat based bioformulation of <i>Pseudomonas spp.</i> for management of rice sheath blight Dr Shamima Akter, Bangladesh Rice Research Institute (BRRI), Bangladesh
590	Generation of CRISPR/Cas9 mediated rice lines targeted pest resistance and aroma traits Dr Md Panna Ali, Bangladesh Rice Research Institute (BRRI), Bangladesh
591	Landscape heterogeneity influences natural pest control at multiple spatial scales in agroecosystems Dr Md Panna Ali, Bangladesh Rice Research Institute (BRRI), Bangladesh
592	A rapid crush-side test to confirm vaccination and detect BRD-associated pathogens Mr Stephen Baldwin, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
593	Formulation and characterization of milk gel-polyol food simulant for 3D printing Mr Mohammad Abdullah Bareen, The University of Queensland, Australia
594	PBRcowpeaXTRA, a long-term solution against the cowpea pod borer in West Africa Dr Jose Barrero, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
595	Kakadu plum bioactivity against microorganisms and oxidative reactions in raw beef patties Mr Michel Beya, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
596	Exogenous application of modified forms of dsRNA enhances gene silencing in plants Ms Shengnan Bi, The University of Queensland, School of Chemistry and Molecular Biosciences, Australia
597	Impact of growing region on the sugar content of <i>Terminalia ferdinandiana</i> fruit Mr Eshetu Bobasa, The University of Queensland, Australia
598	Avian influenza A/H5 environmental contamination at live bird markets in Dhaka, Bangladesh Mr Shovon Chakma, The University of Queensland, Australia
599	Effects of variety, early harvest and germination on texture of brown rice Dr Sinh Chao, The University of Queensland, Australia
600	Identification of plant host resistance to <i>Fusarium</i> wilt in wild banana relatives Dr Andrew Chen, The University of Queensland, Australia
601	Quality changes of Burdekin plums during storage Miss Gengning Chen, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
602	OneWelfare: A skeleton key to new, more productive narratives about animal agriculture? Miss Patricia Eats, The University of Queensland, Australia
603	Understanding women's role managing mango fruit-flies and banana <i>fusarium</i> wilt in SEA Miss Leandra Fernandes, ASEAN FAW Action Plan, Australia
604	<i>Colletotrichum</i> cross-infection studies for anthracnose Dr Mereia Fong-Lomavatu, Fiji National University, Fiji
605	Folate vitamers of the native Australian green plum (<i>Buchanania obovata</i>) Ms Selina Fyfe, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
606	Effect-of-dietary-supplementation with live microalgae (<i>Chlorella vulgaris</i>) on performance and carcass-characteristics of white-dorper-lambs Mr Ishaya U. Gadzama, The University of Queensland, Australia
607	Digestibility and nitrogen retention in supplemented crossbred pre-parturient Boer does Mr Chris Gardiner, James Cook University, Australia
608	Establishment of Progardes® <i>Desmanthus</i> Mr Chris Gardiner, James Cook University, Australia

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609	Contrasting metabolic effects of severe and moderate heat stress in Angus steers Ms Alexandra Gloria, The University of Queensland, Australia
610	RNAi as a control measure for sea lice infestation on salmon fishes Mrs Bhuvanewari Harishankar, The University of Queensland, Australia
611	The effect of maturity on the concentration of fatty acids in macadamia Mr Wei Hu, The University of Queensland, Australia
612	Phenolic acid, flavonoid and organic acid compounds in stingless bee honey Dr Natasha Hungerford, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
613	Quantification of rare earth elements in rice samples using ICP-MS Ms Maryam Imran, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
614	Inside out and upside down: Looking closer at Australian native wattleseeds Ms Sera Jacob, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Centre for Uniquely Australian Food, Australia
615	Quantitative proteomics to identify biomarker(s) for Bovine Genital Campylobacteriosis immunity in cattle Ms Mst Sogra Banu Juli, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
616	Prevalence and identity of pathogens affecting macadamia nurseries in Australia Mr Jahangir Khan, The University of Queensland, Centre for Horticultural Science, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
617	Does storage affect the in vitro bioaccessibility of anthocyanins in 'Rubycot' plumcot? Miss Gethmini Kodagoda, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
618	Nutritional qualities of landraces of pearl millet in Rajasthan State of India Dr Manoj Kumar, Agriculture University, India
619	Rheology and composition of Jelly Bush honey Mr James Lian, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
620	An analytical chemistry approach to unlocking wider health benefits of pomegranate fruit Dr Dianna Liu, Queensland Department of Agriculture and Fisheries, Australia
621	<i>Escherichia coli</i> persistence in manure amended soils under two types of cultivation Ms Blanche Franchette Llera, Visayas State University, Philippines
622	Cowpea Aphid (<i>Aphis craccivora</i> Koch.) resistant resources in mungbean mini-core Dr Ramakrishnan Madhavan Nair, World Vegetable Center, South & Central Asia, India
623	Evaluation of stepped training approach to the Philippine Good Agricultural Practices Adoption Ms Concepcion Miro, Agricultural Training Institute, Australia
624	Prevalence of <i>Botryosphaeriaceae</i> fungi in Australian macadamia orchards Ms Vheena Mohankumar, The University of Queensland, Australia
625	Pyrolysis of oil palm wastes offers opportunities for disease management Dr Agnieszka Mudge, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
626	Broad mites and other arthropods on capsicum under protective structures in Fiji Mrs Leikitah Katah Naituku, The University of The South Pacific, Fiji
627	MLVA-19 scheme suitably explores genetic diversity of <i>Xanthomonas vasicola</i> pv <i>musacearum</i> populations Dr Gloria Valentine Nakato, IITA-Uganda, Uganda
628	Benchmarking mineral concentration, bulb yield and quality across garlic genotypes Mrs Binh Nguyen, The University of Queensland, School of Agriculture and Food Sciences (SAFS), Australia
629	Development of a molecular diagnostic tool for detection of phytoplasmas infecting banana Ms Cecilia O'Dwyer, The University of Queensland, Centre for Horticultural Science, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
630	Exogenous RNAi as a sustainable control against soilborne pathogens Mrs Leny Jane Pame, The University of Queensland, Australia
631	Maturity effect on selected quality parameters in wild-harvested <i>Terminalia ferdinandiana</i> (Exell) fruit Dr Anh Phan, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

4. HEALTHY AGRICULTURE AND FOOD FOR HEALTHY COMMUNITIES

Poster presentations on Tuesday 1 November 2022 from 12:00-12:55

632	Poster withdrawn
633	Topical application of RNAi to improve crop health against fungal pathogens Ms Pratyush Ravichander, The University of Queensland, Australia
634	Quality plant proteins with minimal processing: Developing healthy and tasty plant-based burgers Dr Raisa Rudge, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
635	Diagnostic assay development for Bovine Genital Campylobacteriosis Ms Harshita Rupani, The University of Queensland, Australia
636	In vitro bioaccessibility of anthocyanins and folates in strawberries treated with photosensitization Ms Shammy Sarwar, The University of Queensland, Australia
637	Juice treatment using nanosecond pulsed electric field technology Dr Mirhojjat Seyedi, The University of Queensland, Australia
638	Poster withdrawn
639	Invitro bioaccessibility and intestinal absorption of minerals and phytochemicals from Australian halophytes Ms Sukirtha Srivarathan, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
640	X-ray fluorescence (XRF) spectrometry for micronutrient determination in rice (<i>Oryza sativa</i> L.) Dr Sharmin Sultana, International Rice Research Institute, Bangladesh
641	Phenotypic and genotypic antimicrobial resistance of <i>Glaesserella australis</i> from Australian pigs Miss Xiaochen Sun, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
642	Extraction of juice and bioactive compounds from blueberries using pulsed electric fields Mr Shao-Keng Tai, The University of Queensland, Australia
643	Food diversity and consumption pattern of smallholder farm families in Punjab, Pakistan Dr Sajida Taj, Pakistan Agricultural Research Council, Pakistan
644	Flesh colour in mangoes as an indicator for provitamin A, beta-carotene levels Mr Tatsuyoshi Takagi, The University of Queensland, Australia
645	Evaluation of mycotoxins and microbiological levels in cassava products consumed in Zambia Mr Madalitso Tembo, International Institute of Tropical Agriculture (LITA); University of Zambia, Zambia
646	Positive human interaction prior to weaning improves meat quality in pigs Miss Katelyn Tomas, The University of Queensland, Australia
647	Does legume introduction to intensify cropping systems improve farmer health and well-being? Dr Ayesha Tulloch, Queensland University of Technology, Australia
648	Processing of green seaweed (<i>Ulva</i> sp.) protein biomass to enhance consumer acceptance Ms Saskia Urlass, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
649	Nanosecond pulsed electric field for non-thermal milk pasteurization: Safety and quality aspects Ms Yiting Wang, The University of Queensland, School of Agriculture and Food Sciences (SAFS), Australia
650	Breakdown of sweet potato bedding roots: Investigating plant pathogens in Australia and Papua New Guinea Mr Wilfred Wau, University of Southern Queensland, Papua New Guinea
651	Decolonising food regulatory frameworks: Rethinking the dietary risk assessment of First Foods Mr Luke Williams, RMIT University, Australia
652	Topical RNAi for sustainable animal health in Australian Sheep Flystrike Miss Yunjia Yang, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
653	Amoxicillin susceptibility of avian <i>Pasteurella multocida</i>; setting the epidemiologic cutoff value Mr Ge Zhang, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
654	Understanding the nutritional quality and functionality of <i>Persoonia</i> species Mr Jiale Zhang, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
655	Gel properties of almond yoghurts with varying protein, fat and sugar contents Miss Jia Zhao, The University of Queensland, Australia
656	Transcriptome analysis of <i>Musa balbisiana</i> cultivar kepok against blood disease of banana Mr Ady Bayu Prakoso, Universitas Gadjah Mada, Indonesia

5. AGFUTURES

Poster presentations on Monday 31 October 2022 from 12:30-13:25

657	Facilitating adoption of multiscale monitoring tools for managing Australian mango crops Dr Geoff Dickinson, Department of Agriculture and Fisheries, Australia
658	Goldfinger bananas - a variety that is tasty and TR4 resistant Mrs Simone Moller, Department of Agriculture and Fisheries, Australia
659	Satellite remote sensing 'time series' model for monitoring tea tree crop phenology Dr Muhammad Moshir Rahman, University of New England, Australia
660	BenPol nanoparticles as a ds-RNA delivery system in crustaceans Miss Sucharat Suksai, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
661	Constant water table rainproof pot system: An outdoor method to measure WUE Miss Yayue Zhong, The University of Queensland, School of Agriculture and Food Sciences (SAFS), Australia

6. HARLAN

Poster presentations on Monday 31 October 2022 from 12:30-13:25

662	Innovating cryopreservation for conservation of the endangered Australian native plant <i>Gossia fragrantissima</i> Ms Jingyin Bao, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
663	Sequencing of Australian wild AA genome rice species Mr Mohammad Abdullah Bareen, The University of Queensland, Australia
664	Mungbean-compatible wild <i>bradyrhizobia</i> from north Queensland: A valuable untapped resource Dr Mandy Christopher, Queensland Department of Agriculture and Fisheries, Australia
665	Comparison of short/long read sequence data in generating a chloroplast genome sequence Dr Agnelo Furtado, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
666	Transcriptomes of wild and domesticated rice Ms Sharmin Hasan, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
667	Progress towards accelerating genetic gain in the Ethiopian durum wheat breeding program Dr Yewubdar Ishetu, Ethiopian Institute of Agricultural Research (EIAR), Ethiopia
668	Scanning the wild for fitness in macadamias against <i>Phytophthora</i> diseases Dr Olumide Jeff-ego, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
669	Haplotype-resolved genome assembly of jojoba revealed genes associated with drought tolerance Dr Ardy Kharabian Masouleh, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
670	The molecular characterization of <i>Austropuccinia psidii</i>, a threat to Myrtaceae in Yogyakarta Dr Istiana Prihatini, National Research and Innovation Agency of Indonesia (BRIN), Indonesia
671	Innovative cryopreservation technology for Australia macadamia Miss Xueying Li, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
672	Discovery and curation of global cereals held by the Australian Grains Genebank Mr Brett Lobsey, NSW Department of Primary Industries, Australia
673	Sequencing diversity of macadamia species Ms Sachini Manatunga, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
674	<i>Oryza australiensis</i>; a potential source of diversity for rice improvement Ms Sabrina Morrison, The University of Queensland, Australia
675	Characterising sorghum's crop wild relatives Mr Harry Myrans, Monash University, Australia
676	Phylogenetic relationships between Australian native citrus and commercial varieties Ms Upuli Nakandala, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

6. HARLAN

Poster presentations on Monday 31 October 2022 from 12:30-13:25

677	Time gain compensation: The genetics of grain filling duration in sorghum Mr Daniel Otwani, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
678	Genetic diversity and association studies for agronomic traits in <i>Vigna</i> species Dr Aditya Pratap, ICAR-Indian Institute of Pulses Research, India
679	Identification of new sources of resistance to yellow mosaic disease in mungbean Dr Aditya Pratap, ICAR-Indian Institute of Pulses Research, India
680	An overview of Nepalese rice landraces: Fine, coarse and aromatic Mrs Kamana Rayamajhi, Nepal Agricultural Research Council (NARC), Nepal
681	Genomes of the four macadamia species Ms Priyanka Sharma, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
682	Studying the evolutionary significance of genome size diversity in the Proteaceae family Mr Abhishek Soni, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
683	Disease resistance breeding: A critical step towards future-proofing wheat in Sub-Saharan Africa Mr Zerihun Tareegn, The University of Queensland, Australia
684	Poster withdrawn
685	Utilising gene editing to improve citrus flowering Mr Jose Teodoro Velasquez, Queensland University of Technology, Australia
686	<i>Amaranthus</i> diversity in Papua New Guinea Ms Philmah Waken, National Agricultural Research Institute, Papua New Guinea
687	Analysis of phylogenetic relationships in genus <i>Mangifera</i> using chloroplast and nuclear phylogeny Ms WWM Upendra Wijesundara, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
688	Traditional use of Australian native rice by Aboriginal people, Northern Territory, Australia Dr Penny Wurm, Charles Darwin University, Australia

