



TROPAG

INTERNATIONAL TROPICAL
AGRICULTURE CONFERENCE

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BRISBANE CONVENTION & EXHIBITION CENTRE



POSTER PROGRAM

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SHAPING THE SCIENCE OF TOMORROW

POSTER DISPLAYS

THEME 1: FIELD CROPS

Presented on Tuesday 12 November 2019 from 12:30-13:25

POSTER NUMBER	PAPER TITLE
400	Recent trends in drought, heat and frost-induced yield losses across the Australian wheatbelt ▶ Behnam Ababaei, The University of Queensland, Australia
401	Fall armyworm invasion and impact in Africa ▶ Jerome Edem Abiemo, Australia Awards Africa, Australia
402	Transcriptomics analysis for the detection of novel drought tolerance genes in Jojoba (<i>Simmondsia chinensis</i>) ▶ Othman Al Dossary, The University of Queensland, Australia
403	Aflatoxin contamination of village grains in Central Tanzania: Risky food and agricultural practices and significance to village chicken productivity ▶ Robyn Alders, Centre for Global Health Security and Chatham House, Australia
404	The role of leadership and local ownership in Research 4 Development (R4D) projects ▶ Kim Alexander, James Cook University, Australia
405	Grain filling temperature reduces head rice yield through husk enlargement in long grain and grain breakage in medium grain cultivars ▶ Fawad Ali, Plant Science Institute, Southern Cross University, Australia
406	Impact of soil water stress at seed development stage on phenology, fecundity and seed dormancy of <i>Avena sterilis ssp. ludoviciana</i> ▶ Mohammad Ali, The University of Queensland, Australia
407	Genetic determination sex in Jojoba (<i>Simmondsia Chinensis</i>) ▶ Bader Alsubaie, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
408	Determination of phylogenetic relationships of the genus <i>Sorghum</i> using nuclear and chloroplast genome assembly ▶ Galaihalage Ananda, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
409	Relationships between Iraqi rice varieties at the nuclear and plastid genome levels ▶ Hayba Badro, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
410	Occurrence of phytoplasma in sugarcane with yellow canopy syndrome (YCS) and phloem sap sucking insects in North Queensland, Australia ▶ Shiromi Basnayake, The University of Queensland, Australia
411	Single Tube Long Fragment Reads (stLFR): A simple and cost effective method for de novo whole genome sequencing ▶ Oliver Bonaccorso, MGI Tech Co Ltd, China
412	Remobilisation and fate of sulphur in Indian mustard (<i>Brassica juncea. L</i>) ▶ Priyakshee Borpatragohain, Southern Cross University, Australia
413	Land situation and sowing date effects growth and yield of crops in the rice-pulse based cropping systems of coastal India ▶ Koushik Brahmachari, Bidhan Chandra Krishi Viswavidyalaya, India
414	Foliar nutrient management on potato grown under zero tillage and mulching in coastal saline soil of West Bengal, India ▶ Koushik Brahmachari, Bidhan Chandra Krishi Viswavidyalaya, India
415	System identification of linearized rice growth dynamic for precision irrigation ▶ John Audie Cabrera, University of The Philippines, Philippines
416	Evaluation of mungbean varieties for northwest Cambodian lowland rice systems ▶ Harry Campbell-Ross, Australian Centre for International Agricultural Research (ACIAR), Australia
417	Socio-economics analysis of food insecurity status in rural households in Central Dry Zone, Myanmar ▶ Thida Chaw Hlaing, Ministry of Agriculture, Myanmar
418	Single cross testers for CIMMYT Heterotic Group B maize germplasm adapted to Mid-Altitudes ▶ Arisede Chisaka, The University of Queensland, Australia
419	Differential gene expression among genotypes of the genus <i>Saccharum</i> contrasting in biomass production ▶ Fernando Henrique Correr, University of São Paulo, Brazil
420	Quantifying gas emissions and denitrifying genes in a salt-affected soil ▶ Duy-Minh Dang, Can Tho University, Vietnam
421	Utilisation of sludge from ditches to maintain soil nutrients and increase rice yield in rice-shrimp systems in Vietnam ▶ Duy-Minh Dang, Can Tho University, Vietnam
422	Effects of pesticides on nitrous oxide production from sugarcane cropping soils ▶ Shilpi Das, The University of Queensland, Australia
423	Assessment of soil structural properties in relation to land use change in South-East Asia ▶ Rachel de Lastic, The University of Queensland, Australia
424	Alternative legume crops for the southern region of Australia ▶ Audrey Delahunty, Agriculture Victoria, Australia
425	Simulation of mungbean productivity during the fallow phase on rainfed rice in Central Java, Indonesia ▶ Elsa Rakhmi Dewi, Indonesian Agroclimate and Hydrology Research Institute, Indonesia

426	"Toto, I've a feeling we're not in Kansas anymore": Mungbean's journey from the Midwest to the Emerald City and beyond ▶ Col Douglas, Department of Agriculture and Fisheries, Queensland Government, Australia
427	The economic benefits of improvements in online licencing of the chemical use in Queensland crop industries ▶ Alisher Ergashev, Department of Agriculture and Fisheries, Queensland Government, Australia
428	Promoting social learning in soil water and nutrients management using farmer – friendly monitoring technology ▶ Isaac Rhinnexious Fandika, Department of Agricultural Research Services, Malawi
429	Developing climate resilient crops - Bambara groundnut (<i>Vigna subterranea</i> (L.) Verdc) as an exemplar crop ▶ Xiu Qing Gao, University of Nottingham, Malaysia
430	Genotypic variation in biomass produced is linked to differences in radiation acquisition in mungbean ▶ Geetika Geetika, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
431	Diversity of domestication loci in wild rice populations ▶ Sharmin Hasan, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
432	Mungbean pest identification mobile phone application development for Northwest Cambodia ▶ Isabel Hinchcliffe, The University of Sydney; Australian Centre for International Agricultural Research (ACIAR), Australia
433	Investigation of insect resistant components in wild pigeonpea <i>Cajanus scarabaeoides</i> ▶ Thi My Linh Hoang, Queensland University of Technology, Australia
434	Relationship between biomass composition and enzymatic hydrolysis efficiency in sugarcane ▶ Katrina Hodgson-kratky, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
435	Comparative analysis and evaluation of handheld X-ray fluorescence spectrometry to measure silicon in crop plants ▶ Daniel Howell, The University of Sydney, Australia
436	Investigating the effects of pollen and environment on palmitoleic acid and saturated fat content of macadamia nuts ▶ Wei Hu, The University of Queensland, Australia
437	Introgression of large grain size from Australian wild rice and its agronomical importance ▶ Ryuji Ishikawa, Hirotsaki University, Japan
438	The role of farmers' perception of salinity for ensuring food security: Evidence from coastal rice-growing areas of Bangladesh ▶ Md Aminul Islam, University of New England, Australia
439	Perspective of smallholder farmers on smart farming gadgets in Pakistan ▶ Nadia Jabeen, Pakistan Council of Research in Water Resources, Pakistan
440	Distribution and chemical speciation of nitrogen and inhibitors from banded enhanced efficiency fertilizers ▶ Chelsea Janke, The University of Queensland, Australia
441	A decade of tropical sweet corn breeding using conventional and molecular approaches in Malaysia ▶ Pedram Kashiani, Universiti Pendidikan Sultan Idris, Malaysia
442	Severity of yellow rust in F1 progenies of eight Pakistani wheat varieties under irrigated and rainfed conditions ▶ Shernawab Khan, The University of Agriculture Peshawar, Pakistan
443	Biological control of rice brown spot by <i>Bacillus spp.</i> in Thailand ▶ Wanporn Khemmuk, Ministry of Agriculture and Cooperatives, Thailand
444	Fusaristatin A production negatively affects the growth and aggressiveness of the wheat crown rot and head blight pathogen <i>Fusarium pseudograminearum</i> ▶ Mohammed Khudhair, Commonwealth Scientific and Industrial Research Organisation (CSIRO), The University of Queensland, Australia
445	Machinery and labour requirements as influenced by diversified farming systems in the Australian Northern grain production region ▶ Julius H Kotir, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
446	Quantifying forfeited wheat yield due to soil sodicity in the northern grain-growing region of Australia ▶ Yunru Lai, The University of Queensland, Australia
447	Unique genetic resource in perennial wild rice <i>Oryza rufipogon</i> Griff., in the Mekong Delta ▶ Dinh Thi Lam, UGAS, Iwate University, Japan
448	Auto-encoding genetic markers to predict the value of ecophysiological model parameters - proof of concept using a sorghum diversity panel ▶ Florian Larue, Cirad, France
449	Background genotypic effects in soybean (<i>Glycine max</i> (L.) Merrill) in the presence of Sulfonylurea Herbicides ▶ Catherine Lawn, The University of Queensland, Australia
450	Sorghum (<i>Sorghum bicolor</i> L.) germination dynamics at extreme temperatures ▶ Mengwei Li, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
451	Nanotechnology promotes R&D of micronutrient foliar fertilizers ▶ Peng Li, The University of Queensland, Australian Institute for Bioengineering and Nanotechnology (AIBN), Australia
452	Unique secreted in xylem genes in banana-infecting endophytic <i>Fusarium oxysporum</i> ▶ Rebecca Lyons, The University of Queensland, Australia
453	Lying down on the job: A multivariate mixed model approach helps detect important traits underpinning lodging ▶ Bethany Macdonald, Department of Agriculture and Fisheries, Queensland Government, Australia
454	Performance of sunflower varieties in respect to different planting system in the coastal saline zone of Bangladesh ▶ Sujana Mahmud, Bangladesh Agricultural Research Institute, Bangladesh

455	Rescheduling of wet season (<i>T. Aman</i>) rice planting for cropping intensification in coastal Bangladesh ▶ Mohammed Maniruzzaman, Bangladesh Rice Research Institute, Bangladesh
456	Assessing the use efficiency of Enhanced Efficiency Nitrogen Fertilisers (EENFs) in irrigated maize ▶ Cristina Martinez, The University of Queensland, School of Agriculture and Food Sciences, Australia
457	Morphological characterization of root trait variability in bambara groundnut (<i>Vigna subterranea</i> (L) Verdc) landraces - implication for drought adaptation ▶ Kumbirai Ivyne Mateva, University of Nottingham, Malaysia
458	Optimization of coconut micropropagation via somatic embryogenesis ▶ Zhihua Mu, The University of Queensland, Australia
459	Ecophysiology of sorghum bicolor's Australian wild relatives ▶ Harry Myrans, Monash University, Australia
460	Impact of agroforestry practice on soil conservation- Initial assessment in Northwest Vietnam ▶ La Nguyen, ICRAF, Vietnam
461	Heterobeltiosis in banana and genetic gains through crossbreeding ▶ Rodomiro Ortiz, Swedish University of Agricultural Sciences, Sweden
462	Participatory variety selection for enhanced promotion and adoption of improved finger millet varieties: A case for Central Tanzania ▶ Daniel Otwani, University of Western Australia, Australia
463	Hedging your bets: The importance of flowering time and agronomic practise in the search for the ideal Australian hempseed cultivar ▶ Rafael Julian Panerio, Southern Cross University, Australia
464	Sustainable carbon alternatives from agriculture for a better tomorrow ▶ Adhini Pazhany, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
465	Understanding sclerotinia risks associated with growing peanuts in the South Burnett area ▶ Claire-Marie Pepper, CQUniversity, Australia
466	Analysis of differences in gene expression associated with variation in biomass composition in sugarcane ▶ Virginie Perlo, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
467	Host plant resistance to <i>Helicoverpa.armigera</i> has been observed in Australian wild <i>Cajanus</i> (Pigeonpea) species ▶ Vanambathina Prameela Rani, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
468	Genotypes with deep roots are associated with high yield in aerobic rice production ▶ Christopher Proud, The University of Queensland, Australia
469	Going underground: Root and stool architecture traits to improve sugarcane productivity ▶ Anne Rae, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
470	Geographic Information System (GIS) techniques to tackle unsustainable agriculture practices in Madagascar ▶ Percy Yvon Rakoto, Royal Melbourne Institute of Technology, Australia
471	Utilization of forgoing coastal rice fallow lands of Bangladesh with zero tillage potato cultivation using different rates of residues ▶ Md. Harunor Rashid, Bangladesh Agricultural Research Institute, Bangladesh
472	Technology package for sustainable productivity and resiliency to climate variability: The proof from SIMLESA studies in Tanzania ▶ Daniel Rodriguez, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
473	Pedigree data analysis of a wheat population ▶ Sepideh Rouholamin, The University of Queensland, Australia
474	Unravelling the complex genetic architecture of spot blotch resistance in barley ▶ Dipika Roy, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
475	Integrated high-throughput phenotyping with high resolution multispectral, hyperspectral and 3D point cloud techniques for screening wheat genotypes under sodic soils ▶ Malini Roy Choudhury, The University of Queensland, Australia
476	Analyzing the climate change impact and farmer's adaptability strategies in Khyber Pakhtunkhwa, Pakistan ▶ Khuram Nawaz Sadozai, The University of Agriculture Peshawar, Pakistan
477	Does pulses cultivation uplift the farmer's livelihood in Khyber Pakhtunkhwa Province, Pakistan? ▶ Khuram Nawaz Sadozai, The University of Agriculture Peshawar, Pakistan
478	Economic analysis of cotton crop production in District Dera Ismail Khan, Khyber Pakhtunkhwa, Pakistan ▶ Khuram Nawaz Sadozai, The University of Agriculture Peshawar, Pakistan
479	Cropping system intensification for increasing crop productivity in salt-affected coastal zones of Bangladesh ▶ Rina Rani Saha, Bangladesh Agricultural Research Institute, Bangladesh
480	Zero tilled-paddy straw mulched potato (<i>Solanum tuberosum</i>) cultivation in the coastal saline soils reduce soil salinity, increase yield and profitability ▶ Sukanta Kumar Sarangi, ICAR-Central Soil Salinity Research Institute, India
481	Modelling yield and seasonal soil salinity dynamics in Rice-Grasspea cropping system for the Coastal Saline Zone of West Bengal, India ▶ Sukamal Sarkar, Bidhan Chandra Krishi Viswavidyalaya, India
482	Performance of garlic (<i>allium sativum</i>) varieties under zero tillage mulch condition in southern coastal region of Bangladesh ▶ Khokan Kumer Sarker, Bangladesh Agricultural Research Institute, Bangladesh
483	Effect of straw mulch and irrigation on sunflower and maize cultivation in no tillage systems of coastal heavy soils ▶ Khokan Kumer Sarker, Bangladesh Agricultural Research Institute, Bangladesh

484	Effects of fresh and saline water irrigation for maize in coastal areas of Bangladesh ▶ Khokan Kumer Sarker, Bangladesh Agricultural Research Institute, Bangladesh
485	Yield response of sunflower to sowing dates and NPK rates under zero tillage in wet soil of southwestern coastal Bangladesh ▶ Bidhan Chandro Sarker, Khulna University, Bangladesh
486	Prototype tool kit to identify yellow canopy syndrome in the field ▶ Gerard Scalia, Sugar Research Australia, Australia
487	Understanding how PHOTOPERIOD1 and FLOWERING LOCUS T2 regulate flowering time and spike development in wheat ▶ Lindsay Shaw, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
488	Characterizing genetic variation in late, deep wheat root architecture to improve yield and yield stability under terminal water stress ▶ Kanwal Shazadi, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
489	Building climate resilience and reducing yields gaps in the wheat belt of South Asia: Can it be achieved at scale? ▶ Balwinder Singh, International Maize and Wheat Improvement Center, India
490	Response of mungbean root system architecture to phosphorus application methods ▶ Vijaya Singh, The University of Queensland, Australia
491	Low cost protective structures providing suitable growing conditions for vegetable crops year-round in the tropics ▶ Thongkhoun Sisaphaithong, Ministry of Agriculture, Lao People's Democratic Republic
492	Genetic elucidation of glucosinolates in a diverse collection of Indian mustard (<i>Brassica juncea</i> L.) ▶ Erwin Tandayu, Southern Cross University, Australia
493	Affordable, Accessible, Asian (AAA) Drought Tolerant Maize specifically developed for poor-resource smallholders: A collaborative program between CIMMYT and SYNGENTA ▶ Herve Thieblemont, Syngenta Foundation for Sustainable Agriculture, Thailand
494	Control of sugar and fibre: Insights from sugarcane transcriptome analyses ▶ Prathima Thirugnanasambandam, ICAR - Sugarcane Breeding Institute, India
495	Isolation and characterization of full-length phenylalanine ammonium lyase and cinnamyl alcohol dehydrogenase genes involved in lignin biosynthesis of <i>Erianthus arundinaceus</i> ▶ Prathima Thirugnanasambandam, ICAR - Sugarcane Breeding Institute, India
496	Building farming resilience to climate change: Upland crop production in Northwest Cambodia ▶ Van Touch, The University of Sydney, Australia
497	Agroforestry suitability mapping for the northwest provinces of Vietnam ▶ Quyet Vu, Soils and Fertilizers Research Institute, Vietnam
498	Large scale genome-wide association study reveals drought induced lodging in grain sorghum is mainly driven by remobilisation and plant height ▶ Xuemin Wang, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
499	Adopting and adapting the principles of participatory guarantee systems for local quality assurance systems in conventional agriculture ▶ Salote Waqairatu-Waqainabete, Pacific Island Farmers Organisation Network; Pacific Agribusiness Research in Development Initiative 2 (PARDI2), Fiji
500	A novel biomarker test for sugarcane yellow canopy syndrome ▶ Kate Wathen-Dunn, Sugar Research Australia, Australia
501	Plant and seed mortality of fireweed <i>senecio madagascariensis</i> following herbicide application ▶ Kusinara Wijayabandara, The University of Queensland, Australia
502	Developing pigeonpea as a sustainable new field crop for Australia ▶ Rex Williams, Department of Agriculture and Fisheries, Queensland Government, Australia
503	Estimating soil organic carbon under different land-use types in Australia's Northern Grains Region using mid-infrared spectroscopy ▶ Alwyn Williams, The University of Queensland, Australia
504	Grain oats - an alternative winter cereal for the Australian sub-tropics? ▶ Bruce Winter, Department of Agriculture and Fisheries, Queensland Government, Australia
505	NT native rice - commercial use, regulation and benefit sharing ▶ Penny Wurm, Charles Darwin University, Australia
506	Commercial use of native species by Indigenous enterprises - a case study of native rice in the NT ▶ Penny Wurm, Charles Darwin University, Australia
507	Novel source of biotic stress resistance identified from brassica species and its wild relatives ▶ Rashmi Yadav, ICAR National Bureau of Plant Genetics Resources, India
508	Wxlv, the ancestral allele of rice Waxy gene ▶ Changquan Zhang, Yangzhou University, China
509	Is broadcasting mung bean into rice crops a useful practice in Timor-Leste? ▶ Robert Williams, University of Western Australia, Australia
510	National level economic and environmental benefits of rice hull biochar in Timor-Leste ▶ Robert Williams, University of Western Australia, Australia
511	Physiological response of 20 Bambara groundnut (<i>Vigna subterranea</i> L. <i>Verdc</i>) to intermittent periods of water stress during different growth stages ▶ Kennedy Agyeman, CSIR-Crops Research Institute, Ghana
512	Assessment of genetic diversity of Bambara groundnut (<i>Vigna subterranea</i> (L) <i>Verdc.</i>) accessions for the development of drought tolerance lines ▶ Faloye Benjamin Busuyi, International Institute of Tropical Agriculture (IITA), Nigeria

513	Demand driven common bean variety development and promotion for enhanced productivity and production ▶ Berhanu Amsalu Fenta, Ethiopian Institute of Agricultural Research, Ethiopia
514	Response of grain legume species to terminal drought in Timor-Leste ▶ Marcal Gusmao, National University of Timor Lorosa'e, Timor-Leste
515	Jatropha curcas development as intervention potential to tackling land, energy and food challenges of rural communities in dryland sub-Saharan Africa ▶ Joshua Ogunwole, Bowen University, Nigeria
516	Suitability evaluation of underutilized crops under future climate change using ecocrop model: A case of bambara groundnut in Nigeria ▶ Ezinwanne Ezekannagha, University of Cape Town, South Africa
517	Developing plantain for resistance to banana aphids by RNA interference ▶ Temitope Jekayinoluwa, University of Nairobi, Kenya

THEME 2: HORTICULTURE

Presented on Wednesday 13 November 2019 from 12:30-13:25

POSTER NUMBER	PAPER TITLE
518	Performance of zero tillage potato cultivation with different mulch materials in the South-Western Saline area of Bangladesh ▶ Mohammad Ali, The University of Queensland, Australia
519	Effect of mulch materials and nitrogen source on the performance of tomato in the South-Western Coastal area of Bangladesh ▶ Mohammad Ali, The University of Queensland, Australia
520	The effect of water stress combined with a heatwave on reproduction and yield of Roma-VF tomatoes ▶ Felix Amuji, Macquarie University, Australia
521	Challenges to increasing production and standardizing fruit quality of Calamansi (<i>Citrofortunella microcarpa</i>) towards geographic branding in Mindoro Island, Philippines ▶ Bryan Apacionado, Institute of Crop Science, College of Agriculture and Food Science, University of the Philippines Los Baños, Philippines
522	Four new macadamia varieties for the Australian industry ▶ Grant Bignell, Department of Agriculture and Fisheries, Queensland Government, Australia
523	Global scale GxE for Eucalyptus dunnii growth traits ▶ Michael Bird, The University of Queensland, Australia
524	Secreted-in-xylem genes as targets for the diagnostics of different races of <i>Fusarium oxysporum</i> f. sp. cubense infecting bananas ▶ Lilia Costa Carvalhais, The University of Queensland, Australia
525	Aligning Pacific cocoa genetics to productivity and quality for the craft speciality chocolate market ▶ Natalie Dillon, Department of Agriculture and Fisheries, Queensland Government, Australia
526	Horticulture innovation ▶ Alina Djanie, The University of Queensland, Australia
527	The effect of heat treatments and drip line placements on the yield and quality of garlic ▶ Alina Djanie, The University of Queensland, Australia
528	Analysis of gross margins in Queensland tomatoes ▶ Alisher Ergashev, Department of Agriculture and Fisheries, Queensland Government, Australia
529	Solanaceous plants respond to tospovirus infection by accumulation of small interfering RNAs homologous to both viral sequences and endogenous transcripts ▶ Stephen Fletcher, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Centre for Horticultural Science, Australia
530	Insight into the role of FT in macadamia ▶ YE Gong, The University of Queensland, Australia
531	Lime and fertiliser applications increase yield of leafy vegetable crops in Cambodia ▶ Sarith Hin, University of Southern Queensland, Australia
532	Light relation in intensive mango orchards ▶ Paula Ibell, Department of Agriculture and Fisheries, Queensland Government, Australia
533	RNAi-mediated management of whitefly <i>Bemisia tabaci</i> by oral delivery of double-stranded RNAs ▶ Ritesh Jain, The University of Queensland, Australia
534	Variations in macadamia varietal susceptibility to <i>Phytophthora multivora</i> and <i>P. cinnamomi</i> ▶ Olumide Jeff-Ego, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
535	Dependence on cross-pollination in macadamia and challenges for orchard management ▶ Wiebke Kamper, University of the Sunshine Coast, Australia
536	Shoot borer <i>Earias vittella</i> – a threat to the indigenous vegetable <i>Pele Abelmoschus manihot</i> in the Pacific ▶ Rashmi Kant, The New Zealand Institute for Plant and Food Research, New Zealand
537	Performance and genetic diversity among a collection of <i>Stevia rebaudiana</i> Bertoni accessions using microsatellite markers in Malaysia ▶ Pedram Kashiani, Universiti Pendidikan Sultan Idris, Malaysia
538	Introducing new improved variety of mangoes into the market: A preliminary consumer study at a shopping mall in Bogor, Indonesia ▶ Adhitya Marendra Kiloes, The University of Queensland, School of Agriculture and Food Sciences, Australia
539	The effect of medium type and subculture frequency on the induction of friable embryogenic callus for coconut cell suspension culture ▶ Eveline Kong, The University of Queensland, Australia
540	Macadamia genetics: Linkage mapping and genome anchoring ▶ Kirsty Langdon, Southern Cross Plant Science, Australia
541	Genetic tolerance in capsicum chinense to low pH constraints on root growth ▶ Minguo Li, The University of Queensland, School of Agriculture and Food Sciences, Australia
542	Nanobubbles in hydroponics ▶ Yimeng Li, The University of Queensland, Australia
543	Pilot-scale market survey of mango postharvest diseases in Fiji ▶ Mereia Fong Lomavatu, Ministry of Agriculture, Fiji

544	Phylogenetic relationship among <i>macadamia integrifolia</i> and <i>macadamia tetraphylla</i> wild accessions ▶ Thuy Thi Phuong Mai, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
545	Analysis of the temporal and spatial distribution patterns of abnormal vertical growth in commercial macadamia orchards in Australia ▶ Mohamed Zakeel Mohamed Cassim, The University of Queensland, Australia
546	Genetic diversity and population structure of field isolates of <i>Ganoderma boninense</i> from oil palm plantation in Solomon Islands ▶ Agnieszka Mudge, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
547	Investigating new methods to increase adventitious root formation ▶ William Nak, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
548	Avocado genome sequencing and development of genetic markers for breeding and germplasm identification ▶ Onkar Nath, The University of Queensland, Australia
549	New achievements for diagnostics of banana streak virus ▶ Thu Ha Ngo, The University of Queensland, Australia
550	The relationship between bulb yield and alliin concentration in garlic varieties ▶ Binh Nguyen, The University of Queensland, School of Agriculture and Food Sciences, Australia
551	BioClay: Topical RNAi for tomato spotted wilt virus resistance in crops ▶ Alexander Nilon, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
552	Characterization of Heterotrimeric G protein alpha subunit in tomato ▶ Thao Ninh, The University of Queensland, Australia
553	Breeding for resistance to husk spot disease in macadamia ▶ Jasmine Nunn, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
554	The use of sucrose and cold pre-treatments for cryopreservation of avocado (<i>Persea americana</i> Mill.) cultivars 'Velvick' and 'Reed' ▶ Chris O'Brien, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
555	Assessing the interaction between fig size and wasp abundance in a fig-wasp community at Moonbi range, New South Wales ▶ Blessing Ogunleye, University of New England, Australia
556	Do GAP practices improve market access for vegetable farmers? A case study from Vientiane Capital, Laos ▶ Gomathy Palaniappan, The University of Queensland, Australia
557	Biosecurity capacity for the Australian avocado industry ▶ Louisa Parkinson, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
558	Artificial microRNA (amiRNA) strategies for broad-spectrum resistance to tospoviruses ▶ Jonathan Peters, The University of Queensland, Australia
559	Air temperature an influential climatic factor for growth and reproduction of dry flower pathogens of macadamia ▶ Kandeeparoopan Prasannath, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
560	Dynamics of seedlings and mango varieties: A case study of breeders in mango production center in Majalengka, West Java, Indonesia ▶ Puspitasari Puspitasari, Indonesian Center for Horticulture Research and Development, Indonesia
561	Managing Phytophthora Wilt (caused by <i>Phytophthora capsici</i> Leonian) on chilli (<i>Capsicum annum</i> L.) in bhutan using animal manures and fungicides ▶ Ganja Singh Rai, The University of Sydney, Australia
562	Brassica biofumigants for improved soil health ▶ Gayathri Rajagopal, Department of Agriculture and Fisheries, Queensland Government, Australia
563	Low cost glad wrap film packaging delays postharvest senescence and maintains fruit quality of eight commercial Chili cultivars of Pakistan ▶ Rehan Riaz, CAB International (Central and West Asia), Pakistan
564	Optimizing planting method and fertilizer application rate for producing high quality nursery of onion cv. Phulkara ▶ Rehan Riaz, CAB International (Central and West Asia), Pakistan
565	Assessing food safety and quality compliance: An evidence from vegetable industry ▶ Rehan Riaz, CAB International (Central and West Asia), Pakistan
566	Postharvest innovation to maintain vegetable quality in developing countries with inaccessible cool chain facilities ▶ Sonthida Sambath, Cambodian Agricultural Research and Development Institute, Cambodia
567	RNA sprays to combat plant pathogenic fungi ▶ Anne Sawyer, The University of Queensland, Australia
568	Investigating the sporulation of <i>Metarhizium anisopliae</i> formulated in calcium alginate in soil ▶ Sudhan Shah, University of Southern Queensland, Australia
569	Evaluation of the effect of organic fertilisers on lettuce yield in Lao People's Democratic Republic (PDR) ▶ Phimmasone Sisouvanh, University of Southern Queensland, Australia
570	Evaluation of the effect of lime and irrigation on lettuce yield in Laos ▶ Phimmasone Sisouvanh, University of Southern Queensland, Australia
571	Investigating capacities to change soil and irrigation practices in vegetable production in two provinces in Cambodia ▶ Ann Starasts, University of Southern Queensland, Australia
572	Linkages for life: Assessing tomato value chain pathways and opportunities for better livelihoods of marginal and vulnerable groups in Pakistan ▶ Sajida Taj, Pakistan Agricultural Research Council, Pakistan

573	Postharvest loss improvement in cabbage and cai meo in Son La, Vietnam ▶ Van Touch, The University of Sydney, Australia
574	Distribution of the smut fungus <i>Ustilago cynodontis</i> within couch grass (<i>Cynodon dactylon</i>) plants ▶ Nga Tran, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Center for Horticultural Science, Australia
575	Back to basics: Does seed size affect germination and plant uniformity in broccoli (<i>Brassica oleracea var Italica</i>)? ▶ Celia van Sprang, Department of Agriculture and Fisheries, Queensland Government, Australia
576	Modification of in vitro bioassay for screening <i>Musa</i> species against <i>Fusarium oxysporum f. sp. cubense</i> ▶ Yuan Li Wu, Institute of Fruit Tree Research, PR China
577	Using demand-led approaches to improve tomato productivity in Ghana ▶ Agyemang Danquah, West Africa Centre for Crop Improvement, Ghana
578	Impact of pre-processing blanching treatment on lipophilic pigments and antioxidant property ▶ Phushudi Peter Tinyane, Tshwane University of Technology, South Africa
579	Untargeted uplc-ms approach to elucidate metabolic variation in South African exported avocados ▶ Semakaleng Mpai, Tshwane University of Technology, South Africa
580	Impact of pre-processing blanching treatment on metabolites and glycoalkaloids in African nightshade (<i>solanum retroflexum dun</i>) ▶ Dharini Sivakumar, Tshwane University of Technology, South Africa

THEME 3: LIVESTOCK

Presented on Monday 11 November 2019 from 12:30-13:25

POSTER NUMBER	PAPER TITLE
582	Bacteriostatic effect of egg albumen from hens of different feed efficiencies ▶ Doreen Onyinye Anene, The University of Sydney, Australia
583	Consumer preferences analysis for animal section at the markets (mandis) under religious meat value chain ▶ Shumaila Arif, University of Veterinary and Animal Sciences Lahore, Pakistan
584	Genotypic divergence of <i>Avibacterium paragallinarum</i> isolates with different nicotinamide adenine dinucleotide requirements for growth ▶ Pat Blackall, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
585	Cattle integration in Indonesian oil palm plantations: Impact on soil properties, oil palm yield, and understory plant composition and biomass ▶ Jori Bremer, University of New England, Australia
586	Understanding the impact of on-farm animal wastage on productivity and livelihoods of smallholder goat farmers in Punjab and Sindh, Pakistan ▶ Angus Campbell, The University of Melbourne, Nossal Institute for Global Health, Australia
587	Adaptive and productive sheep breed for changing climate ▶ Surinder Chauhan, The University of Melbourne, Australia
588	Genetic control of fertility traits across species: Association of genes controlling age at menarche and puberty in women and heifers ▶ Roy Costilla Monteagudo, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
589	Improving productivity on Sri Lankan small-holder dairy farms: The Sri Lanka Dairy Excellence Training Initiative ▶ Keryn Cresswell, Vetsouth Ltd, New Zealand
590	Use of point-of-care tests for detection of pig pathogens ▶ Agnes Dela Cruz, The University of Queensland, Australia
591	Evaluation of copra meal (CM) in corn-animal protein meal-based diets and enzyme on broiler performance ▶ Ashika Devi, University of the South Pacific, Samoa
592	Preliminary investigations in giant taro (<i>Alocasia macrorrhiza</i> L.) corn meal as energy source in poultry diets ▶ Siaka Diarra, University of the South Pacific, Samoa
593	Blood phosphorus concentration as an indicator of phosphorus deficiency in growing cattle ▶ Rob Dixon, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
594	Multi-trait genomic predictions for a novel age-at-puberty phenotype in tropically adapted beef heifers ▶ Bailey Engle, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
595	Ensiling unsalable vegetables with crop sorghum to produce high quality feed ▶ Daniel Forwood, The University of Queensland, Australia
596	Biopolymer composites for slow release to manage Pimelea poisoning in cattle ▶ Emilie Gauthier, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
597	Selection of small SNP panels to predict dairy breed proportions of African crossbred cattle ▶ Netsanet Gebrehiwot, University of New England, Australia
598	Adsorbents for the sequestration of the Pimelea toxin, simplexin ▶ Russell Gordon, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
599	Drought impacts on grassland productivity: The role of plant-soil feedbacks ▶ Kamrul Hassan, Western Sydney University, Hawkesbury Institute for The Environment, Australia
600	Communal grazing areas as source of calves for small holder farmers in dry Sumbawa, Indonesia: Challenges and opportunity for improvement ▶ Nurul Hilmianti, Indonesian Agency for Agricultural Research and Development, Indonesia
601	Farmer perception and resources for calf fattening under smallholder production system ▶ Humera Iqbal, The University of Veterinary and Animal Sciences Lahore, Pakistan
602	Linking smallholder farmers to potential beef markets: A case study of livestock farmers in Pakistan ▶ Humera Iqbal, The University of Veterinary and Animal Sciences Lahore, Pakistan
603	Shining a light on <i>Haemonchus contortus</i> in sheep ▶ Elise Kho, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
604	Establishing the underlying genetic basis of phenotypic resistance in <i>Avibacterium paragallinarum</i> ▶ Edina Lobo, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
605	Mitigating the effects of the toxin simplexin in pimelea poisoning of cattle by development of a microbial probiotic ▶ Zhi Hung Loh, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
606	Buffalo flies receptive to <i>Wolbachia</i> infection: An opportunity to population control? ▶ Mukund Madhav, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
607	Investigating host biomarkers associated with cattle tick resistance ▶ Emily Mantilla Valdivieso, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia

608	BioClay for sustainable animal health ▶ Karishma Mody, The University of Queensland, Australia
609	Effects of nano- pesticide formulation parameters on insecticidal effects against sheep blow fly (<i>Lucilia cuprina</i>) larvae ▶ Mona Moradi Vajargah, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
610	Climate change adaptation through planted forages in Southern Highlands, Tanzania ▶ Jessica Mukiri, International Center for Tropical Agriculture (CIAT), Kenya
611	Development of a bead-based identification assay for bacteria associated with bovine respiratory disease ▶ Nusrat Nahar, The University of Queensland, Australia
612	Detection of <i>Stephanofilaria</i> (<i>Nematoda: Filariidae</i>) in buffalo fly lesions ▶ Muhammad Noman Naseem, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
613	Predicting age of livestock from DNA hair samples ▶ Loan Nguyen, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
614	Effective host depletion and microbial enrichment method for bovine genital tract microbiome research ▶ Chian Teng Ong, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
615	Effect of feeding different cultivars of <i>Leucaena leucocephala</i> on rumen-based in vitro anaerobic fermentations ▶ Diane Ouwerkerk, Department of Agriculture and Fisheries, Queensland Government, Australia
616	Flight zone as an alternative temperament assessment to predict animal efficiency ▶ Mariano Parra, The University of Queensland, Australia
617	Milk delivery in tropically-adapted neonatal beef calves ▶ Luis Prada e Silva, The University of Queensland, Australia
618	Delay in progesterone decline before parturition is connected with failure of passive immune transfer in tropical composite beef calves ▶ Luis Prada e Silva, The University of Queensland, Australia
619	CLEM (Crop Livestock Enterprise Model) – a bio-economic model simulating changes to the whole of farm ▶ Di Prestwidge, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
620	DNA testing and genetic evaluation for poll breeding in tropically adapted beef cattle ▶ Imtiaz Randhawa, The University of Queensland, Australia
621	Proteomics as a potential tool for identifying biomarkers for host resistance to cattle tick ▶ Ali Raza, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
622	Sequencing <i>Bos indicus</i> bulls using long reads to solve the poll locus ▶ Elizabeth Ross, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
623	The Brahman Genome: A platinum quality genome for tropical beef production ▶ Elizabeth Ross, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
624	Cassava-based diets increase live weight gain of Cross Bred bulls in small fattening systems in Malang, East Java ▶ Deni Setiadi, Brawijaya University, Indonesia
625	Modelling and real-time optimisation of air quality predictions for Australia through Artificial Intelligence Algorithm ▶ Ekta Sharma, University of Southern Queensland, Australia
626	High level of energy and protein supplementation effect on feed intake and liveweight gain of Bali bulls fed elephant grass ▶ I Wayan Sulendre, Tadulako University, Indonesia
627	A multiplex molecular assay for <i>Glaesserella australis</i> ▶ Conny Turni, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
628	Assessing the value of whole genome sequence data in selecting for age at puberty in tropically adapted beef heifers ▶ Christie Warburton, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
629	Identification of <i>Ionopinella</i>-like species in oral cavity of koalas using housekeeping gene for phylogenetic analysis ▶ YuChen Wu, The University of Queensland, Australia
630	Development of a bead based molecular serotyping assay for <i>Glaesserella parasuis</i> ▶ Sarah Yee, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
631	Modelling the controlled release of toxins in a rumen environment ▶ Yue Yuan, The University of Queensland, School of Chemical Engineering, Australia
632	Nutritional composition of solid-state fermented camelina meal (an enriched protein source for broiler chickens) ▶ Oladapo Olukomaiya, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
633	Near infrared spectroscopy reflectance (NIRS) to evaluate seasonal relationship between crude protein and digestibility of forages ▶ Blessing Ogunleye, University of New England, Australia
634	Association of thermotolerance with milk production, feed saver, fertility and fat percentage breeding values in Holstein Friesian dairy cattle ▶ Richard Osei-Amponsah, University of Ghana, Ghana
635	Impacts of heat stress on the physiological and production responses of lactating dairy cows grazing pastures over hot summer months ▶ Richard Osei-Amponsah, University of Ghana, Ghana
636	Effects of acute heat stress on performance, blood parameters and meat quality of four broiler chickens strains ▶ Foluke Sola-Ojo, University of Ilorin, Nigeria

THEME 4: NUTRITION AND FOOD

Presented on Wednesday 13 November 2019 from 12:30-13:25

POSTER NUMBER	PAPER TITLE
637	Impact of innovative non-thermal technologies on anti-nutrient levels and functional properties of wattle seeds ▶ Oladipupo Qudus Adiamo, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia
638	Women empowerment and poverty reduction in rural Okara, Punjab Pakistan ▶ Mukaddas Afzal, National Agricultural Research Center, Pakistan
639	Determinants of food inflation in Pakistan: Empirical evidences ▶ Mukaddas Afzal, National Agricultural Research Center, Pakistan
640	Dubai Municipality initiative to reduce food loss ▶ Sayed Essam Alhashmi, The University of Sydney, Australia
641	Screening of probiotic lactic acid bacteria and prebiotics to select for effective synbiotics ▶ Battah Almutairi, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia
642	A systematic approach to defining nutritional quality of underutilised crops ▶ Razlin Azman Halimi, Southern Cross University, Australia
643	Kakadu plum (<i>Terminalia ferdinandiana</i>) - a native Australian fruit with functional properties ▶ Eshetu Mulisa Bobasa, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia
644	Exploring the nutritional and functional properties of two understudied Australian endemic plants: <i>Diploglottis bracteata</i> and <i>Syzigium aqueum</i> ▶ Mridusmita Chaliha, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia
645	Speciation and bioavailability of Zn in sweetcorn and maize kernels at different maturity stages ▶ Zhong Xiang Cheah, The University of Queensland, School of Agriculture and Food Sciences, Australia
646	Source-sink dynamics influence sweetcorn kernel Zn concentration ▶ Zhong Xiang Cheah, The University of Queensland, School of Agriculture and Food Sciences, Australia
647	A new method for the authentication of Australian honey ▶ Sadia Chowdhury, Forensic and Scientific Services Qld Health, Australia
648	Dietary alternative protein sources modulate intestinal microbiota and its relationship with apparent nutrient digestibility in farmed yellowtail kingfish <i>Seriola lalandi</i> ▶ Chinh Dam, University of The Sunshine Coast, Australia
649	Optimizing the antimicrobial activity of Tasmanian pepper leaf oil emulsion as a natural preservative for capsicum ▶ Maral Seidi Damyeh, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia
650	Measures with a human-centred design approach to increase the effectiveness of washing vegetables in Cambodia ▶ Franziska Doerflinger, Plant and Food Research, Australia
651	Roadmap for researchers studying northern Australian endemic plant foods ▶ Selina Fyfe, The University of Queensland, Australia
652	Analysis of environmental contaminants in Australian honey and comparison to stingless bee honey from Queensland and Malaysia ▶ Natasha Hungerford, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
653	Proteogenomics: An approach to integrate OMICS data for exploring functional genes responsible for stress tolerance and wax quality in Jojoba ▶ Ardashir Kharabian Masouleh, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
654	The effect of post-harvest storage on the physicochemical properties and phytochemical content of Queen Garnet Plum ▶ Gethmini Kodagoda, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia
655	Nutritional profile of high-amylose wheat starch: In vitro digestion and fermentation ▶ Haiteng Li, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Centre for Nutrition and Food Sciences (CNAFS), Australia
656	Indica SSIIa allele partially recovers the altered starch properties of down-regulated SBEIIb japonica rice without change its high amylose content ▶ Jixun Luo, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
657	Comparison of antioxidant properties of coconut testa flour of selected local coconut cultivars of Sri Lanka ▶ Sanjila Marasinghe, National Institute of Fundamental Studies, Sri Lanka
658	Aquaculture production for the rural population ▶ Ruth Muhonja, Flinders University, Australia Awards Scholar, Australia

659	<p>Photosensitization, a green treatment for the inactivation of <i>Aspergillus flavus</i> in peanuts mediated by curcumin</p> <p>▶ Nalukui Mukubesa, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia</p>
660	<p>Understanding the metabolic fate and bioactivity of dietary anthocyanins</p> <p>▶ Gabi Netzel, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia</p>
661	<p>Effect of photosensitization on inactivation of <i>Aspergillus flavus</i> in maize</p> <p>▶ Rafael Jose Nguenha, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia</p>
662	<p>Relationships between perceived satiation, subsequent satiety, and plant-based food features</p> <p>▶ Dongdong Ni, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia</p>
663	<p>Purple sweetcorn - an innovative horticultural product - consumer views</p> <p>▶ Sandra Olarte Mantilla, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia</p>
664	<p>Nutritional characteristics of Australian grown Feijoa (<i>Acca sellowiana</i>) and its antimicrobial activity</p> <p>▶ Anh Dao Thi Phan, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia</p>
665	<p>Impact of photosensitization on physicochemical properties in strawberries</p> <p>▶ Shammy Sarwar, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia</p>
666	<p>Lemon Myrtle (<i>Backhousia Citriodora</i>): unique Australian native superfood & cosmeceutical active</p> <p>▶ Prashant Sawant, Australian Native Products, Australia</p>
667	<p>Field drought conditions impact yield but not nutritional quality of the seed in common bean (<i>Phaseolus vulgaris L.</i>)</p> <p>▶ Millicent Smith, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India</p>
668	<p>Exploring the nutritional profile and bioactive potential of Australian grown Saltbush (<i>Atriplex sp.</i>)</p> <p>▶ Srivarathan Sukirtha, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), ARC Training Centre for Uniquely Australian Foods, Australia</p>
669	<p>Antimicrobial activity and ellagitannins from <i>Terminalia ferdinandiana</i></p> <p>▶ Yasmina Sultanbawa, The University of Queensland, Australia</p>
670	<p>High-amylose rice: Starch molecular structural features controlling cooked rice texture and preference</p> <p>▶ Keyu Tao, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia</p>
671	<p>Differences in the anthocyanin profile of different tissues of the strawberry fruit</p> <p>▶ Hung Trieu Hong, The University of Queensland, Australia</p>
672	<p>Indigenous vegetables in Vietnam: The nutritional and use values</p> <p>▶ Hung Trieu Hong, The University of Queensland, Australia</p>
673	<p>Discerning wine astringency sub-qualities by tribological approaches in a model system - what is the role of saliva?</p> <p>▶ Shaoyang Wang, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia</p>
674	<p>Introducing market-led approaches into postgraduate plant breeding education programmes in Africa</p> <p>▶ Shimelis Hussein, University of KwaZulu-Natal, South Africa</p>
675	<p>Exploring common bean fresh pod market in East African region: A case of Uganda</p> <p>▶ Stanley Nkalubo, National Crops Resources Research Institute (NaCRRI), Uganda</p>
676	<p>The performance of locally developed incubators for increased food and income security</p> <p>▶ Mohammed Tiyumtaba Shaibu, Council for Scientific and Industrial Research - Animal Research Institute, Ghana</p>

THEME 5: AGFUTURES

Presented on Monday 11 November 2019 from 12:30-13:25

POSTER NUMBER	PAPER TITLE
677	Economic, environmental, and social sustainability assessment of Queensland industries ▶ Alisher Ergashev, Department of Agriculture and Fisheries, Queensland Government, Australia
678	Digital twin for the future of orchard production systems ▶ Peyman Moghadam, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
679	Automated trapping for migrant insect pests ▶ Adam Quade, Department of Agriculture and Fisheries, Queensland Government, Australia
680	Predicting a path to increased genetic gain using artificial intelligence ▶ Kai Voss-Fels, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
681	Connectivity in Northern Australia ▶ Kimberley Wockner, Premise, Australia
682	Towards on-field diagnostics: Equipment-free nucleic acid purification in 30 seconds ▶ Yiping Zou, The University of Queensland, Australia

