

POSTER PROGRAM*



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POSTERS



FIELD CROPS

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

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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</i> ssp. <i>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 Sorghum 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</i>. L) ▶ 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 Saccharum 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	<p>Utilisation of sludge from ditches to maintain soil nutrients and increase rice yield in rice-shrimp systems in Vietnam</p> <p>▶ Duy-Minh Dang, Can Tho University, Vietnam</p>
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423	<p>Assessment of soil structural properties in relation to land use change in South-East Asia</p> <p>▶ Rachel de Lastic, The University of Queensland, Australia</p>
424	<p>Alternative legume crops for the southern region of Australia</p> <p>▶ Audrey Delahunty, Agriculture Victoria, Australia</p>
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430	<p>Genotypic variation in biomass produced is linked to differences in radiation acquisition in mungbean</p> <p>▶ Geetika Geetika, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia</p>
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439	<p>Perspective of smallholder farmers on smart farming gadgets in Pakistan</p> <p>▶ Nadia Jabeen, Pakistan Council of Research in Water Resources, Pakistan</p>
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451	Nanotechnology promotes R&D of micronutrient foliar fertilizers ‣ Peng Li, The University of Queensland, Australian Institute for Bioengineering and Nanotechnology (AIBN), Australia
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455	Rescheduling of wet season (<i>T. Aman</i>) rice planting for cropping intensification in coastal Bangladesh ‣ Mohammed Maniruzzaman, Bangladesh Rice Research Institute, Bangladesh
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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
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467	Host plant resistance to <i>Helicoverpa.armigera</i> has been observed in Australian wild Cajanus (Pigeonpea) species ‣ Vanambathina Premeela Rani, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia
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469	Going underground: Root and stool architecture traits to improve sugarcane productivity ‣ Anne Rae, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
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478	Economic analysis of cotton crop production in District Dera Ismail Khan, Khyber Pakhtunkhwa, Pakistan ▶ Khuram Nawaz Sadozai, The University of Agriculture Peshawar, Pakistan
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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
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484	Effects of fresh and saline water irrigation for maize in coastal areas of Bangladesh ▶ Khokan Kumer Sarker, Bangladesh Agricultural Research Institute, Bangladesh
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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
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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
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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
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500	A novel biomarker test for sugarcane yellow canopy syndrome ▶ Kate Wathen-Dunn, Sugar Research Australia, Australia
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519	Effect of mulch materials and nitrogen source on the performance of tomato in the South-Western Coastal area of Bangladesh ▶ M.Akkas Ali, Bangladesh Agricultural Research Institute, On-Farm Research Division, Bangladesh
520	The effect of water stress combined with a heatwave on reproduction and yield of Roma-VF tomatoes ▶ Felix Amuji, Macquarie University, Australia
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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 f. sp. cubense</i> infecting bananas ▶ Lilia Costa Carvahais, 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, Cambodian Agricultural Research and Development Institute, Cambodia
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 Bertoni</i> 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 formation 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	<p>Genetic tolerance in capsicum chinense to low pH constraints on root growth</p> <p>▶ Minguo Li, The University of Queensland, School of Agriculture and Food Sciences, Australia</p>
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556	<p>Do GAP practices improve market access for vegetable farmers? A case study from Vientiane Capital, Laos</p> <p>▶ Gomathy Palaniappan, The University of Queensland, Australia</p>
557	<p>Biosecurity capacity for the Australian avocado industry</p> <p>▶ Louisa Parkinson, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia</p>
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559	<p>Air temperature an influential climatic factor for growth and reproduction of dry flower pathogens of macadamia</p> <p>▶ Kandeeparoan Prasannath, The University of Queensland, Queensland Alliance for Agriculture and Food Innovation (QAAFI), Australia</p>
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563	<p>Low cost glad wrap film packaging delays postharvest senescence and maintains fruit quality of eight commercial Chili cultivars of Pakistan</p> <p>▶ Rehan Riaz, CAB International (Central and West Asia), Pakistan</p>
564	<p>Optimizing planting method and fertilizer application rate for producing high quality nursery of onion cv. Phulkara</p> <p>▶ Rehan Riaz, CAB International (Central and West Asia), Pakistan</p>
565	<p>Assessing food safety and quality compliance: An evidence from vegetable industry</p> <p>▶ Rehan Riaz, CAB International (Central and West Asia), Pakistan</p>

566	<p>Postharvest innovation to maintain vegetable quality in developing countries with inaccessible cool chain facilities</p> <p>▶ Sonnthida Sambath, Cambodian Agricultural Research and Development Institute, Cambodia</p>
567	<p>RNA sprays to combat plant pathogenic fungi</p> <p>▶ Anne Sawyer, The University of Queensland, Australia</p>
568	<p>Investigating the sporulation of <i>Metarhizium anisopliae</i> formulated in calcium alginate in soil</p> <p>▶ Sudhan Shah, University of Southern Queensland, Australia</p>
569	<p>Evaluation of the effect of organic fertilisers on lettuce yield in Lao People's Democratic Republic (PDR)</p> <p>▶ Suzie Jones, University of Tasmania, Australia</p>
570	<p>Evaluation of the effect of lime and irrigation on lettuce yield in Laos</p> <p>▶ Phimmasone Sisouvanh, National University of Laos, Laos PDR</p>
571	<p>Investigating capacities to change soil and irrigation practices in vegetable production in two provinces in Cambodia</p> <p>▶ Ann Starasts, University of Southern Queensland, Australia</p>
572	<p>Linkages for life: Assessing tomato value chain pathways and opportunities for better livelihoods of marginal and vulnerable groups in Pakistan</p> <p>▶ Sajida Taj, Pakistan Agricultural Research Council, Pakistan</p>
573	<p>Postharvest loss improvement in cabbage and cai meo in Son La, Vietnam</p> <p>▶ Van Touch, The University of Sydney, Australia</p>
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