

SCHOOL OF LAND CROP & FOOD SCIENCES

Research Higher Degree Students - 2009 Candidates

Last Name	First Name	Program	Project Title	Advisor Full Name
.	Hoerudin	PhD	In vitro digestion study of factors affecting carbohydrate availability from fruits and vegetables	Prof Mike Gidley Dr Bruce D'Arcy
Abbot	John	PhD	Assessment and control of environmental impacts of pesticides on coastal ecosystems	Prof Neal William Menzies Prof Richard George Burns
Alam	Mohammad Mobashwer	PhD	Genetic mapping and modeling of tillering in Sorghum	Dr David Robert Jordan Dr Erik Jan Van Oosterom Prof Graeme Hammer
Al-Attabi	Zahir	PhD	Volatile sulphur compounds in UHT milk	Dr Hilton Deeth Dr Bruce D'Arcy
Allan	Sally	PhD	Evaluation of Natural Plant Products for Weed Control in Organic Horticultural Production Systems	Dr Chris Colin O'Donnell Prof Stephen William Adkins
Antonova	Irina	PhD	Somatic embryogenesis for micropropagation of coconut (Cocos nucifera)	Dr Yohannes Maruli Sahap Samosir Prof Stephen William Adkins
Appleby	Nicola	MPhil	IT considerations for the effective use of bioinformatics data in a multi-location collaboration	Prof Kaye Enid Basford Dr David Edwards
Arief	Vivi	PhD	Association analysis to identify QTL in spring wheat using 25 years of CIMMYT international field trial data	Dr Jose Crossa Dr Ian Henson Delacy Dr Mark John Josef Dieters
Atkin	Felicity	PhD	Estimates of breeding value of sugarcane clones from different regions and their impact of designing an efficient parent management and crossing program	Dr Joanne Kay Stringer Dr Mark John Josef Dieters
Biggs	Andrew	PhD	Sources, mobility and fate of salts in soils of the Queensland Murray-Darling Basin	Bernard Powell Dr Gunnar Kirchof Prof Neal William Menzies
Bigwood	Ross	PhD	CRITERIA FOR THE ESTABLISHMENT OF EFFECTIVE CAPILLARY BARRIERS	Prof David Robert Mulligan Prof Neal William Menzies AsPr Hwat Bing So
Brady	Philip	PhD	Understanding captive fertility in penaeid prawns: a functional genomic approach	Dr Abigail Elizur Dr Wayne Knibb Prof Richard Randolph Williams
Bragg	Lauren	PhD	Development of statistical and computational methods for the analysis of metagenomic sequence data	Dr Glenn Stone Prof Mark Morrison Dr David Edwards
Brawner	Jeremy	PhD	Optimizing the deployment of genetic resources for reafforestation	Dr Mark John Josef Dieters
Butardo	Vito	PhD	Exploring Rice Diversity for Novel Starch Properties	Dr Melissa Anne Fitzgerald Dr Sadequr Rahman Prof Mike Gidley
Callow	Mark	PhD	WATER USE EFFICIENCY OF PASTURE AND CROP SPECIES IN A SUB-TROPICAL ENVIRONMENT	Prof Shu Fukai Dr Harry Maxwell Shelton
Campbell	Bradley	PhD	The role of retrotransposons in causing somaclonal variation in genetically modified cereals	Mr George Piperidis Dr Ian Godwin
Carr	Margaret	MPhil	Statistical models for testing effects in Heifer management study	Dr Olena Kravchuk Mr Geoffrey Fordyce Dr Anthony John Swain Prof Kaye Enid Basford
Cave	Robyn	PhD	The influence of vernalization and day length on flowering <i>Brunonia australis</i> and the use of plant growth regulators to produce a compact floriferous product and control flowering	Dr Colin James Birch Prof Graeme Hammer Prof John Erwin Dr Margaret Elizabeth Johnston
Che Husin	Nor Mayati	PhD	Involvement of ethylene in plant wounding responses	Prof Jose Ramon Botella Dr Daryl Clifford Joyce

Chen	Sheena	MPhil	Enhancing of the Antimicrobial Properties of Oil by Forming Nanoemulsions	Dr Mark Stephen Turner Prof Bhesh Raj Bhandari
Cheth	Kimngoy	MPhil	Optimizing Legume Growth in Rice-based Cropping Systems in the Rainfed Lowland Environment in Cambodia	Prof Shu Fukai
Chung	Hsiao-Hang	PhD	Investigating the molecular basis of betalain pigment biosynthesis using an Australian native flower as a model	Dr Daryl Clifford Joyce Prof Richard Randolph Williams Dr Dion Kevin Harrison
Cleaves	Bruce	MPhil	Fungal biological control of grapevine bunch rots	Dr Daryl Clifford Joyce Dr Victor Joseph Galea
Conway	Janine	PhD	Effect of pruning on Macadamia architecture, photosynthesis and flowering	Prof Shu Fukai Dr Russell Arthur Stephenson Dr James Scott Hanan
Damunupola	Jilushi	PhD	Xylem flow in cut-flowers and foliage	Dr Donald Irving Dr Daryl Clifford Joyce
Degefu	Teshale	PhD	Study of the efficacy of phytochemical pesticides encapsulated in clay nanoparticles	Dr Neil Heather Prof Gaoqing Lu Dr Errol Hassan
Deifel	Kurt	MPhil	Comparative study of drought adaptation in maize and sorghum	Dr Erik Jan Van Oosterom Prof Graeme Hammer
Devereux	Alison	PhD	Water extraction and root growth of maize and cotton and their implication in maize-cotton rotation	Dr Nilantha Rukmin Hulugalle Prof Shu Fukai
Dhital	Sushil	PhD	Effects of various processing methods on the structure and resistant starch content in model starches	Dr Ashok Kumar Shrestha Prof Mike Gidley
Diplock	Naomi	PhD	Investigation of dieback disorder of Parkinsonia aculeate and its potential for use as biological control agent	Dr Rieks Dekker Van Klinken AsPr Alan Harold Wearing Dr Victor Joseph Galea
Duran	Christopher	PhD	The development and application of bioinformatics tools for the integration and analysis of crop genetic and genomic data	Dr Jacqueline Batley Prof Kaye Enid Basford Dr David Edwards
Effendi Hasibuar Muhammad Haris		PhD	Study of resistant starch from Indonesian rice varieties for healthier nutrition	Prof Mike Gidley Prof Bob Gilbert
Eglezos	Sofronios	PhD	Persistence of aerobic mesophilic sporeformers in crumbed meat and poultry	Dr Narelle Fegan Dr Gary Dykes
Eyre	Joseph	PhD	The postharvest physiology of Backhousia myrtifolia	Dr Donald Irving Dr Daryl Clifford Joyce
Fibrianto	Kiki	MPhil	Moisture migration mechanism in a food powder system	Dr Hilton Deeth Prof Bhesh Raj Bhandari
Finn	Avril	PhD	Improving utilization of sorghum grain through feed additives and kafirin analysis	Dr David Cadogan Dr Barbara Williams Dr Ian Godwin Prof Mike Gidley
Fraser	Grant	PhD	Surface water movement in pasture systems: The role of surface soil and vegetation interactions	Dr Greg M McKeon Mr John Carter Dr Gunnar Kirchhof
Fyfe	Kim	PhD	The surface composition of dairy powders systems	Dr Olena Kravchuk Dr Hilton Deeth Prof Anh V Nguyen Prof Bhesh Raj Bhandari
Ginjom	Irine	PhD	Health aspects of wine antioxidants: composition and in vitro bioavailability	Mrs Nola Anne Caffin Prof Mike Gidley Dr Bruce D'Arcy
Gregor	David	PhD	Development of engineering solutions to improve crop planting technologies for yield improvement and weed suppression in South Australian winter grain crops	Dr Kwong Yin Chan Dr Deirdre Lemerle Dr Madan Lal Gupta Dr Jeffrey Tullberg

Gunness	Purnima	PhD	Mechanisms behind the cholesterol-reducing effect of soluble dietary fibres	Mr Stephen Nottingham Dr Bruce D'Arcy Dr Olena Kravchuk Prof Mike Gidley
Gunua	Tony-George	MPhil	Integrated Disease Management (IDM) of Fusarium wilt (<i>Fusarium oxysporum</i> f.sp.batatas) of Sweet Potato (<i>Ipomea batatas</i>)	Prof Terry Vincent Price Dr Victor Joseph Galea
Haque	Md.	PhD	Water-protein interaction and kinetics of protein conformational changes in dairy powder systems	Dr Hilton Deeth Prof Bhesh Raj Bhandari Prof Mike Gidley Prof Andrew Whittaker
Heimoana	Simone	PhD	The effect of aphids (<i>Aphis gossypii</i>) feeding on photosynthesis in cotton	Dr Greg Constable Dr Robert James Fletcher Mr Lewis Joel Wilson Dr Douglas Lloyd George
Herrington	Mark	PhD	Improving the efficiency of breeding strawberries in Queensland through choice of parents and selection of individual progeny	Dr Craig Hardner Dr Malcolm Keith Wegener Dr Mark John Josef Dieters
Hewavitharana	Sam	MPhil	Formulation and evaluation of an agricultural spray oil using paraffinic wax	Dr David Johnson Dr Andrew John Hewitt Dr Victor Joseph Galea
Hickey	Lee	PhD	Investigation of techniques to rapidly introgress new genes into adapted bread wheat cultivars	Dr Elizabeth Anne Black Aitken Dr Ian Godwin Dr Mark John Josef Dieters
Ho	Binh	PhD	Use of nanoparticles to control the ripening of fruits	Prof Bhesh Raj Bhandari
Holmes	Kylie	PhD	THE SALT AND WATER BALANCE OF A LAND DISPOSAL SYSTEM FOR HIGHLY SALINE INDUSTRIAL EFFLUENT	Dr Gunnar Kirchhof AsPr Hwat Bing So
Horton	Jessie	PhD	MICROAGGREGATION OF CLAY MINERALS: A PATHWAY TO SEQUESTER ORGANIC CARBON IN SOILS	Prof Roger Samuel Swift Dr Kathleen Mavis Spark
Hossain	Shek	PhD	Combining molecular plant physiology and breeding to improve canola (<i>Brassica napus</i>) performance in dry environments	Dr Ian Godwin Dr Christopher John Lambrides
Imelfort	Michael	PhD	The development and application of bioinformatics and statistical tools for the assembly and analysis of plant genome sequence data	Prof Kaye Enid Basford Dr David Edwards
Inthavong	Thavone	PhD	Application of crop modeling and GIS techniques to characterize rainfed lowland rice based cropping system in Lao PDR	Dr Mitsuru Tsubo Prof Shu Fukai
Iramu	Ellen Talairamo	PhD	Asexual propagation and characterisation of genetic diversity of slippery kabis (<i>Hibiscus manihot</i>)	Prof Richard Randolph Williams Dr Douglas Lloyd George
Jewell	Margaret	PhD	Eco-Turf: molecular genetic approaches to improving water use efficiency in turfgrass	Dr Christopher John Lambrides Dr Tim Holton Dr Ian Godwin
Jones	Benjamin	PhD	Use of organic matter amendments/clays to improve rehabilitation of bauxite refinery residue sand	Dr Ian Richard Phillips Prof Richard Haynes
Kasim	Zalifah	PhD	Relationships between food structure and satiety	Dr Bruce D'Arcy Mrs Nola Anne Caffin Prof Mike Gidley
Khan	Ikramullah	PhD	Parthenium weed seed spread and management	Dr Douglas Lloyd George Mr Sheldon Carl Navie Dr Chris Colin O'Donnell Prof Stephen William Adkins
Khan	Naeem	PhD	Management of Parthenium Weed - A threatening Invasive Weed of the Agricultural Land and Livestock of Australia	Dr Chris Colin O'Donnell Dr Douglas Lloyd George Prof Stephen William Adkins

Le	Thao Thi Thu	MPhil	Maillard reactions and protein cross linking during storage of milk powder	Prof Bhesh Raj Bhandari Dr Hilton Deeth
Lee	Yoke	MPhil	Low fat peanut butter	Prof Bhesh Raj Bhandari
Lester	David	PhD	IMPACT OF CUMULATIVE, LONG TERM NITROGEN AND PHOSPHORUS FERTILIZER APPLICATIONS UPON SOIL ORGANIC CARBON FRACTIONS	AsPr Paul Saffigna Dr Christopher Dowling Dr Colin James Birch
Li	En Peng	PhD	Biosynthesis-structure-property relations of sorghum starch	Dr Ian Godwin Prof Bob Gilbert
Liu	Yen-Yiu	PhD	Effects of land application of contaminated effluents on soil properties and the size, activity and diversity of soil microbial communities	Prof Ravi Naidu Prof Richard Haynes
Macanawai	Apaitia	PhD	Socio-economic and Environmental Impacts of Mile-a-Minute (<i>Mikania micrantha</i> H.B.K.) (Asteraceae) and perception to its biological control in Fiji	Mr Michael Denny Day Dr Tessie Tumaneng-Diete Prof Stephen William Adkins
McKenna	Brigid	PhD	Mechanisms of aluminium toxicity in plant cell walls	Mr Graham Kerven Dr Johannes Bernhard Wehr Prof Neal William Menzies
McKeon	Michael	PhD	Water deficit tolerance mechanisms of the tree <i>Rhodospaera rhodantha</i>	AsPr Roger Keith Kjelgren Dr Donald Irving Dr David Doley Dr Daryl Clifford Joyce
Md Noordin	Wan Norhana	PhD	The persistence and control of <i>Salmonella</i> and <i>Listeria</i> in shrimp	Dr Hilton Deeth Ms Susan Elizabeth Poole Dr Gary Dykes
Mehmood	Zaffar	PhD	Micro emulsions of phytochemicals for extending the shelf life for fresh foods	Dr Roger Stanley Dr Bruce D'Arcy
Mitchell	Jaqueline	PhD	Drought stress physiology in wheat	Dr Scott C Chapman Mr Gregory John Rebetzke Prof Shu Fukai
Mohanty	Monoranjan	PhD	Simulation of nitrogen/phosphorus release from organic materials using APSIM in the soybean/wheat cropping system on Vertisols	Dr Ram Chander Dalal Dr Robin Probert Prof Neal William Menzies
Montes-Castillo	Mauricio	PhD	Genotype by environment interaction in Australian dairy cattle	Dr Ian Henson Delacy Dr Mark John Josef Dieters
Murray	Dennis	PhD	Characterisation of protein structure and nutritional functionality at low moisture levels	Prof Andrew Whittaker Prof Mike Gidley
Nguyen	Thi Lan Thi	PhD	The impact of parthenium weed on native plant biodiversity	Dr Douglas Lloyd George Mr Sheldon Carl Navie Dr Chris Colin O'Donnell Prof Stephen William Adkins
Nguyen	Vu Tuan	PhD	Characterization of surface properties and attachment of <i>Complobacter jejuni</i>	Dr Mark Stephen Turner Dr Gary Dykes
Okpul	Tom	PhD	Genetic basis of yield stability and the role of mobile genetic elements and retroviruses in sweet potato (<i>Ipomoea batatas</i> Lam.)	AsPr Robert Harding Dr Mark John Josef Dieters Dr Ian Godwin
Ong	Shu Hwa	PhD	Comparing the Food Preferences, Factors Affecting Food Selectivity, and the Nutritional Ecology of Children With and Without Asperger's Syndrome	Dr Bruce D'Arcy
Orzek	Sybille	PhD	Floral management in <i>Ptilotus nobilis</i>	Prof Richard Randolph Williams Dr Margaret Elizabeth Johnston
Padayachee	Anneline	PhD	Nutrient release from processed fruit and vegetable food components	Prof Mike Gidley
Paytas	Marcelo	PhD	Growth and yield affected by early water stress and nitrogen in high retention cotton	Mr Stephen John Yeates Dr Longbin Huang Prof Shu Fukai
Peate	Jonathan	PhD	Further advances into the characterization of high molecular weight starch	Prof Mike Gidley Prof Bob Gilbert

Perna	Jason	PhD	DETECTION AND AMELIORATION OF POTASSIUM DEFICIENCY IN RAINFED CROPPING SYSTEMS	Dr M J Bell Dr Philip William Moody Prof Neal William Menzies
Purwatiningsih	Purwatiningsih	PhD	Evaluation of insecticidal efficacy of <i>Acarus calamus</i> L. on <i>Plutella xylostella</i> L.	Dr Neil Heather Dr Errol Hassan
Radrizzani Bona	Alejandro	PhD	Sustaining nitrogen of grazed <i>Leucaena leucocephala</i> (leucaena) pastures in Queensland	Dr Scott Allan Dalzell Dr Gunnar Kirchof Dr Harry Maxwell Shelton
Ramasubramani	Lakshmi	PhD	The interaction of calcium and proteins during heat treatment of milk	Prof Bhesh Raj Bhandari Dr Hilton Deeth
Ratnayake	Ratnayake	PhD	Efficiency of postharvest vase treatments for cut flowers and foliage	AsPr Alan Harold Wearing Dr Daryl Clifford Joyce
Robinson	Travis	PhD	The potential of biosolids and flyash mixtures for revegetation of degraded lands	Prof Roger Samuel Swift Dr Kathleen Mavis Spark
Roche	Matthew	MPhil	Characterisation of <i>Cynodon</i> cultivars for turf use in Australia	Dr Don Loch Dr Ian Godwin Dr Christopher John Lambrides
Sapak	Zaiton	PhD	Development of an infection and sporulation model for powdery mildew of cucurbits	Dr Elizabeth Minchinton Dr Daryl Clifford Joyce Dr Victor Joseph Galea
Sexton	Gary	PhD	The Genetic Diversity of <i>Khaya senegalensis</i> Across Tropical Africa	Dr Ian Godwin Dr Mark John Josef Dieters
Shabbir	Asad	PhD	Biological Control of Parthenium Weed	Dr Chris Colin O'Donnell Dr Kunjithapatham Dhileepan Prof Stephen William Adkins
Sheldon	Anna	PhD	Subsoil constraints to root growth and water use efficiency in northern grain soils	Dr Ram Chander Dalal AsPr Hwat Bing So Dr Gunnar Kirchof Prof Neal William Menzies
Sibson	Katie	PhD	Ley pastures and their establishment in the southern Queensland grain growing region	Dr Douglas Lloyd George Mr David Llewellyn Lloyd Dr Leonard Bahnisch
Singh	Vijaya	PhD	Variability in structure and function of Sorghum root systems	Dr David Robert Jordan Dr Ahmad Manschadi Dr Erik Jan Van Oosterom Prof Graeme Hammer
Smith	William	PhD	Exploring gene regulation in the cheese bacterium <i>Lactococcus</i>	Dr Gary Dykes Dr Mark Stephen Turner
Soda	Wannipa	PhD	The potential of spent wash from sugarcane distillation in the development of an environmentally sound potassium (K) delivery platform for crop production systems	Dr Andrew Duncan Noble Dr Philip William Moody Prof Neal William Menzies
Sohail	Asma	PhD	Encapsulation of food and pharmaceuticals in alginate micro-beads	AsPr Allan Coombes Dr Mark Stephen Turner Prof Bhesh Raj Bhandari
Sommano	Sarana	PhD	Discolouration in <i>Backhousia myrtifolia</i> (Cinnamon Myrtle) plant tissue	Dr Bruce D'Arcy Dr Daryl Clifford Joyce
Sun	Yue	PhD	The development of novel sunflower products for dry land environments using molecular plant physiology and breeding	Dr Ian Godwin Dr Christopher John Lambrides
Toh	Ruey	MPhil	Investigation of fungi pathogenic towards seedlings of parkinsonia - their potential for use as mycoherbicides	Dr Rieks Dekker Van Klinken Dr Victor Joseph Galea
Tran	Vu Huy	MPhil	A molecular understanding of traditional mead fermentation and flavour development	Dr Gary Dykes Dr Bruce D'Arcy
Vaughan	Sarah	PhD	Evaluation of soil carbon and nitrogen cycles to improve nutrient efficiency in intensively copped vertosols in the sub-tropics	Dr Ram Chander Dalal Dr Stephen Mark Harper Prof Neal William Menzies

Vial	Leigh	PhD	An assessment of the benefits of intensifying and diversifying the rice system in the Lao lowlands, and the dynamics of farmer decision making on these changed systems	AsPr Robert Anderson Cramb Dr Rod David Bruce Lefroy Prof Shu Fukai
Wang	Dongjie	PhD	In-vitro biomarkers for absorption of fruit polyphenols	Dr Mario G Ferruzzi Dr Bruce D'Arcy
Waramboi	Joel	PhD	Influence of processing on digestibility and mineral bio-availability of sweet potato from Papua New Guinea	Prof Peter John Halley Dr Timothy Nicholson Prof Mike Gidley Dr Peter Adeoye Sopade
Weerakkody	Nimsha	PhD	The Application of Herbs and Spices to Control Pathogens in Ready to Eat Ham and Luncheon Foods	Mrs Nola Anne Caffin Dr Gary Dykes
Weerasuriya	Sheron Nishanie	MPhil	Nitrogen use efficiency in tomato	Dr Stephen Mark Harper Mr Desmond McGrath Prof Neal William Menzies
Wickramasinghe Priyanka		PhD	Investigating breeding incompatibility mechanisms of Calandrinia species.	Dr Margaret Elizabeth Johnston Dr Dion Kevin Harrison
Wightwick	Adam	PhD	Managing copper inputs to viticultural soils for the protection of soil fertility: risk assessment, prevention and remediation	Prof Neal William Menzies
Williams	Wendy	PhD	Cyanobacteria and cryptogamic soil crusts: importance to land rehabilitation and nutrient contribution in arid and semiarid regions of Australia	Dr Manda Jane Page Mr Bruce Alchin Dr Victor Joseph Galea
Woon	Peter	PhD	Genome diversity and response of organisms to environmental factors	Prof Kaye Enid Basford Prof Vladimir Brusic
Xu	Yun Yun	PhD	Understanding the mechanism and factors affecting surface migration of food proteins during spray drying	Dr Benu Prasad Adhikari AsPr Tony Howes Prof Bhesh Raj Bhandari
Yeates	Stephen	PhD	The crop adaptation and agronomic feasibility of dry season cotton production in the Australian semi-arid tropics	Dr Greg Constable Dr Longbin Huang Prof Shu Fukai
Zainul Abidin	Syahriza	PhD	Physical and structural studies on various starches and its relations to human digestibility	Prof Mike Gidley AsPr Norziah Mohd. Hani Prof Bob Gilbert
Zhou	Ya-Feng	PhD	Use of waste products to immobilize heavy metal contamination in bulk waste materials	Prof Ravi Naidu Prof Richard Haynes