

SOIL SCIENCE AUSTRALIA
Certified Professional Soil Scientist (CPSS) Directory 2018

as at 4/06/2018

Surname	First name	Title	CPSS since	Accred	Other quals	Company	State	Profile	Self-nominated expertise	Mobile	Email
Currie	Dougal	Dr	2017	CPSS	PhD Soil Physics, BSc(Hons)	CDM Smith	SA		Environmental (soil) physics and landscape hydrology, Root zone drainage, Soil quality	0402 936 117	curriedr@cdmsmith.com
Dohle	Lynette	Ms	2017	CPSS	MAGSc(Soil Conserv), BAgSc(Hons)	Primary Industries and Regions South Australia	SA	<p>Lyn Dohle works for PIRSA as a Senior Land Management Consultant located at the Kingscote Office. She provides expert technical advice and support in soil, water and vegetation management with an emphasis on sustaining both primary industries and enhancing natural resources. She has worked in this area for over 25 y and provides land management consultancy services to the State Government, Natural Resource Management Boards, farming systems groups and individuals.</p> <p>Lyn was awarded a Certificate of Merit for the McKell Medal in 2010 in recognition of her skills and expertise in land management. The McKell Medal is the most prestigious Australian award for excellence and achievement in natural resource management.</p>	Soil conservation, Land management planning, Soil acidity	0419 846 204	lyn.dohle@sa.gov.au

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Fitzpatrick	Robert	Dr	2000	CPSS	PhD MinGeochem, MScAg Soil Sci, BScAg Soil Sc (Hons), Dipl ChemTech, Cer. Mine Assay Competency	CSIRO Land and Water	SA	Recent professional experience: National and international leadership in recognising and establishing the importance, extent and severity of inland acid sulfate soils as an environmental issue in both public and government arenas; Leading development of first national map and atlas of coastal and inland Australian acid sulfate soils, which underpins procedures and guidelines for identification and remediation strategies of acid sulfate soils in environments across Australia; Developing a new geochemical sampling medium for mineral exploration, based on an understanding of acid sulfate soil processes. He is a Fellow of the Australian Academy of Technological Sciences and Engineering (FTSE), and was awarded the: Gold medal for science by the Chinese Academy of Sciences in 1997; Prescott Medal of Soil Science awarded by the Australian Society of Soil Science for outstanding contributions to soil science in 1998; Sir Joseph Verco Medal awarded by the Royal Society of South Australia for outstanding contributions to science in 1999. He is a member of the following Soil Science Societies: Australian (Certified Professional Soil Scientist: CPSS), British, American, South African (Fellow); International Union of Soil Sciences (Life Member, since 1983), International Association for the Study of Clays (Life Member, since 1984), Australian Clay Minerals Society, Royal Society of South Australia, International Geohazards Working Group, Australian and New Zealand Forensic Science Society (ANZFSS). He has published >70 journal articles, 67	Soil management and conservation, Research, Soil forensics, Soil biochemistry. He is a Chief Research Scientist and leads the Soil Biochemistry Group and Advanced Analytical Techniques in Biochemistry stream in CSIRO Land and Water; He is a Professorial Fellow at Flinders University, and University of Adelaide.	0408 824 215	rob.fitzpatrick@csiro.au
Grant	Cameron	Dr	2005	CPSS	PhD soil physics, MSc soil physics, BScAg(Hons)	BG Horizons	SA	I am interested in applying the principles of Soil Physics to improve our understanding of soil water retention, movement and availability to plants. I am also interested in the mechanisms of self-mulching behaviour in clay soils, and whether these can be manipulated to make the properties of cricket pitches more manageable, or at least more predictable.	Applied soil physics, plant available water, soil structure (assessment, management, amelioration), Training, advice and consultation services, Soils for cricket pitches.	0408 088 953	cameron.grant@adelaide.edu.au
Harding	Andrew P	Mr	2017	CPSS	MAg(Soil Conservation) BAppIScAg, Grad Dip Ag, Dipl Proj Mgmt, MBH, Dipl Mgmt	Rural Solutions SA	SA	Andrew is a Senior Consultant in Sustainable Agriculture with Rural Solutions SA	Project planning, development, management, evaluation and reporting. Technical expertise in soils/ soil conservation and sustainable land management particularly in soil nutrition, water erosion control, dryland salinity and soil acidity. Soil pH mapping, Sustainable farming systems, Facilitation and group dynamics, Market research: social survey skills	0417 886 835	andrew.harding@sa.gov.au

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Kookana	Rai	Dr	2017	CPSS	PhD (Soil Physics and Chemistry), MSc (Soil Science), BScAg(Hons)	CSIRO Land and Water	SA	Dr Kookana is a leading soil scientist with a focus on organic contaminants in the environment (soil and water). In particular, he has combined his expertise in soil physics with interests in organic chemistry and toxicology for contaminants in the environment. He has worked >25 y in CSIRO in Adelaide during which he has published hundreds of research papers, supervised and mentored numerous postgraduate students and postdoctoral fellows, convened major national and international conferences, and was recently recognised by Soil Science Australia with the award of the 2016 JA Prescott Medal. He has been editor/associate editor of multiple international soil science journals, including Soil Research. He is also a member of many national and international bodies responsible for measuring and setting guidelines on organic contamination and environmental	Soil organic pollutants, environmental chemistry, land application of organic wastewater	0408 859 536	rai.kookana@csiro.au
McLaughlin	Michael	Professor	2002	CPSS	PhD Soil Chemistry, MAgSc, BSc(Hons)	CSIRO University of Adelaide	SA	Dr Mike McLaughlin was a Chief Research Scientist in the Environmental Biogeochemistry program of CSIRO Land and Water. As well he was Team Leader of the Soil Nutrients and Contaminants Stream in CSIRO's Agricultural Sustainability Flagship. Other roles include: Professor of Soil Science in the School of Agriculture, Food & Wine at University of Adelaide); one of the five international scientists on the Metals Environmental Research Association's Ecotoxicity Technical Advisory Panel; President of the World Council of the Society of Environmental Toxicology and Chemistry. Dr McLaughlin also manages research related to the Infrared Soil Analysis Service, which uses mid-infrared (MIR) spectroscopy for the rapid non-destructive analysis of soil physical and chemical properties.	Soil management and conservation, Basic and applied research in soil fertilisers, Soil fertility, Biogeochemistry of nutrients and pollutants in soils, Environmental chemistry and toxicology, specifically the assessment and remediation of contaminated soils; Advanced techniques to measure and monitor nutrients and pollutants in the environment.	0409 693 906	Mike.McLaughlin@csiro.au

Mosley	Luke	Dr	2017	CPSS	PhD, PhilDipSc, BSc	University of Adelaide	SA	I am a senior research fellow at the University of Adelaide's Acid Sulfate Soil Centre, a multidisciplinary research group addressing acid sulfate soil issues of national and international significance. I also hold a visiting Scientist position with CSIRO Land and Water where I have strong collaborative links at the Waite Campus. I am interested in understanding and solving complex environmental problems across multi-disciplinary boundaries (water, soil, ecology). Recent research focuses on metal and acid-base chemistry of water and soil; acid sulfate soils; impacts of drought and climate change on water and soil quality; biogeochemistry of the River Murray, Lower Lakes and Coorong catchment; development of novel methods and instrumentation to measure pH and metals. Depending on current research activities I am available to work on small or large consulting and contract research projects. Recently I have undertaken consultancies for the EPA of South Australia, Murray-Darling Basin Authority, CSIRO, and Department for Environment, Water and Natural Resources (DEWNR).	Soil chemistry, Acid sulphate soils	0428 103 563	luke.mosley@adelaide.edu.au
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Oliver	Danielle	Ms	2002	CPSS	MAGSc, BAGSc(Hons)	CSIRO Land and Water	SA	Ms Danni Oliver develops techniques for analysing organic contaminants in soil and water and management practices. She is a Team leader in the Trace Organics and Risk Assessment research group within the Environmental Biogeochemistry research program of CSIRO. Ms Oliver has extensive experience in organic analytical chemistry, management of off-site transport of pesticides and environmental risk assessment of organic contaminants. She is currently involved in projects studying the processes of off-site transport of pesticides, sediment and nutrients from agricultural environments. Ms Oliver is an environmental chemist with expertise in: organic analytical techniques for soils and water samples, management practices to minimise off-site transport of pesticides into waterways, application of risk assessment tools to assess likelihood of environmental impact of pesticides. Ms Oliver has > 20 y experience in environmental chemistry. In the last 10 y she has focused on organic contaminants, in particular the analysis of organic contaminants in soil and water and the study of the fate, behaviour and transport of organic contaminants in agricultural environments. Ms Oliver is the author of: 24 peer-reviewed journal papers, 3 book chapters, 22 conference papers, 30 reports, including consultancies. She has 223 career citations with 3 papers exceeding 20 citations each.	Organic chemistry analytical techniques for soil and water samples, Management practices to minimise off-site transport of pesticides into waterways, Soil chemistry and risk assessment of organic pollutants, Contaminated land/soil/sites (assessment, management, amelioration).	08 8303 8434	danni.oliver@csiro.au
Rengasamy	Pichu	Dr	2012	CPSS	PhD	University of Adelaide, School of Agriculture, Food & Wine	SA		Soil sodicity, soil chemistry, colloids, soil dispersion, soil management and conservation	08 8303 7418	pichu.rengasamy@adelaide.edu.au
Salt	Melissa	Dr	2002	CPSS	PhD Engng	Tonkin Consulting	SA		Soil management and conservation, Hydrology and wastewater management, Soil survey and classification, Mine-site and land fill capping and landscape revegetation, Site surveys, mapping, Assessment, management, amelioration of contaminated land/soils/sites, acid sulfate soils; Effluent disposal by land irrigation	0417 218 087	pmbbts@bigpond.com

Shrivastava	Prashant	Dr	2010	CPSS	PhD (Soil Science), MSc, MScAg(Soil Sci)	University of South Australia, CRC CARE	SA	Dr Prashant Shrivastava is currently working as Programme Coordinator at the CRC CARE, based at the University of South Australia, Adelaide. His main role is to oversee the CRC's petroleum programme, which draws together industry, environmental practitioners, regulatory authorities and scientific researchers from across Australia. He has experience working in both academia and the environmental industry. Prior to joining CRC CARE, Prashant worked as an Environmental Scientist in Sydney, engaged on a variety of projects on contamination assessment and remediation of soil and groundwater. As a researcher, he has worked on a number of research projects in India, Australia and the USA. He worked as a Senior Research Fellow at the GBP University of Agriculture and Technology, Pantnagar (India), and as a Post-doctoral Associate at the Savannah River Ecology Laboratory of the University of Georgia (USA). His research interests include biogeochemistry of trace elements and plant nutrients in soils, molecular environmental sciences, and soil fertility & plant nutrition. He was instrumental in organising the 3rd ANZ soils conference SuperSoil 04 in Sydney in 2004. He has also played key role in organising 3rd International Contaminated Site Remediation Conference CleanUp 09 and 5th International Workshop on Chemical Bioavailability held in September 2009 in Adelaide. Prashant also co-convened two symposia (Heavy metal contaminated soils and Risk assessment and risk based remediation) at the 19th World Congress of Soil	Biogeochemistry of plant nutrients and trace elements in soils, molecular environmental sciences, Assessment and remediation of contaminated soils, Soil fertility and plant nutrition	0422 176 366	Prashant.Srivastava@crccare.com
Wissell	Craig	Mr	2002	CPSS	MAGBus	Team Wiss Pty Ltd	SA	Craig Wissell is a agribusiness and agronomic consultant with Team-Wiss Pty Ltd in South Australia.	Soil management and conservation, Applied research, Training, advice & consultation services, Rural property planning, land capability classification, Site surveys, mapping, Pedology and soil classification. GIS	0428 894 419	teamwiss@yp-connect.net