

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
Bannan	Christian	Mr	2017	CPSS	BAg(Hons), Adv Dipl Agr	South East Soil and Water	VIC	Passionate about soils & practical options for soil management based on field evidence and science.	Environmental and agricultural science	0439 341 265	christian@sesw.com.au
Barlow	Kirsten	Dr	2007	CPSS	PhD	Department of Primary Industries Victoria	VIC		Hydrology and wastewater management, Soil fertility, Soil pollutants (assessment, management & amelioration), Soil chemistry, Soil physics (water and mechanics), Contaminant hydrology	0418 398 166	kirsten.barlow@dpi.vic.gov.au
Botta	Catherine	Mrs	2009	CPSS	MAG(Soil Man Cons)		VIC	Catherine Botta is a private consultant based at Benalla in Victoria.	Soil organic matter, Communication of basic soil science concepts, Soil acidity, Soil salinity, Training advice and consultation services, Soil management and conservation		cbotta@bigpond.com
Butterly	Clayton	Dr	2016	CPSS	PhD Soil Sc, BSc(Hons)	LaTrobe University, Department of Agricultural Sciences	VIC	Dr Butterly is an early career researcher with a doctorate in soil ecology and nutrient cycling. Strong background in Australian farming systems with research experience in field and laboratory studies. Presented research at four international and seven national conferences and over 20 research papers in miscellaneous publications. Recently chosen to participate in the 2009 Australian Academy of Science â€™Theo Murphy High Flyers Think Tankâ€™™. Excellent organisational skills, an ability to manage and prioritise tasks and work efficiently and effectively within dynamic research teams.	Soil ecology, Nutrient cycling, research and teaching	03 9479 2426	C.Butterly@latrobe.edu.au
Clark	Gary	Dr		CPSS	PhD Soil Sc	LaTrobe University	VIC		Soil Science Education and Training	0417 132 078	g.clark@latrobe.edu.au
Eggleston	Grant	Mr		CPSS		ADE Consulting Group (VIC) Pty	VIC				
Grover	Samantha	Dr	2016	CPSS	PhD Soil Science, BSc(Hons), BSc Chem, BA	LaTrobe University, AgriBioScien ce	VIC	Greenhouse gas emissions from organic soils	Soil microbiology, Education and communication of soils	0458 197 540	s.grover@latrobe.edu.au
Imhof	Mark	Mr	2008	CPSS	BAppISc(Nat Res)	Dept. Env & Primary Industries, Agriculture Group	VIC	Mark Imhof is the research manager-soil sciences in the future farming systems research division of the Victorian Department of Primary Industries	Victorian Resources Online, Soil classification and survey		mark.imhof@depi.vic.gov.au
Islam	Arshad	Dr	2011	CPSS	PhD (Soil chemistry, microbiolog y fertility), MSc, BScAg(Hons)	Southern Cross Soil Testing	VIC	Dr Arshad Islam established Southern Cross Soil Testing.	Extensive experience in soil nitrogen (N) transformations, Strong laboratory analytical, computer and statistical skills, Experienced in literature reviews	0413 262 942	enquiries.soiltesting@gmail.com

Kaur	Navjot	Mrs	2016	CPSS	MSc(Agron), BScAg	AECOM	VIC	I am an environmental professional with > 10 y experience working with natural resources, including 3 y in analytical and physical testing of soils and groundwater and 7 y conducting environmental management works on oil & gas, mining, commercial and industrial sites.	Contaminated sites assessment and remediation comprising planning, design and management of remedial programs, human health and environment risk mitigation; EIAs including soil and land classification, Identification and management of acid sulfate soils, sediment and erosion control design and implementation; Environmental compliance including EMP-development and implementation, environment approvals/ license documents; Project management, contractor administration, invoicing and supervision of junior staff and contractors; Water and waste management; Health and	0404 007 392	navjot.kaur@aecom.com
Marriott	Glenn	Mr	2008	CPSS	BAGSc(Hons)	Ag- Challenge Consulting Pty Ltd	VIC		Soil classification, Land capability assessment for On-site wastewater management, Interpretation of soil chemical data for agricultural and environmental outcomes, Soil permeability measurement, Report writing, Soil monitoring for recycled water irrigation	03 5623 4788	glenn@ag-challenge.com.au
Massie	John	Mr	2017	CPSS	BSc(Hons) Soil Science	Edge Group Pty Ltd	VIC	John has >17 y experience in the diagnosis and remediation of contaminated land. Project work has included both preliminary and detailed site investigations, quantitative health and ecological risk assessment as well as remediation of hydrocarbon, metal and pesticide contaminated soils. He gained valuable experience in many large-scale investigation and remediation projects on a variety of sites with complex legacies of historic contamination including those used for the production and refining of petroleum hydrocarbons (most notably Shellhaven in Essex, UK), retail petroleum sites, manufactured gas plants (MGPs), Ministry of Defence (MOD) facilities (organic, inorganic, radiological and explosive/chemical ordnance), mining facilities, landfill, power generation and transport facilities. He also has experience in a wide range of analytical methods commonly used for the analysis of ecological materials that he gained during his time as a postgraduate research assistant at the Macaulay Land Use Research Institute (MLURI), Aberdeen, UK and the University of Aberdeen, UK.	Contaminated land assessment and remediation, organic and inorganic soil contamination	0437 198 628	johnm@edgegroup.net.au

McDonald	Declan	Mr	2015	CPSS	Grad Cert (Climate Change), MSustainAg, Grad Cert (Leisure Man), BSc (Urban Hort), A/Dipl Hort (Nursery Man)	SESL Australia	VIC	Declan McDonald is a soil specialist with > 25 y experience in soil and compost management in public and private employment. He has worked in Victoria, Tasmania and NSW, servicing the amenity horticulture, nursery management and agricultural production industries. Declan takes a strong problem-solving approach to soil management with a view to identifying the principal constraints to production / growth and developing a management approach to suit the budgets and needs of clients. He has been involved in peer and technical reviews for the Victorian EPA and industry bodies on issues as diverse as compost works approvals and optimum sand specifications for racing tracks. Declan is passionate about improving understanding and management of soils to improve sustainable outcomes for this precious resource.	Sustainable soil management, Compost manufacture and use, Organise amendment of soils, Soil C and climate change, Acid sulphate soils, Dispersive soils.	0407 871 391	Declan@sesl.com.au
McMaster	Jamie	Mr	2002	CPSS-AusSS	MAG, BApplSciAg	Outsourced Environmental	VIC	Jamie McMaster is the Managing Director and Principal Environmental Consultant with MAC Global Pty Ltd. He specialises with biodiversity and sustainability research, sustainability footprint development, environmental management systems, agricultural, horticultural and irrigation consulting, training systems and sustainable business IT and multi media.	Soil management and conservation, Training, advice & consultation services, Soil survey and classification, Soil fertility, Soil testing and nutrient management, fertiliser advice, Plant nutrition (crops, pasture, horticulture, forestry), Assessment, management and amelioration of soil pollutants and contaminated land and soil; Soil surveys for irrigation and land-use planning	0407 317 288	jamie.mcmaster@outsourcedenvironmental.com.au
Mikkonen	Hannah	Mrs	2011	CPSS	BEnvSc(Hons)	Golder Associates	VIC	Senior Environmental Scientist	Metals and fluoride in soils and subsoils, background concentration of heavy metals in soils, Contaminated soils, Acid-sulphate soils	0417 119 609	hannah.georgina.mikko@gmail.com
Moodley	Magandaran	Dr	2016	CPSS	PhD Soil Science, MSc Soil Science, BSc(Hons), BSc	Contact Mags Moodley	VIC	Dr Moodley is a Professional Soil Physicist, and Land Use Hydrologist.	Soil water management, Land use hydrology, irrigation scheduling and environmental monitoring	0407 082 243	magsmoodley1@gmail.com
Nash	David	Dr	2002	CPSS	PhD Soil Chemistry	Soil and Allied Services Pty Ltd	VIC		Hydrology and wastewater management, Basic research expertise, Soil chemistry and fertility, Soil pollutants (assessment, management and amelioration), Effluent disposal by land irrigation, Soil physics (soil water, soil mechanics)	0408 515 145	soilandalliedservices@gmail.com

Ockenden	Peter	Mr	2014	CPSS	Cert IV Training and Assessment, Dipl Frontline Man, Dipl Geosci, Dipl.Ag.Sci	Peter Ockenden Consulting	VIC	Peter Ockenden is an experienced project manager with a passion to protect the environment and has an affinity for working with people to help them understand the need to integrate natural resource management issues into everyday planning and community development and an extensive understanding of the working of Government in the area of natural resource management. His experiences aim to bring NRM and productivity concerns together, as they are interrelated. Peter offers considerable technical and program management experience in soil and water conservation. He has a detailed knowledge of landcare in Victoria; a strong technical understanding of surface and groundwater processes as they impact on regional assets, a broad understanding of land use practices and a natural ability to introduce new ideas and to communicate effectively with stakeholders.	NRM project management, Landcare, Land-use management, soil and water conservation	0408 313 979	ockenden.peter@gmail.com
Rees	David	Mr	2009	CPSS		Department of Primary Industries, Future Farming Systems Research Division	VIC	David has 40 y experience in soil and land description in Victoria including land capability assessment. David's current interests lie in soil classification (esp. links between the Australian (ASC) and FAO/International (WRB) classifications). He has expertise in pedology and geomorphology and leads the Victorian Geomorphological Reference Group (VGRG), which debates and develops a geomorphological framework for land systems and ultimately regolith and soils. He is particularly keen to capture the corporate memory vital in a changing workplace where new techniques and modelling are being developed, but which need reality-checking. Data mining and quality control of soil data on a spatial basis is also an interest.	Soil classification, pedology, land capability assessment, soil classification, geomorphology	0437 561 080	David.Rees@depi.vic.gov.au
Reichman	Suzanne	Dr	2017	CPSS	PhD, B Land Res Sci(Hons)	RMIT University, School of Engineering	VIC	Areas of research expertise include: Biogeochemistry of heavy metals and trace elements in the terrestrial environment. Soil contamination and remediation, mine-site rehabilitation, use of wastes as soil conditioners, phytoremediation and phytomining. Toxicity, bioavailability and rhizosphere processes in soil-plant systems and the potential for food-chain transfer of toxicants. Soil chemistry and plant nutrition. Research funding obtained from: Australian Research Council, HazWaste Fund, Brian Mason Scientific & Technical Trust, HASYLAB, Industry collaborators.	Soil bioremediation, phytoremediation, soil biology, soil chemistry, contaminated soils	0439 575 661	suzie.reichman@rmit.edu.au

Scheffe	Cassandra	Dr	2007	CPSS	PhD Soil Science	Scheffe Consulting	VIC		Basic research expertise, Soil management and conservation, Applied research expertise, Soil chemistry, Assessment, management and amelioration of soil acidity, salinity and sodicity; Soil C and climate change (C-sequestration in soils)	0419 238 798	cassandra.scheffe@dpi.vic.gov.au
Tucker	Robyn	Ms	2002	CPSS		Livestock Environmental and Planning (LEAP)	VIC	Robyn Tucker is Principal Consultant of Livestock Environmental and Planning (LEAP) in Horsham, Victoria. Robyn specialises in environmental management, code and guideline development and R&D in the intensive livestock sector. She has prepared numerous planning permit applications, environmental impact studies, environmental management plans, and effluent and manure re-use plans for piggery, beef and lamb feedlots, intensive dairies, poultry farms and composting facilities. Robyn is an author of the National Environmental Guidelines for Piggeries, National Environmental Guidelines for Rotational Outdoor Piggeries, Guidelines for Victorian Dairy Feedpads and Freestalls, Environmental Guidelines for the Australian Egg Industry, Beef Cattle Feedlots: Waste Management and Utilisation, Piggery Manure and Effluent Management & Reuse Guidelines and a broad range of booklets and tech-notes on related topics. She has worked on a range of intensive livestock environmental research projects to develop indicators of environmental sustainability, examine the relationship between feedlot manure management and pathogen transfer, developing NRM indicators for red meat supply chain LCAs, investigate nutrient extraction from piggery spent bedding and pond sludge, and estimate the quantities of nutrients in various organic waste streams nationally and mapping the location of these nutrients as part of a wastes to fertilisers project. Previous positions for Robyn include Principal Consultant with FSA Consulting (Toowoomba and Horsham 1994-2014) and Beef Feedlot Officer,	Hydrology and wastewater management, Training, advice & consultation services, Effluent disposal by land irrigation, Wastewater (treatment and management on site)	0419 787 137	robyn@leap-consulting.com.au
Van de Graaff	Robert	Dr	2002	CPSS	PhD		VIC		Soil physics, contaminated land remediation, soil management, contaminated land rehabilitation	0438 456 601	vdg.robert@vandegraaff-soilshorizons.com.au
Wallis	Christian	Mr	2005	CPSS-CSAM		CDM Smith	VIC		Soil management and conservation, Hydrology and wastewater management, Assessment, management and amelioration of contaminated land/soils/sites, acid sulfate soils, wind and water erosion, soil acidity, salinity and sodicity; Rural property planning, land capability classification; Effluent disposal by land irrigation	0414 969 833	wallisc@cdsmith.com

White	Larry	Mr	1997	CPSS	BScAg	Paladin-White Pty Ltd	VIC	Larry has >35years experience in both government and private sectors carrying out soil and land resource assessment, effluent irrigation, environmental management planning, soil sampling, policy preparation and training in south eastern Australia and NT. He runs a consultancy based in Central Victoria. His work attempts to identify the characteristics impacting on a proposed program and subsequently to development a management approach that addresses the identified inherent key constraining soil profile and environmental characteristics. He has specialist expertise in Land Capability Assessment and has used this approach to be the principal investigator in > 250 land management proposals for individuals, developers, Councils and Water Authorities where programs of residential development, horticulture and agriculture were proposed. He has been involved in Policy review for the Victorian EPA in domestic wastewater and has prepared evidence and acted as Expert Witness at the Victorian Civil and Administrative Tribunal (VCAT). He has been a member of the CPSS accreditatio board and strongly supports the promotion of soil science and soil conservation to understand the potential consequence of various development programs and the management that is necessary to move forward in a practicable sustainable manner.	Hydrology and wastewater management (on-site), Soil management and conservation, Soil survey and classification for irrigation and land-use planning, Rural property planning, land capability classification, Urban property planning/development, Effluent disposal by land irrigation, Soil conservation & land rehabilitation (legislation, guidelines)	0419 189 879	larryw@bendigo.net.au
White	Robert E.	Emeritis Professor	1997	CPSS	BAgrSc, MA, DPhil	Melbourne School of Land and Environment	VIC	Expert adviser and consultant to government agencies and private industry on soil science capability; soil health in viticulture; healthy soils for sustainable farming; land and biodiversity; water, salinity and nutrient management. Co-editor of Soil Science, a World Reference Collection of seminal papers in soil science; author of Principles and Practice of Soil Science (4th edition) and author of Soils for Fine Wines (2003) and Understanding Vineyard Soils (2009). Honorary Life Member of Soil Science Australia and Honorary Member of the International Union of Soil Sciences	Soil and viticulture, Nutrient deficiencies, fertilizers, mulches and manures, Management of soil fertility, Management of soil water, Leaching of nutrients and contaminants, Managing soil acidity	0417 583 342	robertew@unimelb.edu.au

Wong	Vanessa	Dr	2015	CPSS	PhD Soil Science, BScEnv(Hons)	Monash University, School of Earth, Atmosphere and Environment	VIC	<p>Dr Vanessa Wong is involved in research exploring the spatial and temporal interactions between soils, sediments and water at a range of scales. Vanessa is interested in the role of soil-surface water-shallow groundwater processes ranging from the micron scale to the landscape scale in landscape function. Research is being carried out to understand how these biogeochemical processes occur in a range of environments. This has allowed Dr Wong to work closely with industry, government organisations (local, state and federal) and catchment management authorities to develop and apply findings from her research to improve land and water management strategies.</p> <p>Specific areas include:</p> <ul style="list-style-type: none"> Assessing the effects of land degradation processes like increasing salinity, sodicity and acidity Remediation of degraded environments Soil organic carbon dynamics Assessing acid sulfate soil environments Understanding the interactions between the hydrology, geomorphology, and soil and water biogeochemistry Determining the effects of waste application on agricultural land Developing new techniques for rapidly mapping soil and shallow groundwater properties in coastal floodplain environments Examining how climate change and climate variability influences the above processes 	Land degradation processes (salinity, sodicity and acidity), Remediation of degraded environments, Soil organic carbon dynamics, Acid sulfate soil environments, Understanding the interactions between the hydrology, geomorphology, and soil and water biogeochemistry, Determining the effects of waste application on agricultural land	03 9905 2930	vanessa.wong@monash.edu
------	---------	----	------	------	--------------------------------	--	-----	---	---	--------------	-------------------------