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[2025 winner-Agrifutures Victorian Rural Women's Award and National finalist](#)

[2024 Cardinia Shire Senior Citizen of the Year for work in soil health, environment, education and farmer wellbeing](#)

[2021 Holt Australia Day Award for community Service](#)



Ag Institute Australia Accredited Chartered Agriculturalist (CAg)

Honorary Accreditation Award - Member institute of Ecological Agriculture

PhD in plant pathology

PROFILE

- Highly engaged in environmental issues affecting soil health & regenerative agriculture around the world.
- Demonstrated ability to develop goals, objectives & implement strategies through experience in research & teaching.

ACADEMIC QUALIFICATIONS

PhD in plant pathology, Monash University, Clayton campus.

Doctoral Thesis: An investigation of the taxonomy and distribution of *Stagonospora meliloti* and *Acrocalymma medicaginis*, fungi implicated in red-crown rot of Lucerne, *Medicago sativa* L.

Cert IV in Assessment & Training with upgrade

Cert. of Attendance AIA Ethics masterclass Advanced: The Emerging Ethics in Australian Agriculture -2020

Masterclass for Cert IV Assessment & Training – Assess Competence -TAEASS402 -2021

Masterclass - Virtual Training – ABC of CBA – essentials of Assessment - 2021

AWARDS:

2025: Agrifutures Victorian Rural Women's Award winner and National finalist.

2024: Cardinia Shire Senior Citizen of the Year for work with farmers, environment, soil health and education.

2021: Holt Australia Day Award for community engagement.

2015-2016: Selected as a Worldwide Branding Professional of the year in Agriculture.

"Our EPE distinction is reserved for members who demonstrate exemplary Leadership skills and unwavering dedication to their profession".

RECENTS INVOLVEMENTS:

2025: Appointed to editorial board of Agri Science Journal of Sustainable Agriculture and Agroecology

2025: Appointed member of FIHO (Federation of International hemp organisations) soil health committee

2024: Appointed Board member of CORE – Centre for Organic Research and Education.

2023: Board member of Industrial Hemp NSW

2022 Board member of the Australian Industrial Hemp Alliance

2021 member of Sub-committee for education of girls in Timor-Leste as part of friends of Emera organisation.

2018-2021 Vice-chair of Healesville to Phillip Island Nature Link

2019-2021 Member of regenerative agriculture sub-committee of the Australian Industrial Hemp Alliance.

2021 Donor to Food bank, Victoria

2020-2024 Donor to Castlemaine Arts festival; sponsor of emerging indigenous performers.

Extra information see attached pages with summaries for 2021-2024, 2025, 2026.

- 1998** PhD Monash University (funded by grant from RIRDC - carried out with SARDI & UCLA, Davis, USA).
- 1984** BSc, Gippsland Institute of Advanced Education/Monash University.
- 1964** Dipl Ag Science, University of Technology, Brisbane, QLD.
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EMPLOYMENT

2017 – continuing 4Upskilling P/L, RTO; Presenter of Certs 11, 111& IV in Composting.

2014 – continuing Goulburn Ovens Institute of , TAFE; presenter in Cert& Dipl, Dipl. of Wine Technology; Dipl of Viticulture.

1980 to present Director and Principal Scientist for Agpath P/l employing 2 scientific staff.

2021 -continuing Training and consulting to farmers in Zambia and Malawi. Assisting them to embrace the biological farming practices to minimise synthetic chemicals in their farming systems and to teach them how to use a microscope to assess soil biota for soil quality.

2017 – 2023 Honorary Senior fellow, Faculty of Veterinary & Agricultural science, University of Melbourne, Parkville, Victoria.

2017 – continuing Training international graduates in agricultural engineering in all aspects of biological farming, compost making, compost tea making, soil microbiology leading to soil health by minimising use of chemical salts in agricultural farming systems around the world.

February: Ms Mariam Abouleish, SEKEM Biodynamic Farms, Egypt.

March: Ms Viktoria Stephanova, Ukraine.

(See www.agpath.com.au for testimonials.)

Sept 2022- March 2023: Penny Glupas – New Zealand viticulturist.

2016 Non-executive Director of Poppy GenetiX P/L, in association with Agpath P/L., Federation University, Churchill, Victoria, and Latrobe Region Agricultural Development in establishing the first planting and processing of medicinal poppies of two varieties in Australia.

2016 Assisting Fijian farmers, agricultural students and council employees in improving soil health to improve productivity of export crops while teaching them how to use available resources in recycling of the commercial waste stream for soil amendment.

Involved in agricultural research and consulting; training of science students from federation University Gippsland campus through Industry Placement Programme; Australian Soil Food Web Laboratory involved in organic and biodynamic agriculture; training farmers in use of organic and biodynamic principles through workshops and seminars; mentoring of agricultural graduates from La Trobe and University of Melbourne.

2016 to present Expert witness reports active in Supreme Court of NSW and Supreme Court of Victoria

Quality Control validation of biological products for export, sale within Australia and for APVMA registration.

General agricultural consulting and pathogen identification.

2009 to present Goulburn Ovens Institute of TAFE, Wangaratta. Diploma of Viticulture; Diploma of Wine Technology.

2017 continuing 4UpSkilling P/L – Training for your Future Industry Guest Lecturer for Certificate in Cert IV Agriculture - composting

2009 – 2012 Part-time senior lecturer in Faculty of Medicine, Monash University, Clayton.

Senior Lecturer, Graduate School of Land & Environment, The University of Melbourne, Parkville campus, lecturing in Grad Diploma of Wine Technology & Viticulture and Master of Wine Technology & Viticulture.

Achievements: *Academic staff member assisting in developing and presenting Master of Wine Technology & Viticulture to be launched October 2007.*

2006-2009 Development, design and writing to print-ready flexible delivery course modules for subjects in NMIT new tertiary degree programme.

1999-2005 Foundation Director of the Centre for Wine, Food & Agribusiness. Course Director of a new Master of Wine Technology & Marketing in association with The University of Melbourne.

Achievements: Introduced wine education to Monash University.

- Introduced a new method of flexible delivery teaching to Faculty of Business & Economics.
- Chaired/edited the writing of 24 undergraduate subjects and 12 postgraduate subjects in flexible delivery mode in 2.5 years with staff from 2 universities and across 3 Monash departments.
- Designed livery for flexible delivery material for the Bachelor & Masters programme.
- Developed cross-accreditation between Monash Centre for Wine, Food & Agribusiness and Bordeaux Business School, France.
- Dean's representative on Faculty Promotion's Board
- Foundation member of Monash mentoring programme for young women academics.
- Established successful Wine Business breakfasts at Federation Square for city corporate managers – national and international speakers – ran monthly - launched by Hon. John Brumby and attended by Lord Mayor John So.

1994-1999 Invited to join staff as lecturer/senior lecturer in viticulture at Charles Sturt University.

Achievements: - *Wrote in flexible delivery subjects for new third year level of Bachelor of Viticulture.*

- Member Faculty Board – 2 years
- Honours Programme Coordinator – 2 years.

1972-1999 Research assistant/tutor in Department of Botany. Lectured in fungal taxonomy, plant pathology.

Achievements: - *Developed new lecturing method for teaching in plant pathology.*

1971-1972 Microbiologist – Allied Mills P/L, Melbourne – Patent Development & new product research.

1970-1971 Microbiologist – Campbells (Australia) P/L, Shepparton – new product development.

1964-1970 studying & working – microbiologist/chemist – Sugar Industry Surveillance - Dept of Agriculture, Qld.

Commercial Research – Agpath P/L

Most of the research carried out by Cr Mary Cole and Agpath is commercial-in-confidence and cannot be revealed. No papers result in the public domain.

1990 -1994 Research while at Charles Sturt University. \$2.732 million

Director and Principal Scientist of Agpath P/L – currently \$2.7320 million in research and consulting including Federal Government Syndicated Research grant. Product was developed successfully.

Research for product registration for biology product for the AWRI Registered Chemicals Book.

Agpath P/L research

- 2022-2024 Sustainability Victoria – Recycling Victoria Research & Development fund – Organics - C-12300 Quantifying Mineralisation and Biological Status from Organic Amendments and Soil. \$701,440.
- 2019-2021 Southern Gippsland Landcare Network — consulting researcher for project “Enhancing Soil Biology”, funded from federal Landcare grant money. \$23,000
- 2004-2010: Research funding from Sustainable Practices Grants with Landcare Cardinia – Healthy soils, Stock & Pasture - \$97000.00.
- 2010-to present: Significant funding from commercial companies for testing products in statistically validated research trials.
- 2011 - 2012 – potato industry grant with Ian Smith, Tasmania, to investigate biological farming practices in potato industry as alternative to conventional farming practices. \$20,000
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University Research

- 1999 - 2006 – GWRDC – 7 x 3 year grants Total \$1.027 million
- 1999 – 2005– GVRWGIDC Total \$59,200.00
- 1999 - 2005 - Faculty grants Total \$40,250.00
- See details below:
- 1) 2005-2008: Management of Botrytis and other bunch rots by:
 - a) Identification of other bunch rots fungi producing PPOs
 - b) Clarification of Registered Chemical against non-Botrytis bunch rots identified as potential bunch rot pathogens.
 - 2) 2003-2004: A survey of variation in strains of Botrytis from budburst to harvest in vineyards and surrounding vegetation in selected wine regions. GVRWGIDC RITA. \$45,000.
 - 3) 2002-2004: Barriers to Adoption of Innovation. GWRDC \$5000.
 - 4) 2002-2003: Management of Botrytis in Alpine conditions. GWRDC RITA \$2500
 - 5) 2002-2004: Implementation of management practices to define best practice for Botrytis management. (GVRWGIDC) Greater Victorian Regional Wine Grape Growers Industry Development Cooperation+ GWRDC (RITA) Regional Innovation & Technology Adoption. \$56,200.
 - 6) 2002-2003: Isolation and identification of strains of Botrytis from organic vineyards. Is there something to learn for conventional vineyards? Faculty of Bus Eco. \$14,000.
 - 7) 2002-2003: Salary for administrator to manage grants. Faculty of Bus Eco. \$16,000.
 - 8) 2001-2005: An investigation of the role of endogenous and exogenous bacteria in grapevine propagation and development (GWRDC) \$101,102
 - 9) 2001-2007: Managing trunk vine trunk diseases that threaten the sustainability of Australian viticulture (Part of \$3.4million – 7 year project with Vict DPI, U of Adelaide, SA DPI, Monash) GWRDC-(CRCV) Cooperative Research Centre for Viticulture \$95,044
 - 10) 2001-2007: Ensuring optimal wine quality through management for Botrytis cinerea (GWRDC)
 - 11) 2001-2002: A survey of variation in strains of Botrytis from budburst to harvest in vineyards and surrounding vegetation in selected wine regions. (GVRWGIDC) Greater Victorian Regional Wine Grape Growers Industry Development Cooperation. \$14,440
 - 12) 2001-2002: Identification of Streptomyces sp in potatoes. Fac of Sc, Monash. \$4000.
 - 13) 1999 – 2001: Investigation and understanding of mating strains and latent phase of Botrytis cinerea in Australian vineyards and their role in disease variation. (GWRDC) Grape & Wine Research & Development Corporation. \$147,403
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Publications

Major project was commercial-in-confidence and cannot be reported.

Books, DVDs, Book Chapters, Technical papers, major Technical Reports, Conference Posters, Public Lectures, Workshop lectures.

Books/Book Chapters:

Cole, M & Cavallo, R 2024 submitted chapter Ch9 The role of Mycorrhizal fungi in Organic Farming In Recent ADVANCES IN Organic farming, ed

Cole, M & Cavallo, R 2024 submitted chapter C12 Soil Organic matter stability/lability in Organic Farming Systems, In In Recent Advances in Organic farming, ed Awasthi, LP, Publ NOVA scientific publications

Cole, M., Whiting, J & Braybrook, D. 2004: Botrytis Best Practice Protocols. Monash & Five Mile Press.

Cole, M. 1996. Microbial contaminants and aseptic techniques in plant tissue culture: In: Tissue culture of Australian native plants Eds Acram Taji and Richard Williams. University of New England Press, Armidale, NSW.

Cole, M. Fuhrer, B., & Holland, A A. 1984: Revised edition. A field guide to the common genera of gilled fungi in Australia: Mushrooms and Toadstools. Inkata Press, Melbourne

Cole, M. Fuhrer, B., & Holland, A A. 1978: A field guide to the common genera of gilled fungi in Australia: Mushrooms and Toadstools. Inkata Press, Melbourne

Papers:

Brodie, G., Michelle Grix, Eloise Hollins, Andrew Cooper, Tianyao Li, & Mary Cole. 2015. Assessing the Impact of Microwave Treatment on Soil Microbial Populations. Global Jnl of Agricultural innovation, Research & Development, 2 (1) pp25-32.

Viret, O., Keller, M., Jaudzems, VG, Cole, MF. 2004: Botrytis cinerea infection of grape flowers: light and electron microscopical studies of infection sites. Phytopathology 94: 850-857.

Keller, M., Viret, O., Cole, M. 2003: Botrytis cinerea in grape flowers: defence reaction, latency and disease expression. Phytopathology 93: 316-322.

Garrett, M H., Hooper, B., Panter, C., Cole, M, Hooper, M. 199: 7 Airborne fungal spores in 80 homes in the LaTrobe Valley, Victoria: levels, seasonality and indoor-outdoor relationship. Aerobiologia. 13: 121 - 126.

Cole, M. 1994: Mushroom poisoning in Victoria. A case of mistaken identity. Mycologist 7(1): 32 - 34.

Cole, M. 1993: A puppy death and Amanita phalloides. Vet. J. Aust. 70(7): 27 – 28.

Cole, M. 1993: Amanita phalloides in Victoria. Med. J. Aust. 158: 849 – 85

Cole, M, Hallam, N D, & Keage, P L. 1992: The effect of Bacterial Ice Nucleated Manufactured Snow on the Soil and Water Microflora and Vegetation of Falls Creek, Victoria. Vic. J. Aust. Biotech. 2(3):109 - 111.

Papers/Reports:

Cole, M 2021: Can hemp Growing in Australia have a Biological Future? AIA newsletter.

Cole, M 2020: What mushrooms are edible? Tooradin monthly newsletter.

Cole, M 2007: Management of Botrytis. Australian & New Zealand Grapegrower & Winemaker

Cole, M 2006: Botrytis –a successful pathogen. Technical Edition 2006 Australian & New Zealand Grapegrower & Winemaker

Waite, H & Cole, M 2005: 'Hot water treatment: cooling the confusion'. Australian & New Zealand Grapegrower & Winemaker April 2005 pp 34-36

Waite, H & Cole, M. 2004: 'Recent advances in grapevine propagation research'. Technical Edition 2004 Australian & New Zealand Grapegrower & Winemaker

Cole, M. 2004: Botrytis and its place in the vineyard. Part 2: Distribution of Botrytis in the vineyard. Australian & New Zealand Grapegrower & Winemaker 482:15-18.

- Cole, M. 2003: Botrytis and its place in the vineyard. Part 1: History'. Australian & New Zealand Grapegrower & Winemaker 480: 22-24. National Grapegrowers magazine
- Waite, H & Cole, M. 2003: 'Are bacteria involved in grapevine trunk diseases?'
- Cole, M. 1999: Botrytis cinerea: - A fungi that can have a major impact. Australian Viticulture 3(3): 9-12.
- Cole, M. 1997: 'Amanita phalloides in Victoria. Victorian GP The Newsletter of the Royal College of General Practitioners.
- Cole, M & Todd, B. 1995: Noble rot and grey rot- a fungus and wine. Australian Science 17(1): 49 - 51.
- Cole, M. 1994: Travel Grant Report. Proceedings of Grasslands Society of Victoria. 35th Annual Conference and Trade Supply, p 187 - 190.

Electronic publications: including webinars, etc

- Cole, M 2021: AIHAs webinar on Regenerative Agriculture
- Cole, M 2020: webinar Biological farming and land management
- Cole, M 2019: Smartsoil Ground Cover/ farming the Soil
- Cole, M. 2006: AVI –Australian Viticulture Investigator. Future Solutions, Adelaide
- Cole, M. 2001: BugMatch -CD-ROM - Viticulture Diseases and Pests. Edition 2. CRCV Technologies
- Cole, M. 1998: BugMatch -CD-ROM - Viticulture Diseases and Pests CRCV Technologies.

Technical Papers:

- Cole, M., and Hallam, N. 2000: The effect of artificial snow making in the alpine vegetation of Kosciusko National Park and Perisher Valley, NSW.' Technical Report to the Alpine Resorts Commission, NSW, January.
- Cole, M & Hallam, N D. 1992: 'Snomax and its influence on the Kosciusko alpine environment.' Confidential report to the Australian Alpine Ski Areas Association.
- Cole, M. 1992: 'Snomax.' Confidential report to Genencor International, USA, producer of Snomax.

Conference papers/posters:

- Cole, M 2023. Keynote paper. Advancing Australian Hemp with Regenerative Agriculture. 3rd Global Industrial Hemp Conference, University of Melbourne, Victoria, Australia.
- Cole, M 2021. Compost Tea to manage Broad Leaf Weedy species in Agricultural Systems: A case study. Joint SSA, NZSSS & ASPAC Conference 2021, Cairns June27 to July 2. 2021
- Palacios, J, Cole, M. Control of the Lettuce Anthracnose using Trichoderma and their secondary metabolites (SM). Joint SSA, NZSSS & ASPAC Conference 2021, Cairns June27 to July 2. 2021
- Scarlett, N & Cole, M. 2007: Primary Bud Necrosis in Victorian shiraz – update. Wine Industry Technical Conference, Adelaide.
- Waite, H., & Cole, M. 2006: The Effects of Water Borne Microorganisms and Hot Water Treatment on Grapevine Propagation and Development. International Trunk Disease Conference, UCLA, Davis, California September.
- Scarlett, N & Cole, M. 2005: Primary Bud Necrosis in Victorian shiraz. Wine Technical Conference, Adelaide.
- Wiechel, T & Cole, M. 2003: The occurrence of Botrytis cinerea subspecies, transposa and vacuina in Australian vineyards. International Botrytis Workshop, Christchurch, New Zealand. 1-2 February, p13
- TJ Wiechel, GE Thomson, DC Joyce, MA Warren and FM Cole. 2003: Effect of grapevine nutrition on Botrytis bunch rot. Combio 2003 Melbourne p38-44.
- Cole, M. 2003: Distribution and compatibility of Botrytis cinerea isolates. International Botrytis Workshop, Christchurch, New Zealand. 1-2 February, p12.
- T.J. Wiechel, Cole, M, Whitmore, S. 2003: A survey of Botrytis cinerea from budburst to post harvest in regional vineyards in Victoria. International Botrytis Workshop, Christchurch, New Zealand. 1-2 February, p10.
- M. Cole, Wiechel, T., Whitmore, S. 2003: Phytophthora fungi in Victorian vineyards. International Botrytis Workshop, Christchurch, New Zealand. 1-2 February, p11.

- Viret, O., Pezet, R., Cole, M., and Keller, M. 2001: Latency, disease incidence and localization of *Botrytis cinerea* Pers. during the early stages of bloom infection of grapes. 11th Congress of the Mediterranean Phytopathological Union and 3rd Congress of the Sociedade Portuguesa de Fitopatologia (17-20 Sept, Evora, Portugal (pages not known)
- Waite, H and Cole, M 2001: 'The influence of exogenous and endogenous bacteria in young grapevine decline.' Proceedings of the 13th Biennial Plant Pathology Conference, 24-27th September Cairns, Nth Qld p 213.
- Wiechel T., Shanks, F., Cole, M., and Mcnaughton, D. 2001: 'The potential of RAMAN spectroscopy for early detection of *Eutypa* dieback in grapevines. Porceedings of the 13th Biennial Plant Pathology Conference, 24-27th September, Cairns Nth Qld, P164.
- Wiechel, T.J. and Cole, M. 2001: 'A taxonomic and molecular comparison between *Botrytis cinerea* cultures from leaves and berries of *Vitis vinifera*'. Biennial Plant Pathology Conference, 24-27th September 2001, Cairns, Nth Qld, p 167.
- Jaudzems, G., Clark, J., Cole, M., Thornhill, A, and Hallam, N. 2000: 'The effect of artificial snow making in the alpine vegetation of Kosciusko National Park and Perisher Valley, NSW.' Proceedings of the Conference of Electron Microscopy, Canberra, January.
- Jeavons, T. & Cole, M. 2000: 'Cool climate viticulture education in Australia.' Proceedings of the 5th International Cool Climate Conference for Viticulture and Oenology, Melbourne, January p 72
- Jaudzems, G., Clarke, J., Cole, M & Hallam, N. 2000: 'The effect of artificial snow making on the alpine vegetation of Kosciusko National Park and Perisher Valley, NSW'. MicroZopy, Brisbane, Qld. Pages pp not known.
- Rogiers, S., Cole, M., & Keller, M. 2000: Grape leaf & berry cuticular wax as a function of UV radiation and water availability. 5th International Symposium on Cool Climate Viticulture. Jan 16-20. p 70.
- Keller, M., Viret, O., Pezet, R., & Cole, M. 2000: Flower infection and latency of *Botrytis cinerea* in grape vines. 5th International Symposium on Cool Climate Viticulture. Jan 16-20. p 30.
- Cole, M. 1999: 'Strain variation between *Botrytis* isolates from different hosts.' Proceedings of the 12th Biennial Conference of Australasian Plant Pathology, Canberra, ACT.
- Weichel, T., Cole, M., Ashton, K, Warren, M. & Emmett, R. 1999: 'Molecular variation in isolates of *Botrytis cinerea*'. Proceedings of the 12th Biennial Conference of Australasian Plant Pathology, Canberra, ACT. P 27
- Cole, M., & Horsnell, J, Pascoe, I. 1999: 'Morphological characteristics of *Eutypa lata* from grapes'. Proceedings of the 12th Biennial Conference of Australasian Plant Pathology, Canberra, ACT. P26.
- Cole, M. 1998: Distribution of *Stagonospora meliloti* and *Acrocalymma medicaginis*, pathogens causing red-crown rot in lucerne, *Medicago sativa*, in Australia and California.
- Leeton, P., Cole, M., McLouchlin, S., Taylor, P. & Pascoe, I. 1998. Molecular and morphological characters of Australian isolates of *Eutypa lata*. Proceedings of the 7th International Congress of Plant Pathology, Edinburgh, Scotland pp not available.
- Cole, M. 1997: 'Mushroom poisonings in Australia'. Australian Society of Microbiology Conference and Trade Display, Adelaide, South Australia.
- Leeton, P., Cole, M., McLouchlin, S., Taylor, P & Pascoe, I. 1997: 'Molecular and morphological characters of isolates of *Eutypa lata*'. Proceedings of the 11th Biennial Conference of Australasian Plant Pathology, Perth, West Australia.
- Cole, M. 1995: *Stagonospora meliloti* and *Acrocalymma medicaginis*, fungi causing red-crown rot in lucerne, *Medicago sativa*, Proceedings of the 10th Biennial Conference of Australasian Plant Pathology, Christchurch, New Zealand pp not available.
- Cole, M. 1993: Biological control of *Botrytis* in grapes'. Workshop, Nagambie, Victoria, Nov 30 - Dec 1. p 6.
- Horsnell, J., Cole, M & Kaehne, I. 1993: '*Neocosmospora vasinfecta*, a crown-rot fungus in lucerne, *Medicago sativa*'. Proceedings of the 9th Biennial Conference of Australasian Plant Pathology, Hobart, Tasmania p not available.
- Goodish, D., Godish, T., Hooper, B., Panter, C., Cole, M., Hooper, M. 1993: Airborne mould and bacterial levels in selected houses in the LaTrobe Valley, Victoria. Proceedings of the 6th International Conference for Indoor Air Quality and Climate, Helsinki, Norway. pp not known.
- Horsnell, J., Cole, M & Kaehne, I. 1993: *Neocosmospora vasinfecta*, a crown-rot fungus in lucerne, *Medicago sativa*'. Proceedings of the 6th International Congress of Plant Pathology, Montreal, Canada pp not available.
- Cole, M & Beardall, J. 1993: Red-crown rot in lucerne, *Medicago sativa*, L. Proceedings of the 6th International Congress of Plant Pathology, Montreal, Canada pp not available.
- Cole, M & Beardall, J 1993: Red-crown rot in lucerne, *Medicago sativa*, L. Proceedings of the 9th Biennial Conference of Australasian Plant Pathology, Hobart, Tasmania

International collaborative links:

- 2021 – continuing: Mr Simon Hunt (&Adrienne Hunt) consulting to the Mkushi Farming Block, Mkushi, Zambia
- 2017 – continuing: Mr Richard Escoe, Bio Style Gardens P/L, USA.
- 2016 – continuing: SEKEM Organisation, Egypt. Ms Mariam Abouleish;
- 1998 - 2004: Dr Gustav Holz, Stellenbosch University, South Africa. 'Investigation of the infection process of *Botrytis cinerea*'.
- 1997 - 2000: Drs Olivier Viret and Roger Pezet, Swiss federal Research Station, Chagnin, Switzerland. 'Investigation of the role of endogenous and exogenous cutinase compounds in the infection process of *Botrytis cinerea*'.
- 1997 - 2005: Dr Franco Faretra, University of Bari, Italy. 'Development of the sexual stage of *Botrytis cinerea* in pure culture using known mating strains.'
- 1993 – 2001: Dr Bernadette Dubos, Bordeaux Institute of Vine Research, Villenave, France. Strain variation between Australian and French isolates of *Botrytis cinerea* and *Eutypa lata*.
- 1992 – 1998: Dr Cecile van Bergen-Vlugg, Agricultural University, Wageningen, The Netherlands. Investigation of the role of the sexual stage in field variation seen in *Botrytis cinerea*
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Conference organisation:

- 2005: Conference President and Convenor of Conference. 15th Biennial Congress of Australasian Plant Pathology, Geelong, Victoria 2005. Theme for conference: 'Innovations in Plant Pathology'
- 2004: Workshop Convenor and Chairperson. Wine Technical Conference, Melbourne, August. 'Botrytis and other bunch rots'.
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Student supervision:

PhDs:

- 2016-2020 COMPLETED & PASSED. Jose Valentin Palacios Zevallos. PhD candidate, University of Melbourne, Faculty of Veterinary & Agricultural Sciences, Parkville campus. Principal Supervisor Professor Jim He. Co-supervisor Dr Mary Cole (20%). Project title: Control of Anthracnose in lettuce using secondary metabolites from *Trichoderma* species – fungi.
- 2003-2007: Radika Iyer, PhD candidate: 'Grape vine disease severity and incidence of *Botrytis cinerea* with respect to nutritional alteration.' Principal Supervisor (75%) Monash University, 20% Professor Daryl Joyce, University of Queensland, Gatton and 5% Dr. Rob Holmes, Department of Primary Industry, Knoxfield. GWRDC Grant and Monash PhD Scholarship.
- 2003- 2005: Steve Martin, PhD candidate: 'Sources of seasonal variation in grape vine yield.' Co-supervisor (10%) between Melbourne University and Monash University.
- 2000-2003: Eve Cotrall, PhD. 'The study of the trunk rotting pathogen, *Phaeoacremonium chlamydosporum*'. Associate-supervision (20%) with Dr. Peter Taylor, The Univ of Melbourne. CRCV Funded PhD. Eve died from cancer aged 23 in 2003.
- 2000-2003: Richard Lardner, PhD. 'Early diagnosis and detection of *Eutypa* dieback of grapevines.' Co-Supervision (25%) with Dr Eileen Scott, Univ of Adelaide. CRCV funded PhD. Richard now has a Post-doc position with Dr Scott funded by GWRDC.
- 1998-2000: T. Wiechel, PhD: 'Gene expression of blackleg in canola' Co-Supervisor (20%) Charles Sturt University, Wagga Wagga.
- 1974-1978: R. J. Sward, PhD. 'Studies in vesicular-arbuscula mycorrhizas'. Associate supervisor (20%) Monash University, Clayton.

Masters:

- 1993-1994: R. Barker, MSc Monash University, Clayton, 'Taxonomy of the vegetable caterpillar fungus, *Cordiceps*'. Associate supervisor (80%)
- 2004: Liam Robinson, B.Sc. 'The role of native mycorrhizae in the vineyard', (50%) Dept. of Geography (Clayton campus) & Wine, Food & Agribusiness, Monash Peninsula campus.
- 2002 Bronwyn Douglas, B Bus (Intern Trade) 'Australian wine marketing into China' (80%) Monash University,

Honours:

- 1997: G. Hoffmann, BSc (Honours), 'Effect of trellising on 1-year-old grape vines.' (100%) Charles Sturt University, Wagga Wagga.
- 1993: J. Avram, BSc (Honours), 'Seasonal distribution of *Botrytis cinerea* spores in Riesling grapes in Whitlands'. (100%) Monash University, Clayton.
- 1990: I. Shaw, BSc (Honours), 'Leaf-tip die-back of orchids.' (100%) Monash University, Clayton.
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Memberships from 1994

Member of Board of Australian Industrial hemp Alliance
Member of Regenerative Agriculture subcommittee of AIHA
Member of Board of iHemp Victoria
Member of Australian Conservation Foundation
Member of Ag Institute Australia, Accreditation Committee
Vice-chair of Healesville to Phillip Island Nature Link.
Member of Global Alliance of International Agricultural Consultants. GAIAC
Committee member Regenerative Farming Subcommittee, Australian Industrial Hemp Association.
Life member of International Who's Who.
Member of Professional Organising Body of the Australian Institute of Ecological Agriculture Coop Ltd.
Member of Extension/Consultancy/Research Group of Australian Institute of Ecological Agriculture Coop Ltd.
Member of Living Legacy Stewards Council. See
www.livinglegacyforest.com
Member of the Australian Institute of Agricultural Science and Technology trading as Ag Institute Australia.
American Phytopathological Society - member
Australasian Plant Pathology Society – member & President of 2005 congress.
Australasian Society of Viticulture and Oenology - member
Great Wine Capitals Global Network – Australian education & research delegate 2003-06
British Mycological Society – member
Australian Institute of Biology - member
Australian Society of Wine Education - member
Mornington Peninsula Vignerons Association – member
The Cooperative research Centre for Viticulture 1 & 2 – member
Mornington & Western Port Biosphere Reserve - Cardinia Shire representative.
Victorian Wine Industry Association – member
Cardinia Environmental Coalition – member
Bunyip Landcare Association – member

Additional information

2022 – newspaper articles in local papers.
2021 – 5 local newspapers – Roman Kulkewycz Hans on for science students – Agpath Laboratories & Dr Mary Cole
2021 – internship, Work Placement programme ASC3WPP - Kathleen Robinson, Bach of Agriculture, La Trobe University – 140 hours
2018-2020 – Cardinia Shire Council – *Phytophthora cinnamomi* survey in land areas within Cardinia Shire.
2019 Cardinia Shire Council – Apply susceptibility to Pc to indigenous plants sold in Cardinia Shire nurseries used by Land care and general public.

1990 to present. Honorary Mycological Consultant to the Victorian Poisons Information Centre out of the Royal Children's Hospital now at Austin Hospital.

Honorary Mycological Consultant to the Australian & New Zealand Animal Poisons Information Centre, Melbourne.
2018 to present.

2016 – invitation to Fiji to run workshops for farmers affected by the 2015- 2016 cyclones on Taveuni and Navini Islands.

2016 – 3 speaking engagements to date; 3 workshops to date and 2 booked; 2 workshops in Fiji and booked for 2017.

2015 – 9 speaking engagements; 2 workshops; 3 speaking engagements booked.

2014 Appointed Chair of the Biosphere Research Committee.

2014 to date – 4x2-day workshops, 5 speaking engagements

2014 – visits to schools to talk about biological processes of composting and gardening without chemicals

2011 Director of Soilfoodweb Institute, Australia.

2011 -2013– presenter of workshops and talks to community groups – 5-10 per year.

2008-2009: Scientific advisor to Frankston and Mornington Peninsula Shires Emissions Trading Committee.

2007: Member of committee formed to establish an environmental information centre and sustainable energy pilot facility in Baw Baw Shire west of Warragul, in Gippsland.

2007-2010: Project leader of a Community Building Initiative Project for Cardinia Shire.

2007-2011: Committee Member of Gippsland Women in Local Government.

2006 -2009: Chairperson of Annual Red Hill Wine Show Wine Business 1-day Forum.

2005: Member of NMIT committee to review submission for Bachelor of Hospitality Management.

2003-2005: member of a committee to establish a biosphere on the Mornington Peninsula under UNESCO Seville Strategy for Man in the Biosphere. Mornington Peninsula & Western Port Biosphere established 2005. I was appointed as Cardinia Shire Director on Board for 2005

2003: Member of State Government Education Department Committee to determine accreditation of NMIT Bachelor Viticulture & Winemaking.

2004: Member of International Referee & Advisory Scientific Committee: XIII International Botrytis Symposium, Antalya, Italy 25-31 October, 2004.

2003: Workshop Committee Convenor/ Chairperson. 8th International Congress of Plant Pathology, Christchurch. International workshop on Botrytis cinerea.

2002-2003: Member: Mornington Peninsula Biosphere Committee.

2002: Member: Mornington Peninsula Environmental Development Group.

2001: Workshop Convenor. Wine Technical Conference, Adelaide. 'Management of Botrytis cinerea in Australian vineyards'.

2000: Team member of CRCV to develop AUSVIT.

2000: Member: GRWDC Pest and Disease Management Project Review.

2000: Member: National committee CRC for Viticulture called Viticulture 2000.

2000: Foundation member: Australian Fungal Poisoning Network

2000: Member: National committee to determine future developments in disease management for the Australian Vine Improvement Association.

2000-2001: Independent expert: AQIS Risk Assessment Panel (AQIS RAP) for import of wild & edible mushrooms into Australia.

1999-2002: Member & contributor: Education group within the Australasian Plant Pathology Society.

1999: Workshop Convenor. 12th Biennial Conference of the Australasian Society of Plant Pathology, Canberra. 'Botrytis cinerea'.

1998-2002: Project team Leader: CRCV 2.

Talks: Invited speaker:

2023: West Gippsland Progress Association. Talk #1: The Soil Health I the Impact of Synthetic Chemicals' Talk #2: How a Farmer goes about improving Soil Health without Synthetic Chemicals.

2022: SA Landscape Board Kangaroo Island, Adelaide hills.

2022: Wine Australia Ecovineyards programme (Dr Mary Retallack programme leader) I am speaking on vineyard soil health to 10 Australian wine growing regions between Oct 20th and dec 3rd 2022.

2022: Australian national field Days, orange, NSW. October 20-23rd. Presentation on 20 and 22nd 'Soil Carbon'.

2021: Workshop #2 Soils & Agronomy – Basics of Soil Chemistry/biology & structure; garlic soil preparation. Farmer Incubator, Fawkner, 7th March 2021.

2020: Small things! Big difference. Seminar to Soils Group, fac of Veterinary & Agricultural Science, Univ of Melb.

2019: Biosecurity in a changing climate, Federation University & SGLC. Farmers Forum, Kernot Hall, Oct 23rd 2019.

2019: Public launch of SGNL 2 year project. Dr Cole key-note speaker, Daker Centre, Leongatha. 20th Oct 2019.

2019: Enhancing Soil Biology 2 year Project, Dakers Centre, Leongatha. Soil Gippsland Landcare Network. September 22nd. 2019

2019: Heathcote Winegrowers' Association, Under Vine Field Day, Colbinabbin Memorial Hall, Colbinabbin. Life in the Soil – Microbes & Soil Health.

2019: Macedon Ranges Viticulture Association. Soil Health Workshop, Curly flat Vineyards, Lancefield, September 5th 2019

2019: Perth City Community Farm, Biological farming workshop (composting) & Small Microscope Course. July 13 & 14th, 2019

2019: Post fire weed ID & non-chemical control of pasture weeds. Port Phillip & Western Port CMA, Brew Road, Tynong North.

2019: Agpath laboratories, Garfield. Biological farming workshop (composting) & Small Microscope Course. 29 & 30th June 2019.

2019: Downs Estate Community Project, Seaford. 'Dirt Day'. May 26th 2019.

2019: Agpath Laboratories., Garfield. . Biological farming workshop (composting) & Small Microscope Course. 18 & 19th May 2019.

2019: Autumn Late Harvest Dinner, Neerim District Bowling Club, Mushrooms – edible or not.

2019: The chef & Farmer's wife luncheon, February 8th 2019, Nutritional value of organic foods.

2018: Drouin Lions Club Garden Expo. presented 2 daily. Soil life and healthy food. Oct 13 & 14th

2018: Biological farming workshop (composting) & Small Microscope Course. Nov 10th & 11th 2018. Agpath labs.

2018: Biological farming workshop (composting) & Small Microscope Course. June 30th & July 1st 2018. Agpath labs.

2018: Egypt SEKEM organisation; invited international expert to deliver lectures, workshops and practical advice. March 21 to 29th, 2018.

2018: Tasmania. Biological farming Practical Workshop (composting) and Small Microscope Course. Burnie, Tasmania, 23rd to 26th April. 2018.

2018: Uppsala, Sweden; Biological farming seminars in soil plant health. June 8-19th 2018.

2017: March: Full day Biologic Seminar for Turf management, Yarra Yarra Golf Club, 567 Warragul Road, East Bentleigh

2016: October: Soil health on Australian Golf Courses. GMV mini-conference & AGM at The Eastern Golf Club, Yering, Yarra Valley, Victoria. Guest speaker.

2016: October – 2 talks over two days: "Gardening without chemicals" & Soil Health" Garden & Home Expo, Lardner Park, Warragul, Victoria..

2015: Farming for the Future, Bendigo Bank Agricultural Information Forum, Bunyip, Victoria.

2015: The importance of Fungi in Carbon management, Victorian Organic Farmers ass, Inc. Agpath Laboratory, Garfield, Victoria.

2015: The importance of Fungi in Carbon Management, Latrobe Valley Field Naturalists Club, Newborough, Victoria.

2015: The importance of Fungi in Carbon Management, Pakenham Garden Club, Pakenham, Victoria.

2015: Impact of Fire on soil ecology, Fire Ecology Forum, Yarra Ranges Council, Lilydale.

2014: Westernport Biosphere Growing Connections Project, Diversity, Sustainability & health. Cardinia cultural Centre, Pakenham, Victoria.

2014: My personal journey to a sustainable future, Cardinia Shire International Women's day lunch, Cardinia Cultural Centre, Pakenham, Victoria.

2013: Mushrooms: Myths & Legends, Friday Group, Tynong, Victoria.

2013: Building a career in science, Networking Event, Gippsland campus of Monash University, Churchill, Victoria.

2013: Mushrooms: Myths & Legends, Gippsland Women on Farms, Tynong, Victoria.

2013: Fungi: the good, the bag and the ugly! Friends of sassafras Creek, Monbulk, Victoria.

2012: Inaugural Soils Conference, Biology on Soils. Warrnambool, Victoria.

2012: The dirt on food: healthy soils, Growers & Eaters Conference, Bendigo, Victoria.

2012: Good soils – great food, The science of Food Symposium, Knowledge Week, Melbourne.

2012: Understanding the soil food web & interpreting soil food web analysis reports, Lismore Land Protection Group, Lismore, Victoria.

2012: Mushrooms – edible or not! Launch of Bendigo Community Bank, Bunyip, Victoria.

2012: Benefits of Seasol to soils. Sponsored by Seasol P/L, Adelaide, South Australia.

2012: NECMA - 2 day workshop, Oxley, NE Victoria. 'Soil Biology and Botrytis forum', Presented as part of North East CMA's Soil Carbon Programme.

2012: Milawa Organic Group – ½ day microscope workshop looking at components of compost and compost tea.

2012: Soil Food Web Interactions & Plant production. 2 week course with Dr Elaine Ingham & Dr Mary Cole., University of Melbourne, Dookie campus.

2012: Baw Baw Permaculture Group – Identification and eating wild mushrooms.

2012: Tynong North Friday Group - Identification and eating wild mushrooms.

2012: Slow Food Melbourne – Growers & Eaters Forum – Soil Health.

2012: Evolution of Soils. Port Phillip & Western Port CMA, Main Ridge Community Hall, Main Ridge, Victoria.

2012: Use of microscopes interpreting biota in compost & compost teas. North East CMA, Milawa, Victoria.

2011: SFI compost/compost tea workshops (3 days) in Yarra Valley.

2011: Grape & Wine Research & Development Corporation Vine Health Field Day, Griffith.

2011: Grape & Wine Research & Development Corporation Vine Health Field Day, Tumbarumba

2011: Soil Food Web Interactions & Plant production. 2 week course with Dr Elaine Ingham & Dr Mary Cole., University of Melbourne, Dookie campus.

2010: Grape & Wine Research & Development Corporation Vine Health Field Day, Shoalhaven

2010: Viticultural Society of the Southern Tablelands (ACT & NSW) Botrytis management – alternative options. Murrumbateman, ACT.

2010: Viticultural Society of the Southern Tablelands (ACT & NSW) Good soils – fine wines. Murrumbateman, ACT.

2010: Grape & Wine Research & Development Corporation Vine Health Field Day, Canberra

2010: Southern Gippsland Wines Inc (SGWI) Technical Forum, Soils and fine wines. Djinta Djinta Winery, Gippsland, Victoria.

2010: Final report presentation of: Healthy Soil, Stock & Pasture Project, Results paper, sponsored by Cardinia Environment Coalition, Garfield Golf Club.

2010: Tackling Soil Acidification & improving soil health in vineyards, funded by Caring for Country – DPI Vic & VHA, Blue Gable Vineyard, Upper Maffra West, Victoria.

2010: 2 week course – Soil Food Web with Dr Elaine Ingham, University of Melbourne, Dookie campus.

2010: Grape day – Stop the Rot – Key note Speaker, New Zealand Wine Industry, Hawkes Bay, North Island.

2010: Grape day – Stop the Rot – Key note Speaker, New Zealand Wine Industry, Marlborough, South Island.

2007: October: 6000 years of parallel history. Anglican Church annual dinner.

2007: August: Identification of fungi and their edibility. Billabong Club, Holbrook, NSW.

2007: July: 6000 years of parallel history. Garfield Probis Club.

2007: June: 6000 years of parallel history. Garfield Rotary Club.

2007: May: Botrytis and wine. Garfield garden club

2007: May: Identification of mushrooms and their edibility. French Island Field naturalists Group.

2006: September: Mushrooms, myths and legends. Warragul Garden Club.

2006: May: Mycorrhizae and Environmental Health. Australian Plant Society, West Gippsland Branch, Warragul.

2006: May: The Importance of Fungi in our Environment. Bairnsdale Field Naturalists Society.

2005: March: Quality of Soil. Gippsland Vegetable growers association, Cranbourne.

2004: June: Botrytis best Practice Protocols. IHD Knoxfield. Victorian Grape growers.

2004: June: Botrytis best Practice Protocols. Beechworth. Northern regions grape growers.

2004: July: Botrytis best Practice Protocols. Mount Macedon. Macedon and district grape growers association.

2004: July: Botrytis best Practice Protocols. Ballarat and district grape growers association.

2003: December: Microbes and bacteria and grapevines. University of Adelaide, Waite Campus, GWRDC meeting.

2003: December: Terroir and its influence on cool climate wine styles. Singapore Wine society.

2003: November: Botrytis Management. Mornington Peninsula Growers Seminar Mornington Lodge.

2003: October: Botrytis and other bunch rots. Monash Seminar series. Peninsula campus.

2003: October: Life as a Scientist. Monash University Peninsula. Senior Women's Association

2003: September: Bunch rots. Northern Tasmanian Grapegrowers Association, Launceston, Tasmania.

2003: September: Other Bunch Rots. Southern Tasmanian Grapegrowers Association, Hobart.

2003: September: CRCV Year 5, Programme 2. Waite Institute, Adelaide.

2003: September: Hot water treatment of grapevines. Griffith and Wagga, New South Wales MIA Nursery Associations.

2002: October: Projects related to supply chain management and innovation uptake. Cape Town, South Africa. General Assembly of Great Wine Capitals Education Forum.

2002: August: Latest research in Botrytis – grey mould in grapes. Grape Check workshop, Myrtleford, King and Ovens Valley Grapegrower Associations.

2002: August: Botrytis and other Bunch Rots. Technical Working Group of Tumbarumba Grapegrowers Association, Tumbarumba.

2002: July: Management of Botrytis and other bunch rots. Yalumba Agri-Link Growers Technical Committee Workshop. Barossa Valley, South Australia

2002: June: Mushrooms – poisonous or safe? Field Naturalists Association, Moe, Victoria.

2002: June: Botrytis and Botrytis management. CRCV Symposium Mildura Industry Reference Group Mildura, Victoria.

2002: June: Botrytis and Botrytis management. King Valley Vignerons Association, Milawa, Victoria.

2002: June: Botrytis and Botrytis management. Alpine Growers Association, Myrtleford, Victoria.

2002: June: Botrytis and other bunch rots. Alpine and King Valley Vignerons Association.

2002: June: Botrytis workshop. North-eastern region grape growers, Wangaratta.

2002: June: Botrytis workshop. Alpine region grape growers, Myrtleford.

2002: May: Botrytis and other bunch rots Workshop. Mornington Peninsula Vignerons Association.

Public relations roles:

2021: Expert Witness in Crib Point to Pakenham Gas Pipeline Committee. Hired by Western Port Protection Council.

2013-2019: Expert Witness in Supreme Courts cases for NSW and Victorian Supreme Courts.

1999-2003: Monash University Peninsula campus Director's Advisory Committee, representing wine technology & marketing to:

- a) Co-sponsor Red Hill Cool Climate Wine Show
- b) Establish Monash in wine particularly on Mornington Peninsula.

2002-2003: Elected member of Faculty OSP Committee; Assess applicant's submissions for OSP; was asked to assist one academic to improve his application. He subsequently was successful in his application.

2002-2003: Dean's nomination on Faculty of Bus & Eco Assoc Prof/Prof Promotion Com. Assess applicant's submission for promotion. Quality applications went through to successful promotions

2003: Research day for Peninsula campus. Present the work of Wine Technology & Marketing and the WP & MP BR to the group representing all schools and departments on the campus. Expressions of interest for collaborative research with other schools/centres on campus. Establish research links and offer funding opportunities.

2003: Research day for faculty. Present methods of successfully gaining research grants from outside granting bodies. Assisted younger academics with less research experience to write grants that can stand up to granting bodies critique.

2002: Monash University Peninsula campus Grounds Committee, assisted in developing the Peninsula campus grounds; Peninsula campus is part of the Western Port & Mornington Peninsula Biosphere Reserve & as such will participate in research and conservation, and represent indigenous flora on campus.

2001-2002: Chairperson of Wine technology & Marketing Industry Advisory Board. Engage industry members in the development of the masters course so that it was relevant to the industry. Developed a masters course that is recognised nationally and internationally as the most industry relevant course of its kind in Australia.

Committees/projects

2020 continuing: Member: Sub committee for education of girls in Timor Leste as part of Friends of Emera organisation.

2020 continuing: Member; Regenerative Agriculture Sub-committee of Australian Industrial Hemp Alliance

Member; 2020 -2021 : save the Holden Bushlands Committee.

Vice-chair: 2018- 2021: Healesville to Phillip Island Nature Link.

Exhibitor. 2003,2004: Exhibition of Victorian Winemakers course advertising booth. In 2003, generated 50—70 requests for further information and translated into 7 new enrolments.

Member. 2003-2004: Victorian State Government Education Committee reviewing potential tertiary degree programme for another tertiary institution.

Participant. 1998 –1999 summer - in the CRCV summer scholarship scheme and supervised a student through to a successful completion of a project

Participant: 1998-1999 - in the CSIRO Double Helix programme and supervised two year 11 and 12 high school students to a successful completion of a project.

Participant: 2001 & 2003 – Monash mentoring scheme for new staff. I mentored 2 young women academics. I learnt a great deal from the experience and they have remained friends. I continued to assist the 2nd lecturer with her written English for her unit design, etc.

Workshops:

2022: 5 workshops a year Biological Farming practical Workshops & Small Microscope Workshops

2018 – 2021: 4 workshops a year Biological Farming practical Workshops & Small Microscope Workshops

2017: Convenor & speaker at 1 day workshop, Agpath Laboratories, Garfield, Biological Farming practical Workshop, June 24th 2017

2017: Convenor & speaker at 1 day workshop, Agpath Laboratories, Garfield, Small Microscope Workshop, June 25th 2017

2016: Invited guest convenor of workshops on biological farming practices following cyclone on Tavenui Island and Navini Island of Fiji, June 2016.

Media activities:

2022: International webinar with Dr Elaine Ingham

2022 - ABC interviews ABC Gippsland

2022: ABC Regional interview – National field days, Orange Oct 20-23rd 2022 – Importance of industrial hemp as a crop for carbon capture.

2022: Interview for article in Australian Grapegrower & Winemaker on 40 years of Crittenden Estate, Mornington Peninsula.

2018-2021: many local paper articles

2017: ABC Gardening Australia segment with Living Legacy Forest P/L.

2017: "Soil Biology key to your pastures", Pakenham Gazette, 19th April, 2017. p39

2017: "Making the desert grow". Garfield News Letter, April 2017. p

2017: "Garfield Laboratory host International Engineer.". Warragul gazette, March 14th, 2017 p 18. Visiting Egyptian scientist from SEKEM organisation. www.sekem.com

2017: 'Fresh Life in desert', Pakenham Gazette Rural matters, March 8th 2017 p 37. Visiting Egyptian scientist from SEKEM organisation. www.sekem.com

2016: "New Life From Ashes" Grow Business Magazine for Casey/Cardinia Shires, Issue 5, December 2016.

2016: Local Newspapers: mushrooms poisonings articles and interviews.

2016: During May: a) interviews with ABC, Victoria, NSW, WA, on cremated ash project for Living legacy Forest P/L; b) interview with London Times re Living Legacy Forest cremated ash project.

3) Channel 10 – The Project – interviews Living Legacy Forest P/L cremated ash project

2000: Interviewed on camera for production of a commercial video on the history and use of psycho- reactive mushrooms

1998: Scientific consultant to an episode of the television series, The State Coroner, produced by Crawford Studios, Melbourne.

1995-2006: Feature Writer for the Victorian Viticulture News, an industry newspaper that goes to all grape growers presenting latest research information on different aspects of the grape growing industry. This provides a rapid transfer of technology from the researcher to the beneficiary, the grape grower.

1995-2006: Invited Radio Speaker, mostly ABC national and regional, on viticulture diseases, viticulture disease management and on mushroom poisonings.

1995-current: Interviews with television Ch 7, 9 and ABC national and regional stations on mushroom poisonings, etc.

Consulting projects

1) 1992-current: Honorary Consultant to the Victorian Poisons Information Centre, Royal Childrens' Hospital, Melbourne.

- ② Training for hospital medical staff--recognition of the toxic fungi species
- ② Training for Poisons Information Centre in the recognition of the toxic fungi species.
- ② Education of interested general public and student groups at forum presentations.

2) 1991-1992: Alpine Resorts Commission

- Carried out environmental impact studies on the influence of artificial snow on the natural environment.

3) 1990-present: Consultant to Brown Bros, Milawa Vineyard P/L.

- consult when needed on disease management

4) 1990-current: Environmental mycology and microbiology. Consulchem P/L, Melbourne.

- Carry out microbiological identifications.

Other endeavours

2023: 190 requests for fungal identifications

2022: 320 requests for fungal identifications

2021: .500 requests for fungal identifications

2020: > 500 requests for fungal identifications

2018: >500 requests for fungal identification – mushrooms.

2019 May 18 & 19. Agpath laboratories. Biological farming Practical Workshop & Small Microscope Workshop.

2018 November 10 & 11. Agpath laboratories. Biological farming Practical Workshop & Small Microscope Workshop.

2018 June 30 & July 1: Agpath laboratories. Biological farming Practical Workshop & Small Microscope Workshop.

2018 April 24 & 25. Burnie Tasmania . Biological farming Practical Workshop & Small Microscope Workshop.

2017: January to July 7th – 370 requests for mushroom identifications by email or text pictures.

2017: June 24 & 25th. Biological farming Practical Workshop & Small Microscope Workshop.

2017: June 24 to 30th. Year 10 work experience placement at Agpath Labs from Drouin Secondary College.

2017: throughout year. Internship Student, Bachelor's Degree in Environmental Science, Monash University, majoring in microbiology.

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Online education/information forums

2021: AIA Indigenous Agriculture Webinar Feb 17th

Marys CV

SUMMARY FOR CV OF 2021-2024 ACTIVITIES

Mary was major speaker. Prepared material for each presentation

2021:

March: South Gippsland Landcare farmers Forum. Leongatha

March: Mount Cannibal Friends of. Half day workshop on Phytophthora .

May: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

May: Goulburn Ovens Institute of TAFE teaching 1.5 days

July: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

August : Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

August: Farmers Incubator Popup 1 day Workshop Keilor

September: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

October: Goulburn Ovens Institute of TAFE teaching 0.5 days

November: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

November: Zoom workshop Earthwhile WA Soil health.

2022:

February: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

March: online Zoom to Georgia Mushroom Club, USA. 300 participants to zoom presentation

May: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

May: Goulburn Ovens Institute of TAFE teaching 1.5 days

June: presentation 2 hours to Cardinia Shire plant Nursery on soil health

August: 11th Australasian Soilborne Disease symposium 2022 Cairns presented poster.

September: Kangaroo Island SA Biological workshop on soils 2 day workshop

September: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

September: Adelaide Hills Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil health

September: Langhorne Creek Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil health

September: Clare Valley Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil Health

September: GOTAFE teaching half day

October: Orange NSW Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil health

October: Orange NSW Australian National Field Days . Presented on ABC regional and at the pavilion.

November: Hunter Valley Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil health

November: Margaret River WA Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil health

November: Yarra Valley. Vic Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil health

November: Mornington Peninsula: Vic. Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil health

November: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

2023:

February: La Trobe Valley Field Naturalists Club. 1 hour presentation

February: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

March: Farmer Incubator workshop Bundoora. 1 day.

April: SA landscape Board on soil health half day presentation

April: Victorian Dahlia Club. 1 hour presentation

May: GOTAFE teaching 1.5 days

May: SA Clare Valley 2 day workshop on soil health Cole only presenter.

May: SA Clare Valley Key note Speaker at Clare Valley Climate Forum.

May: Adelaide Hills 0.5 day workshop Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil health

May: Langhorne Creek. SA 0.5 day workshop Ecovineyards Road show. Dr Mary Cole presenter. 1day presentation. Soil health

June: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

August: Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.

September: Global Hemp Summit at Univ of Melb – virtual link internationally. Cole keynote speaker.

September: West Gippsland Progress association with Cardinia Shire Council – soil health day Cole key speaker.

September: interviews with Pakenham Gazette. – see CV

October: GOTAFE teaching half day

October: Agpath sire. Field day for Sustainability Victoria research project \$700,000 one day field day 84 participants.

December: Finalists in the Cardinia shire Senior citizen of the Year Award for work in soil health and farmer wellbeing.

2024

- January 25th:** Awarded Cardinia Shire Senior Citizen of the year for work with farmers, environment, soil health and education.
- January 31st:** voted onto the Board of CORE – Centre for Organic Research & Education, Sydney.
- February 18th:** Appointed to the committee of NSW Industrial Hemp Association.
- February 27th:** Interview for Landline segment. Shown March 24th.
- March 2nd & 3rd:** Agpath 2 day workshops Biological Farmers Workshop and Small Microscope Course.
- March 7th & 8th:** Australian Organic conference, Melbourne. Presenter and panel member.
- March 22nd-24th:** Agpath & Australian Industrial hemp alliance booth at farm World.
- March 25th to 27th:** **Executive member and keynote speaker.** 8th Edition of Global Congress on Plant Biology and Biotechnology. Talk title : “Using the urban and farming waste streams to improve soil health in agricultural systems”.
- March 27th:** Discussion and forum with members of Singapore Nature Gardens and others – discussion group to green Singapore with forage gardens.
- March 28th:** Speaker at a public forum organised by Nature Garden, Project Black Gold and Food Citizen, Singapore
- April 20th:** presentation to ECOSS (environmental & education not-for-profit Community Hob, Wesburn Victoria.
- May 2nd:** Warburton shire Sustainable & productive land management forum – participant.
- May 8th:** forum speaker Cardinia Aging Well Forum.
- May 10th:** Guest speaker at Mornington Peninsula Shire Smart Farming for Western Port
- May 20th:** Teaching GOTAFE online Diploma of Horticulture (Viticulture & Oenology)
- May 22nd:** Invited guest to Cardinia Shire Leadership program launch
- May 27th:** Guest speaker with Colin Seis at 2024 Regenerative Agriculture forum Nillumbik Shire, Eltham.
- June 8th:** Invited guest at World Environment Day at Officer Gurdwara Siri Guru Nanak Darbar, Sikh Temple, officer
- June 11th:** Guest speaker at the June meeting of the Australian native plants Society of Victoria.
- June 22nd & 23rd:** Biological Farming workshop & Small Microscope course.
- July 16th** Invited speaker at Lycium Club Victoria. “Fungi can save the world”.
- August 8th.** Dr Maggie Davidson & Dr Mary Cole. ‘Soil microbiology, Human Health and safety and hemp’.
- August 15th.** Farming secrets webinar. ‘The microbial contribution to regenerative agriculture’.
- August 19th.** Presentation at AGM for Permaculture Yarra Valley ‘Understanding and appreciating good soil’.
- August 22nd.** World of Wellness Group. **Presentation** “Soil microbes and their influence on plant nutrient health & the gut biome”.
- September 7 & 8th** Agpath 2 day workshops Biological farming Workshop & Small Microscope Course.
- November 2nd & 3rd** Agpath 2 day workshops. Biological farming workshop & small Microscope Course.
- November 10th.** Victorian Industrial Hemp Association Community Day and AGM held at Agpath Pty Ltd, Dr Mary Cole keynote speaker at AGM. ‘Advancing Australian hemp with Regenerative Agriculture’.
- November 22nd and 23rd** Special workshops. Agpath 2 day workshops. Biological farming workshop & small Microscope Course.

2025:

- February 23rd** : “Mushrooms, Myths and Legends”. AGM presentation to Southern Dandenongs Land care Group, Emerald. Victoria.
- March 7th.** Casey Technical school, Berwick. International Women’s day keynote Address. Women and Diversity in S.T.E.M.
- March 13th:** Frankston city council. Webinar ‘The role of mycorrhizae and Soil Biota on Australian soil Health”.
- March 24th** : Singapore - 10am - Interview/consultation with Hazel Chew & team of Singapore Food Agency, 52 Jurong gateway Road, #14-01 JEM Office Tower, 608550 level 14. Discussed the master plan over 390 ha of land across the next 2-3 years.
- March 24th:**Singapore - 2.20pm – Nation university Singapore NUS - Prof Ong Choon Nam’s soil science team of PhD students and post-docs. Mary to discuss their projects and offering advice if required.

March 25th: Singapore – am – visit & sharing knowledge in the community gardens at Boon Lay Nature Garden (in Jurong Central Park) – led by Cuifen Pui and her team.

March 27th & 28th Key note speaker at 9th Edition of Global Congress on Plant pathology and Biotechnology, Singapore. Chair of one session. “Mineralisation of Urban Waste through composting in agriculture in a circular economy”.

March 29th: 9am-4.30pm Mary Keynote speaker at Climate Action Forum “Resilient Food Future. Singapore”. Panel member also with Prof Ong, Alan Poh Grassroots volunteer, Catherine Ioke, director TCHS, Chen Ching Wei, Founder project blackgold. Hosted by Bjorn Low, CEO, Edible Garden City, and Carrie Tan, Member of parliament, Nee Soon GRC, PAP Women’s Wing, Head of Partnerships.

March 30th: 2-3.30pm webinar hosted by Ee Peng Ang and Cuifen Pui. Webinar for soil enthusiasts around SE Asia.

April 2nd: Agrifutures RWA Finalist Video Day at Mary’s home and lab. Official publicity shooting for RWA, Victorian winner.

April 10th: Speaker to Field Naturalists Club Victoria, Botany Group, Blackburn FNCV headquarters. “The Role of Mycorrhizae and soil Biota in Australian Soil Health”.

May 2nd. Podcast with Soils for Life.

May 8th. Interview by feature editor, Australian Women’s Weekly.

May 9th. Speaker at Rural Financial Counsellors Service State Conference Hosted by NEX Business farming & wellness. “Future-proofing Agriculture – what is next for Farmers, Counsellors and our industry?”

May 20th. Composting and Microscope workshop for golf superintendents. :The future of biological management of golf courses into the future. Agpath Laboratories

May 24th & 25th. Master class in composting and compost tea theory. Agpath Laboratories

June 7th: Speaker at “Grown not Flown” Australian flower industry conference, Glenmore, Victoria. “Soil health & resilience in the face of a changing climate”. <https://grown-not-flown.com/conference>

June 20th Interview with Graziher magazine <https://graziher.com.au>

June 21st & 22nd: Agpath 2 day workshops. Biological farming workshop & small Microscope Course.

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July 3rd: Beverley Band international – podcast

July 9th : Soil science expert to speak at Cardinia shire Farmer Relief Forum

July 11th: Invited panel member to Cardinia shire/ Golf Australia discussion group on future plans for Pakenham Golf Course.

July 20-25th: Canberra AgriFutures Summit for 2025 Rural Women’s Award finalists to pitch for National RWA award, gathering of New and Emerging Industries and Emerging scholars development.

August 13th: Invited speaker Cardinia shire Farmer Relief Forum “Future proofing Australian Agriculture”.

Aug to Oct: completed online subject with Environmental Justice Australia

October 7 & 8th. Land reclamation workshop Bunurong Land council Indigenous rangers.

Nov 19th: workshop for sand belt golf superintendents – microscope workshop – soil microbe identification.

Nov 27th: Cert 3 Agriculture - teaching at GRO- Dutson Downs – class of employees in composting for 4UpSkillng RTO

Dec 5th: Appointed to editorial board of Agri Science Journal of Sustainable Agriculture and Agroecology Cole, M & Cavello, R. Ch 21. The Role of Mycorrhizas in Organic Farming in: Advances in Organic Farming. Ed L.P.Awasthi, pub. CABI

Cole, M & Cavello, R. Ch 26. Organic Farming Practices for Improving Soil Organic Matter and Soil Health in: Advances in Organic Farming. Ed L.P.Awasthi, pub. CABI

2026

Feb: interviewed for inclusion in R.M.Williams Outback Magazine “Great Australians”.

Mar: MC for event at The Windsor Hotel, Melbourne for the 2026 Agrifutures Victorian Rural Women’s Award announcement.

Feb: Invited to participate in Victorian Government Industrial hemp review, Agriculture Victoria Attwood office, 475 Mickleham Road, Attwood. 3049

Feb: Presentation to dairy farmer forum at Newby, Victoria hosted by Agriculture Victoria, Dept of Energy, environment & climate Action. My presentation “Future proofing Victorian farms against extremes of climate”.

Mar: Chair of sessions and keynote speaker at 9th Edition of Global Congress on Plant Pathology and Biotechnology. My presentation “Waste streams become resource streams in the Circular Economy”.

Mar: 31st foundation member of Cardinia Shire Council Committee for Food and Agribusiness. The Food and Agribusiness Advisory Committee has been established to support Cardinia Shire’s vision for food and agribusiness across the municipality.

Apr 9th: Consultant in soil microbiology and Plant pathology to an international data base called OLIER a Global Plant guide – based out of Singapore. olier.ai/people

Apr 11 & 12. Agpath 2 day workshops Biological farming Workshop & Small Microscope Course.

Apr 17th: 3-hour interview by Masters student from Deaken University on topic of Barriers to farmers uptake for regenerative practices in agriculture.

Apr 18th: workshop for community information group – 32 people – 5 hour lecture and farm information visit.

Apr 22nd: 4 hour visit from Federal member for Monash, Mary Aldridge MP to inform her on all aspects of biological/regenerative farming with the view that I address a group of federal politicians in September in Canberra at Parliament house on future proofing Australian farming against climate change by with regenerative practices.

May 12th : mentoring week for student of agriculture at Agpath laboratory.

May 22nd: International Webinar with Soil Food web, USA, discussing case studies of successful farming stories that have transitioned to regenerative farming practices.

May 23rd Keynote speaker at Yarra Ranges Conference on managing Your Rural Property in a changing climate.

June 22nd & 23rd: Hosted by SA Landscape Board - 5 hour presentation workshops in Maclaren Vale & Adelaide Hills on Soil Biota in soil and water management with actionable steps for farmers to transition to regenerative agriculture.

July 11th & 12th: Agpath 2 day workshops Biological farming Workshop & Small Microscope Course.