

**Biological & Physical Sciences
Publication List - 1999**

Tania van den Ancker

Ancker van den, T.R. and Hodgson, M.J., 1999, Arene Catalysed Sodium Reactions, *The Royal Society of Chemistry - Perkin Transactions 1*, 20, 2869-2870, Cambridge, 2,1,C1, 2.

Ancker van den, T. & Hodgson, M., 1999, Arene Catalysed Sodium Reactions, *IC'99 Conference*, New Zealand Institute of Chemistry, M15, Wellington, 2,1,E3, 2.

John Dearnaley

Dearnaley, J.D.W., Clark, K.M., Heath, I.B., Lew, R.R. and Goring, D.R., 1999, Neither Compatible Nor Self-Compatible Pollinations of *Brassica Napus* Involve Reorganisation of the Papillar Cytoskeleton, *New Phytologist*, 141(2), 199-207, Cambridge, 5,1,C1, 8.

Dearnaley, J.D.W., 1999, Newspaper Item - World Habitat Day - Duggan Park Talk on Native Plant Species, Toowoomba, 1,1.

Dearnaley, J.D.W., Frederiks, T. and Daggard, G., 1999, Cell Wall Degradation in Compatibly Pollinated Stigmas of *Brassica Napus*, *COMBIO99(43rd ASBMB, 18th ANZSCDB & 39th ASPP)*, Pos-Mon-007, Gold Coast, 3,3,E3, 8.

Andrew Hoey

Pegg, G.G., Badran, T.W., **Hoey, A.J.**, Jackson, C.M. and Sillence, M.N., 1999, Improved Epoxidation Methodology for Synthesis of the Highly Selective β_2 -Adrenoceptor Antagonist ICI118551 [erythro()-3-Isopropylamino-1-(7-methylindan-4-yloxy)butan-2-ol], *Australian Journal of Chemistry*, 52, 53-155, Canberra, 5,1,C1, 8.

Mike Kotiw

Kotiw, M., Learmonth, R.L. and Sutherland, M.W., 1999, Biological Methods: A Novel Course in Undergraduate Biology, *Biochemical Education Journal*, 27(3), 131-134, The Netherlands, 3,3,C1, 8.

Michael Kimlin

Kimlin, M.G. & Parisi, A.V., 1999, Ultraviolet Radiation Penetrating Vehicle Glass: A Field Based Comparative Study, *Physics in Medicine and Biology Journal*, 44(4), 917-926, Bristol, 2,2,C1, 2.

Kimlin, M.G., Parisi, A.V. and Meldrum, L.R., 1999, Effect of Stretch on the Ultra Violet Spectral Transmission of one type of Commonly Used Clothing, *Photodermatology, Photoimmunology and Photomedicine Journal*, 15, 171-174, Denmark, 3,3,C1, 2.

Kimlin, M.G., 1999, What is the Progress and Future Direction of Climate Education in the Tertiary System (at USQ)? *QCCA Climate Education Workshop*, 22, Toowoomba, 1,1,E3, 2.

Kimlin, M. and Parisi, A., 1999, Implications of UV Radiation Measurements for Health Professionals, *Building Bridges: Collaboration in Health Care*, 56-69, Toowoomba, 2,2,E1, 2.

Kimlin, M. and Parisi, A., 1999, Effect of Ultraviolet Protective Strategies on Facial UltraViolet Radiation Exposure, *15th International Congress of Biometeorology and International Conference on Urban Climatology*, 145, Sydney, 2,2,E1, 2.

Kimlin, M., 1999, 28, Presentation at Commissioned Cancer Prevention Research Workshop, 1,1.

Kimlin, M.G. and Parisi, A.V., 1999, Ultraviolet Protective Capabilities of Hats under Two Different Atmospheric Conditions, *Protection Against the Hazards of UVR*, Internet Photochemistry and Photobiology, 2,2,E2, 2.

Kimlin, M.G., Parisi, A.V. & Wong, J.C.F., 1999, Home Workers and Ultraviolet Radiation Exposure, *Protection Against the Hazards of UVR*, Internet Photochemistry and Photobiology, 3,2,E1, 2.

Rob Learmonth

Learmonth, R.P., Yu, W., Shah, D.N. & Gratton, E., 1999, Study of Membrane Fluidity Modulation in Microbial Populations using Laurdan, by Cuvette Fluorimetry and 2-Photon scanning Fluorescence Microscopy, *4th International Weber Symposium on Innovative Fluorescence Methodologies in Biochemistry and Medicine*, B13, Hawaii, 4,2,E3, 8.

Learmonth, R.P., 1999, Powerpoint Slide presentations (4pc,2mac) for Australian Biotechnology Symposium at BIO99 Conference (including Qld. Premier's presentation), Seattle, 1,1.

Learmonth, R.P., 1999, Invited Speaker at Seminar, University of Queensland, Department of Biochemistry & Molecular Biology, Brisbane, 1,1.

Learmonth, R.P., 1999, Carlton & United Breweries Collaborative Research Report No., 1: Effects of Lipids on Brewery Fermentations, 1,1.

Learmonth, R.P., 1999, Invited Speaker at Seminar, University of Texas South Western Medical Centre, Dallas, 1,1.

Andy Le Brocque

Le Brocque, A., 1999, Habitat Ecology, *Bulletin of the Ecological Society of Australia Incorporated*, 29.2 (June '99), 32-33, Canberra, 1,1,C3, 8.

Le Brocque, A., 1999, 25, Newspaper Article - Habitat Preferences & Ecology, Toowoomba, 1,1.

TK Mukkur

Mukkur, T.K.S., Coloe, P.J. and Saini, K.S., 1999, Salmonella Vaccine for Food-Producing Animals: Current Status, *Indian Journal of Microbiology*, 39(3), 139-148, New Delhi, 3,1,C1, 8.

Mukkur, T.K.S., Coloe, P.J. and Saini, K.S., 1999, Live Attenuated Salmonella Species as Vaccines for Food Processing Animals, *Diamond Jubilee Symposia and 39th Annual Conference Association of Microbiologists of India*, 21, Mangalore, 3,1,E3, 8.

Farrell, D.J., Daggard, G. & Mukkur, T.K.S., 1999, Nested Duplex PCR to Detect *Bordetella pertussis* and *Bordetella parapertussis* and its Application in Diagnosis of Pertussis in Nonmetropolitan Southeast Queensland, Australia, *Journal of Clinical Microbiology*, 37(3), 606-610, Washington, 3,3,C1, 8.

Alfio Parisi

Parisi, A.V., Willey, A., Kimlin, M.G. & Wong, J.C.F., 1999, Penetration of Solar Erythral UV Radiation in the Shade of Two Common Australian Trees, *Health Physics Society Journal*, 76(6), 682-686, Baltimore, 4,3,C1, 2.

Parisi, A.V. & Kimlin, M.G., 1999, Determination of the Solar Ultra Violet Transmission in Tree Shade, *Australian Science Teachers' Journal*, 45(1), 51-53, Deakin West, 2,2,C1, 2.

Parisi, A.V. & Kimlin, M.G., 1999, Testing of the Solar Ultra Violet Transmission of Clothing and Shade Materials, *Australian Science Teachers' Journal*, 45(1), 51-53, Deakin West, 2,2,C1, 2.

Parisi, A. & Kimlin, M., 1999, Effects of Simple Measures to Reduce the Occupational Solar UV Exposure of Outdoor Workers, *Journal of Occupational Health and Safety*, 15(3), 267-272, North Rhyde, 2,2,C1, 2.

Parisi, A.V., Kimlin, M.G. and Mainstone, J.S., 1999, Variations in Solar Erythral Ultra Violet Occupational Exposure due to Daylight Saving Time in Australia, *Journal of the Australian Radiation Protection Society*, 16(3), 13-20, Nunawading, 3,3,C1, 2.

Parisi, A.V., Meldrum, L.R., Wong, J.C.F., Aitken, J. and Fleming, R.A., 1999, Lifetime Ultra Violet Exposure Estimates for Selected Population Groups in South-East Queensland, *Physics in Medicine and Biology*, 44(12), 2947-2953, United Kingdom, 5,2,C1, 2.

- Parisi, A.V. and Kimlin, M.G.**, 1999, Horizontal and Sun-Normal Spectral Biologically Effective Ultra Violet Irradiances, *Journal of Photochemistry and Photobiology*, 53(5), 70-74, Netherlands, 2,2,C1 2.
- Parisi, A.V.** and Wong, J.C.F., 1999, Actinic Ultra Violet Exposures to Humans Assessed with a Dosimetric Technique, *International Journal of Environmental Health Research*, 9(4), 277-284, United Kingdom, 2,1,C1, 2.
- Parisi, A.V., Mottram, K., Kimlin, M.G., Wilson, M. and Wollstein**, 1999, An Alternative Speed of Light Measurement Experiment for a Senior Physics Laboratory, *Australian Science Teachers' Journal*, 45(4), 54-56, Australian Capital Territory, 5,5,C1, 2.
- Parisi, A.V. and Kimlin, M.G.**, 1999, Comparison of the Spectral Biologically Effective Solar Ultra Violet in Adjacent Tree Shade and Sun, *Physics in Medicine and Biology*, 44(8), 2071 -2080, Bristol, 2,2,C1, 2.
- Parisi, A.V., Kimlin, M.G., Meldrum, L.R. & Relf, C.M.**, 1999, Field Measurements on Protection by Stockings from Solar Erythema Ultra Violet Radiation, *Radiation Protection Dosimetry*, 86(1), 69-72, Ashford, Kent, 4,3,C1, 2.
- Parisi, A.V., Wong, J.C.F., Kimlin, M.G. and Meldrum, L.R.**, 1999, Errors in Determining Broadband Ultra Violet Irradiances from Spectral Measurements, *The Journal of the Australasian Radiation Protection Society Inc.*, 16(2), 10-15, Nunawading, 4,3,C1, 2.
- Parisi, A.V.**, 1999, Development of a Technique for Spectral Solar Ultra Violet Albedo Measurements of Building Material, *The Annual Australasian Engineering & Physical Sciences in Medicine Conference*, 31, Gold Coast, 1,1,E3, 2.
- Parisi, A. & Kimlin, M.**, 1999, 64, Production of Ultra Violet Dosimeter Film, Toowoomba, 2,2.
- Wong, J. & **Parisi A.**, 1999, 64, Protection against the Hazards of UVR (Co-covenors of Internet Conference), 2,1.
- Parisi, A.**, 1999, 25, Newspaper Article, Cool Shade is 'uncool' UV Risk, Toowoomba, 1,1.
- Parisi, A.**, 1999, 25, Newspaper Article, Shade not the answer to UV Rays Study Finds, Toowoomba, 1,1.
- Parisi, A., Kimlin, M. and Sabburg, J.**, 1999, 25, Newspaper Article, UV Radiation, Toowoomba, 1,1.
- Parisi, A.**, 1999, 28, Presentation at Commissioned Cancer Prevention Research Workshop, Brisbane, 1,1.
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- Parisi, A.V.** and Wong, J.C.F., 1999, Usage of a Dosimeter Spectrum Evaluator for Different Environments, *Protection Against the Hazards of UVR*, Internet Photochemistry and Photobiology, 2,1,E1, 2.

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Jeff Sabburg

Sabburg, J. and Wong, J., 1999, Evaluation of a Ground-based Sky Camera System for use in Surface Irradiance Measurement, *Journal of Atmospheric and Oceanic Technology (AMS)*, Vol 16(6), 752-759, Boston, 2,1,C1, 2.

Sabburg, Jeff and Wong, Joe, 1999, Measurement of Cloud Angle Forenhanced UVB at the Earth' Surface, *Protection Against the Hazards of UVR*, Internet Photochemistry and Photobiology, 2,1,E1, 2.

Sabburg, Jeff and Wong, Joe, 1999, Validation of Improved Sky Camera Algorithm for Measurement of Cloud Around the Sun, *Protection Against the Hazards of UVR*, Internet Photochemistry and Photobiology, 2,1,E1, 2.

Mark Sutherland

McDonald, K., **Sutherland, M.** & Guest, D., 1999, Are Hypersensitive Cells Killed or Do They Suicide?, *APPS 12th Biennial Conference Asia Pacific Plant Pathology for the New Millennium*, 175, Canberra, 3,1,E3,8.

Sutherland, M.W., Guest, D.I., **Able, A.J.**, McDonald, K., **Singh, L. and Bovill, W.D.**, 1999, Disease Resistance in Plants - Parallels and Contrasts with Mammalian Systems, *Oxidative Pathways in Health and Disease - SFRR, ANZEMS and ASEP*, P68, Sydney, 6,4,E3, 8.

McDonald, K., **Sutherland, M.** & Guest, D., 1999, The Cell Death Signal, *APPS 12th Biennial Conference Asia Pacific Plant Pathology for the New Millennium*, 147, Canberra, 3,1,E3,8.

Guest, D.I., **Sutherland, M.W.** and McDonald, K.L., 1999, Sacrificial Cell Death in Plants, *Today's Life Science*, 19(4), 50-53, Chatswood, 3,1,C1, 8.

Ed Willey

Willey, E.C., 1999, Intrusives in the Southern Outcrop of the Maronghi Creek Beds (S.W\E. Qld), Regional Geology Tectonics & Methallogenesis - NEO'99, Earth Sciences, University of New England, 267-273, Armidale, 1,1,E1, 2.

Shirley Wilson

Byrnes, M.L., Thickbroom, G.W., Phillips, B.A., **Wilson, S.A.** and Mastaglia, F.L., 1999, Physiological Studies of the Corticomotor Projection to the Hand After Sub Cortical Stroke, *Clinical Neurophysiology*, 110(3), 487-498, The Netherlands, 5,1,C1, 8.

Wilson, S.A., Summers, J.J., **McKay, D.**, Bysouth-Young, D. and Byblow, W.D., 1999, Central Perturbation: Does One Hand Dominate? *Sixteenth International Australasian winter Conference on Brain Research*, Vol 97(3-4), 244, Queenstown, 5,2,E3, 8.

Amanda Able

Able, A.J., 1999, Role of Reactive Oxygen Species During Resistance Responses of *Nicotiana tabacum* to *Phytophthora Spp.*, Doctor of Philosophy (PhD) Thesis, 63, 1,1.

Able, A.J., Guest, D.I. & **Sutherland, M.W.**, 1999, Roles and Dynamics of Reactive Oxygen Species during Specific Disease Resistance in a tissue Cultured Plant-Pathogen System, *APPS 12th Biennial Conference Asia Pacific Plant Pathology for the New Millennium*, 147, Canberra, 3,2,E3,8.

Able, A.J., Guest, D.I. & **Sutherland, M.W.**, 1999, A Comparison of Responses by Incompatible Field Resistant and Non-Host Tobacco Cells to Zoospores from *Phytophthora Spp.* And Non Specific Elicitors, *APPS 12th Biennial Conference Asia Pacific Plant Pathology for the New Millennium*, 243, Canberra, 3,2,E3,8.

Able, A.J., Guest, D.I. & **Sutherland, M.W.**, 1999, Potassium Effluxes, PH Changes and ROS Production by *Nicotiana Tabacum* Suspension Cells Challenged with Incompatible Zoospores of *Phytophthora Parasitica* Var. *Nicotianae*, *APPS 12th Biennial Conference Asia Pacific Plant Pathology for the New Millennium*, 242, Canberra, 3,2,E3,8.

Bill Bovill

Bovill, W.D., Guest, D.I. & **Sutherland, M.W.**, 1999, Phytoalexins - Just Antimicrobial Compounds? *APPS 12th Biennial Conference Asia Pacific Plant Pathology for the New Millennium*, 94, Canberra, 3,2,E3,8.

David Farrell

Farrell, D.J., McKeon, M., **Daggard, G.** and **Mukkur, T.K.S.**, 1999, A Polymerase Chain Reaction (PCR) Method that Fulfills all of the Consensus Recommendations for the Use of PCR in the Diagnosis of *Bordetella Pertussis* Infections, 39th Interscience Conference on Antimicrobial Agents and Chemotherapy, 225, San Francisco, 4,3,E3, 8.

Raechelle Grams

Grams, R.A., Ma, W. and **Sutherland, M.W.**, 1999, Wheat Glutenins and Quality: Piecing together the Puzzle Using Double Haploid Populations, *Ninth Assembly Wheat Breeding Society of Australia - Vision 2020*, 41-43, Toowoomba, 3,3,E2, 8.

Steve Kammholz

Kammholz, S.J., Banks, P.M. and **Sutherland, M.W.**, 1999, Investigation of Genetics of Wheat Quality Utilising a Neepawa X Hartog Double Haploid Population, *Ninth Assembly Wheat Breeding Society of Australia - Vision 2020*, 44-46, Toowoomba, 3,2,E2, 8.

Kammholz, S.J., Fiske, M.L., Sheppard, J.A. and Banks, P.M., 1999, Incorporation of Double Haploids into the Queensland Wheat Improvement Program, *Ninth Assembly Wheat Breeding Society of Australia - Vision 2020*, 214-215, Toowoomba, 4,1,E2, 8.

Cassandra Lusted

Lusted, C.D., Wildermuth, G.B. and **Sutherland, M.W.**, 1999, An Examination of the Development of Crown Rot in Seedlings of Wheat, Barley and Oats, *Ninth Assembly Wheat Breeding Society of Australia - Vision 2020*, 220-222, Toowoomba, 3,2,E2, 8.

Darrin McKay

McKay, D.R., **Wilson, S.A.** and Summers, J.J., 1999, Perturbation of Bimanual Hand Movements Following Transcranial Magnetic Stimulation of the Supplementary Motor Area, *Sixteenth International Australasian Winter Conference on Brain Research*, Vol 97(3-4), 245, Queenstown, 3,2,E3, 8.

Wujun Ma

Ma, W., **Daggard, G.**, **Sutherland, M.W.** and Brennan, P., 1999, Molecular Markers for Quality Attributes in Wheat, *Ninth Assembly Wheat Breeding Society of Australia - Vision 2020*, 115-117, Toowoomba, 4,3,E2, 8.

Motiul Quader

Quader, M., **Sutherland, M.W.**, Barrow, R. and Walker, S., 1999, Allelopathy and Dimboa Production in accessions of Triticum Speltooides, *Ninth Assembly Wheat Breeding Society of Australia - Vision 2020*, 230-232, Toowoomba, 4,2,E2, 8.

Lakhvir Singh

Singh, L., McDonald, K., Guest, D. & **Sutherland, M.**, 1999, Is Nitric Oxide Generated During Tobacco/Phytophthora Interactions in Culture?, *APPS 12th Biennial Conference Asia Pacific Plant Pathology for the New Millennium*, 92, Canberra, 4,2,E3,8.

