

Curriculum Vitae

Professor Ian J. Porter
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DR IAN JAMES PORTER

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STATUS: Married; 3 Children: Jodie 27 yr, James 24 yr, Richard 20 yr

QUALIFICATIONS:

- PhD, LaTrobe University 1991
- B.Agr.Sc (1st Class Honours), Melbourne University, 1979
- Graduate in a Master Class in Microbial and Plant Molecular Genetics, Monash Uni, 1994
- Graduate Diploma in Frontline Management, 1998
- Fellow of Leadership Victoria 2002
- Graduate from Board Orientation Course, Leadership Victoria 2003

AWARDS:

International:

- 2017 – TEAP award – 30th Anniversary, Montreal Protocol
- 2012 - TEAP Champion Award, Montreal Protocol
- 2007 - Awarded the ‘Best of the Best’ Stratospheric Ozone Protection Award (United States Environment Protection Agency) - for service over the last decade to repair of the ozone layer (Received both as an individual and Team Award).
- 2007 - United Nations Innovators Award, Montreal Protocol (Team Award to DPI)
- 2007 - United Nations TEAP Champion Award, Montreal Protocol
- 2003 - US EPA Stratospheric Ozone Award

National:

- 2012 National Award - One of 7 Australians to be awarded recognition by Australian Government for science contribution to the ozone layer and international legacy at the 25th Montreal Protocol at Parliament House on September 2012
- 2011 - Winner of the BioSciences Research Division (BRD), DPI, Louis Pasteur Award for teamwork in BioProtection research
- 2009 - Winner of the Norman Borlaug inaugural DPI Award for research which has had the greatest national and international impact within the BioSciences Research Division
- 2009, 10 and 11 - Finalist in the 2009, 2010 and 2011 National Vegetable Industries Research Award
- 2006 - Perelberg Award from Scotch College - Most prestigious award from Scotch College. Given to an old boy who has conducted outstanding service to the environment and to a person who reflects the school spirit
- 2004 - United Nations Award of Australia Finalist, 2003 (Team Award as Leader)
- 2002 - MacAlpine Award - The highest Government award for Exceptional Science within the Department of Agriculture in Victoria (Team Award as Leader)
- 2001 - Inaugural DPI, Knoxfield Science Award
- 1979 - Postgraduate Research Scholarship.
- 1976 -79 Undergraduate Bursary (TT Dick), Melbourne University,

CAREER RESEARCH APPOINTMENTS - SUMMARY

2009 - 2021	Research Professor, School of Life Sciences, La Trobe University
2014 - 2017	Director, Centre for Expertise in Smoke Taint Research on Grapevines, Department of Primary Industries, DEDJTR, Victoria
2006 - 2014	Principal Research Scientist, Plant Pathology, BioSciences Division, Department of Primary Industries, DPI, Victoria
2006	Acting General Manager Plant Industries - DPI, Victoria
2005 - Current	Member of the United Nations TEAP Committee (top scientific committee of the Montreal Protocol) Cochairman of the United Nations Methyl Bromide Technical Options Committee for the Montreal Protocol
1997 - Current	Chairman of UN MBTOC Soils Committee
2002 - 2006	Statewide Leader of Plant Pathology – Department of Primary Industries (DPI), Victoria
2000 - 2001	Acting Plant Health Manager - IHD, Knoxfield, DPI, Victoria
1993 - 2000	Team Leader/Manager - Integrated Pest Management
1980 -1993	Plant Pathologist & Senior Plant Pathologist, Mycology Section, Institute of Plant Sciences, Dept of Agriculture, Burnley
1978-1979	Research Assistant, Botany School, Melbourne University studying the biochemistry of seed proteins using SDS gel electrophoresis

SCIENTIFIC RECOGNITION AND PROFESSIONAL STANDING

Summary:

- As a current member of TEAP and cochair of the UN MBTOC Committee and in past Statewide Leadership positions for the Victorian Government in Australia, recognition has been gained from agricultural industries and policy advisors for providing solutions for pests and disease control in agricultural industries and the resulting impact of control measures on the environment, particularly the ozone layer. The outcomes from the work have led to huge reductions in economic loss to horticultural industries globally, but particularly in vegetables crops, strawberry and floricultural industries in Australia with a GVP \$500 million. The present and past positions with the Montreal Protocol have assisted countries globally with the phase out of the ozone depleting chemicals, specifically methyl bromide, which has led to an 80% reduction in use of one of the largest chemicals used in agriculture and contributed 35% to the present recovery of the ozone layer. My roles have involved providing technical and policy advice on solutions for pests and disease control to national and international horticultural industries and governments for over 30 years. As such, regular invitations have been received to give keynote addresses at key national and international conferences and additionally to present findings to parties of the Montreal Protocol. I have also acted as a specific technical expert on QPS Emission controls for the State government of Victoria to uphold policy controls. Current research roles include leading research on mitigation of nitrous oxide emissions in the horticultural industries and reducing the impact of bushfire smoke on the national wine industry and to help improve public land management. I have published over 300 articles in books, journals and key technical reports for the United Nations.

Timeline: 2012-2018 2015

- Key invited speaker at sessions organized by UNEP and UNIDO at side meetings of the Montreal Protocol in 2012, 2014, 2015 and 2018.
- Invited keynote speaker at the Joint Session of the International Convention and Exhibition of Soilless Culture and National Conference of Protected Cropping Australia, 5-8 July 2015

- 2013 • Invited keynote speaker (one of two) at the Asian Seed Conference in Japan, November 2013
- 2012 • Invited keynote speaker (one of two) at the Asian Seed Conference in Bali, November 2012 (strategically planning for industry potential for biofumigant crops)
- 2011 • Invited keynote speaker for the International Biopesticides and Biofumigation Conference in Saskatoon, Saskatchewan, Canada 2011.
- 2010 • Invited Presentation and Member of a La Trobe University delegation of Professors to attend the Beijing Forum in China and present on international issues affecting environmental management international (Keynote address one of a few selected for presentation in 2011 booklet).
- 2008 -2009 • Chairman of Primary Industries Standing Committee Working Groups (Soil Health, Brassicas) to assist national rationalization of R, D and E.
- 2005- 2010 • Guest lecturer in plant pathology in agricultural science courses at Melbourne University
- 2008 • Session Chairman and invited keynote speaker to the 8th International Congress of Plant Pathology, Torino, Italy and International Biofumigation Workshop, Canberra, Australia
- 2006-2008 • Developed strategic plans for the National Vegetable Industry to coordinate a \$3.6 million/yr National IPM Pathology program and \$1.2 million/yr National Soil Health program.
- 2005-2009 • Member of the United Nations Technical Economic Advisory Panel, the technical and economic advisory committee of the Montreal Protocol on ozone depletion.
- 2005-2009 • Cochairman of the United Nations Methyl Bromide Technical Options Committee (MBTOC) of the Montreal Protocol. Member since 1997.
- 2001-2005 • Member of the National Onion Industry Advisory Committee
- 1995-2003 • National Research Coordinator for the Australian MB Research Committee
- 2001 • Chairman of 2nd Australasian Soilborne Diseases Conference, Lorne, March 2001
- 2001 • Secretary, Australasian Plant Pathology Society
- 1998 • Expert consultant to review UNDP (United Nations Development Programs) research programs in China
- 1998 • Lead Consultant for the United Nations Environment Program to develop a strategic policy plan for phase out of methyl bromide in China which assisted China sign the Copenhagen Amendment and avoid use of potentially 100,000 t of methyl bromide
- 1998 • Panel member of Agriculture Victoria's Cadetship Program selecting new prospective scientists for DPI,
- 1996-1998 • In conjunction with the Department of Environment and Heritage developed a \$1.8 million/yr National Strategy for Phase out of Methyl Bromide for Horticultural Uses in Australia
- 1995 • Founding member of the National Methyl Bromide Consultative Committee
- 1995 • Chairman of the First National Workshop to assess the impact of international restrictions on the use of methyl bromide for preplant soil fumigation
- 1994 • Victorian Councillor for the Australian Sunflower Association
- 1992-1995 • Member of the Professional Scientists Group
- 1991-1993 • Sub-editor of the Crop Protection Bulletin, Department of Agriculture
- 1989-1993 • Member of the Departmental Onion Export Development Team
- 1987-1991 • Member of the Garden Week Advisory Panel
- 1986-1991 • Australasian Plant Pathology Society Regional Councillor for Victoria
- 1983-1987 • Acted as a scientific referee for numerous national and international journals A.J.E.A., A.J.A.R., Australasian Plant Pathology and Soil Biology and Biochemistry (International), Plant and Soil (International), European Journal of Plant Pathology.
- Other: • Regularly talk to International governments during bilateral meetings at the Montreal Protocol to assist with regulation and control of ozone depleting chemicals.
- Have extensive experience in negotiation of research and policy issues with industry, government national (HAL, RIRDC, GWRDC, GRDC, Reserve Bank) and international (United Nations Environment Program, UNDP) research agencies regarding strategic priorities for research and implementation of sustainable practices.
- Member of three International Working Groups on Soilborne Plant Pathogens of Horticultural Crops: (i) Onion white rot, (ii) Sclerotinia diseases; and (iii) Clubroot of crucifers

Key Research Outcomes:

- Presented over 100 keynote addresses and presentations at National and International Conferences in Plant Pathology, Climate Impacts and Soil Health.
- Published over 300 refereed and non-refereed publications (Appendix 1) including the initiation and development of 5 grower newsletters in the Australian horticultural industries
- As Cochair of MBTOC and member of TEAP, the top technical committee of the Montreal Protocol have provided technical solutions for the phase out of the key anthropogenic chemicals breaking down the ozone layer. The work influences International Decisions set under the Montreal Protocol to regulate ozone depleting chemicals. Our work has directly resulted in an 80% reduction in methyl bromide use globally and this has contributed 35% of the present recovery of the ozone layer.
- Developed strategic plans for Horticulture Australia (National RIRC) for the National Vegetable Industry to coordinate a \$3.6 million/yr National IPM Pathology program and \$1.2 million/yr National Soil Health program.
- Directed the successful completion of the Victorian governments initiative (2011-2015) \$4 Million initiative ‘the Centre for Expertise in Smoke Taint’ which has for the first time international set new benchmarks for understanding and minimizing the impact of smoke taint from controlled burns and bushfires on the national wine industry.
- Initiation, implementation and management of research programs in national horticultural industries (Directly responsible for obtaining funds of > \$800,000/yr) on:
(i) Development of alternatives to soil disinfestation with methyl bromide (MB) in Australian horticultural industries, particularly flower bulbs, strawberries and vegetables, which had major implications on the international phase out of MB, and (ii) the importance of methyl bromide for biosecurity, quarantine and pre-shipment uses in Australia.
- Initiated and managed a National Program to provide integrated pest management (IPM) methods to control the most destructive soilborne pathogen of Brassica crops globally, *P. brassicae*. The IPM program included a combination of nutrient and chemical control methods and molecular and epidemiological studies of clubroot. The disease in Australia caused over \$25 million/yr loss and is one of the most devastating diseases globally. The project involved coordination of researchers in all States of Australia and has provided industry with the first effective molecular diagnostic tool, four new nutrient treatments and chemical controls for this disease.
- Managed, as the Lead Consultant, a program for the UN Environment Program to identify technical and policy options for replacement of methyl bromide in China, which has had a huge impact globally through preventing use (100,000 t) of MB, equivalent to 1.5 times the total global use in 1998.
- Initiated and managed project on integrated control of Sclerotium rot in flower bulbs. Saved industry from devastation (prevented >\$5 million/yr loss). This project was used by the US EPA as an international case study to demonstrate how IPM programs can be used to replace methyl bromide.
- Conducted and prepared a report on the ‘Risk assessment of pest and disease spread by mulched and recycled green wastes’. The information from this project assisted Victoria satisfy legislation to reduce green wastes going to landfill by 1998, and to achieve a 50% reduction of total wastes by the year 2000.
- Developed the first effective IPM strategy in Australia for control of onion white rot, the most serious soilborne disease of onions worldwide. Research led to understanding of the pathogen ecology and disease expression as affected by the environment. It also led to wide scale adoption of new technologies by the Australian Onion Industry and national registration of new fungicide strategies by Crop Care.
- Developed a novel method of using solar energy, soil solarisation, to control a wide range of soilborne diseases of horticultural crops, including Sclerotinia on lettuce and clubroot of crucifers as model pathogens. The work required a thorough understanding

of pathogen ecology and soil biodiversity and led to dramatic reductions in disease in vegetable and flower crops with yield increases up to 1,000%. This research led to solarisation being recommended by the Victorian Department of Agriculture in 1986 as a broad scale soil disinfestation treatment of a large range of horticultural crops.

- Success in obtaining over \$25 Million in research funding from Rural Research Providers to assist national research teams within Agriculture Victoria, La Trobe University and cooperative stakeholders in the last 15 years.

**POST
GRADUATE
STUDIES
SUPERVISED**

Successful PhD and post graduate candidates supervised

2008 - 2016: PhD – Dr Alicia Greenhill: ‘Understanding the molecular pathways of infection and sclerotial formation in *Sclerotinia spp.* to improve on their control’. LaTrobe University, Bundoora

2010 - 2014: Masters/PhD - Ross Mann ‘Genomics and Metabolomics of the Australian Endophytes, *Nodulisporium* and *Ascocoryne*’, DPI/LaTrobe University, Bundoora

2005 - Dr Caroline Donald: ‘The Influence of abiotic factors and host plant physiology on the survival and pathology of *P. brassicae* of vegetable brassicas’. Melbourne University, Parkville

2002 - Dr Robert Faggian: ‘The application of molecular biology techniques for the detection and genetic differentiation of the plasmodiophorids’. RMIT, Melbourne

1997 - Dr Trish McGee: ‘Epidemiology of hop red root rot and strategies for control’. RMIT, Melbourne

1995 - Dr Diana Burgess: ‘Integrated control of *Sclerotinia minor* of sunflowers’. Melbourne University

2000 - (Honours) Ms Helen Donohoe: ‘The effect of preplant soil fumigation on soil microflora density, rhizosphere colonization and plant growth parameters of the strawberry (*Fragaria ananassa*)’

2009- 2010: (Honours): Ms Cassie Scoble: ‘Effect of volatiles and surfactants on the major soilborne pathogens of vegetable crops in Australia’. LaTrobe University, Bundoora

2010- 2011: (Honours) Rajendra Gounder ‘Epidemiology and control of leaf blotch and stem end rot of strawberries caused by *Gnomoniopsis fructicola*’, LaTrobe University, Bundoora

**SHORT COURSES
AND PROFESSIONAL
TRAINING:**

- Master Class in Microbial and Plant Molecular Genetics,
- Diploma in Frontline Management,
- Radiation Course at Chicago Synchrotron
- Project management
- Intellectual Property
- Professional liability
- Governance and Financial Management DPI
- Advanced Presentation Skills,
- Chemical Users Course, Fumigation Contractors Course,
- Others: Train the Trainer, Time management, Scientific Writing, Scientific Photography

**KEY EXTRA
CURRICULAR
ACTIVITIES:**

- Member of the Australian Rowing Teams at World Championships 1973,78,79
- Represented the Department of Primary Industries at Dragon Boat Championships in Victoria from 97-2002
- Represented the Department of Primary Industries at the Public Sector Games (Triathlon and Tennis)
- Other Interests: Tennis, Bike Riding, Swimming, Gardening, Building

CAREER RESEARCH AND DEVELOPMENT POSITIONS - DETAIL

2009 - Current

Research Professor, La Trobe University

- Leader of a \$2.1M research program to determine the scale, sources and methods to mitigate nitrous oxide emissions from horticultural industries in Australia. This project aims to reduce both the climate change and ozone depletion impacts of nitrogen fertilizers and manures both nationally and internationally. Involved management of multi stakeholder program (QUT, TIAR, DAFFQ, LaTrobe)

2014 - Current

Director, Centre for Expertise in Smoke Taint Research, DEDJTR

- Directed the research team and delivery of a \$7 Million National and State Government and Wine Industry program to minimize the impact of controlled burns and bushfires on the development of smoke taint in the Victorian and National Wine Industry.

2006 - 2014

Principal Research Scientist, Plant Pathology, BioSciences Division, DPI

- Responsibilities include strategic direction, planning and conduct of research programs in horticultural plant pathology worth over \$3.0 million/yr within DPI.
- Research is focused on the development of new knowledge on the relationship between soilborne pathogens, their methods of epidemiology, soil ecology and biology and plant productivity.
- In particular, research is involved in development of new ways of suppressing diseases without pesticides especially those which have damaging effects on the environment. Research involves understanding the interactions of the biological, chemical and physical components in soil systems.
- Within the last decade has developed \$4.8 million strategic programs in soil health and IPM in plant pathology for the National Horticultural Industries and Horticulture Australia.
- More specific research has focused on:
 - 1) development of sustainable strategies to replace harsh pesticides for control of soilborne diseases
 - 1) Understanding how manipulation of soil health and quality, particularly the biological and nutrient components can naturally suppress diseases caused by soilborne pathogens.
 - 2) The use of nutrients (Ca, B and pH) to replace pesticides for control of the biotrophic pathogen, *Plasmodiophora brassicae*. This work has extended to consideration of host defence responses using microarrays and gene expression, biochemical and physiological changes within the host, nutrient and biological interactions within the rhizosphere and changes in nutrient form in the soil to assist control of disease. The latter work has involved X-ray fluorescent analysis at the Chicago and Australian synchrotrons.
 - 3) The development of molecular diagnostic tests and immunoassays in comparison to PCR and Elisa tests for rapid detection of pathogen population levels of soilborne pathogens on farm.
 - 4) Development of new strategic methods to control soilborne diseases using new technologies, such as 'natural' volatiles from plants and fungal endophytes.
 - 5) Development of integrated controls for *Sclerotinia spp.* including the use of melanin disrupters to break the fungal life cycle.

2006 (Part)

Acting General Manager Plant Industries - DPI, Victoria

- Responsible for management of personnel, budgets and technical issues related all plant industries within DPI.
- Included management of a major biosecurity issue and potential litigation of DPI with 'bacterial speck of tomatoes
- Provided briefing material for the Departmental Secretary and the Minister of Agriculture

2005 - Current

Cochairman of the United Nations Methyl Bromide Technical Options Committee for the Montreal Protocol and Member of the UN TEAP Committee (The highest technical and economic assessment committee of the Montreal Protocol)

- Responsible for technical advice on behalf of United Nations to the 192 Parties who are signatories to the Montreal Protocol.

- Together with the committee have been responsible for offering technical solutions for control of plant pests which assist phase out of over 50,000 tonnes of methyl bromide, a major ozone depleting chemical and one of the most important chemicals in agriculture for both bioprotection and biosecurity. Its phase out is having a significant effect on recovery of the ozone layer which is expected within the next couple of years.

2002 - 2006

Statewide Leader of Plant Pathology - DPI, Victoria

- Responsible for leading research programs developing new integrated pest management solutions for the major fungal pathogens affecting horticultural crops throughout Victoria.
- Manager of 37 staff at DPI, Knoxfield, approx. 30 projects and a budget of approximately \$4.2 million/yr of industry and government funds. Also assisted with management of 10 additional staff located interstate who are involved in collaborative national research programs.
- Responsible for overall budget and personnel management within entomology and plant pathology programs within horticulture in DPI, Knoxfield which includes coordination of 6 teams conducting research in entomology and pathology.
- Responsible for liaison with a large number of industry stakeholders, RIRC's and State and Federal government agencies (eg. Environment Australia, AFFA).
- Initiated \$500,000/yr Trans Tasman program on molecular diagnostics within the potato industry.
- Continued to evaluate chemical and non chemical alternatives to methyl bromide to assist international targets to reduce methyl bromide for soil fumigation and assist recovery of the ozone layer.

2000 - 2001

Acting Plant Health Manager - IHD, Knoxfield

- Manager of 85 staff at DPI, Knoxfield and budget of approximately \$8 million/yr of government and industry funded projects and additional staff involved in collaborative projects nationwide.
- Responsible for overall management and coordination of biosecurity, crop health services and plant health program within IHD. Included overall budget and personnel management within entomology and pathology programs within horticulture within NRE.
- Responsible for responding to biosecurity issues (pest risk analyses) in consultation with Plant Standards.
- Responsible for liaison with a large number of industry stakeholders, RIRC's and State and Federal government agencies.
- Initiated and managed \$220,000/yr Trans Tasman program on *Sclerotinia minor* and white rot control of vegetables.

1993 - 2000

Team Leader/Manager - Integrated Pest Management Including and UN Consultancy MBTOC 1997-2000).

- Developed new teams in Ornamentals IPM of 10 staff (1993-1996), then a larger Vegetables and Potato IPM team of 28 staff (1996-2000) for the Institute of Horticultural Development.
- Initiated, implemented and managed research programs in National horticultural industries (Directly responsible for obtaining funds of > \$800,000/yr) on:
- The importance of methyl bromide for Biosecurity, Quarantine and Preshipment Uses in Australia.
- National Project on development of alternatives to soil disinfestation with methyl bromide (MB) in Australian horticultural industries, particularly flower bulbs, strawberries and vegetables, which had major implications to international phase out of MB.
- Managed as the Lead Consultant a program for the UN Environment Program to identify technical and policy options for replacement of methyl bromide in China.
- Initiated and managed a National Program to provide IPM methods to control *P. brassicae* on integrated control, molecular and epidemiological studies of clubroot. Project involved coordination of researchers in all States and has provided industry with the first effective molecular diagnostic tool, four new nutrient treatments and chemical controls for this disease, the most devastating soilborne disease of crucifers worldwide (prevented \$25 million/yr loss).
- Initiated and managed project on integrated control of Sclerotium rot in flower bulbs. Saved industry from devastation (>prevented \$5 million/yr loss). Project was used by the US EPA

as an international case study to demonstrate how IPM programs can be used to replace methyl bromide.

- Conducted and prepared report on the 'Risk assessment of pest and disease spread by mulched and recycled green wastes'. The information from this project assisted Victoria satisfy legislation to completely reduce green wastes going to landfill by 1998, and to achieve a 50% reduction of total wastes by the year 2000.
- Initiated and implemented a project on integrated control of Elsinoe scab with the National wildflower industry
- Conducted Review of Chemical Use in the wildflower industry
- Initiated consultancies for (i) Hazelwood Power Station on Composting Melbourne Market Wastes; (ii) St Kilda Botanic Gardens and Zoo on control of Sclerotinia rot in annual flower beds.

1980 to 1993

Plant Pathologist & Senior Plant Pathologist, Mycology Section, Institute of Plant Sciences, Burnley

Initiated, managed and successfully implemented findings from projects which:

- Developed the first effective IPM strategy in Australia for control of onion white rot, the most serious soilborne disease of onions worldwide. Research led to understanding of the pathogen ecology and disease expression as affected by the environment. It also led to wide scale adoption of new technologies by the Australian Onion Industry and national registration of new fungicide strategies by Crop Care.
- Developed a novel method, soil solarisation, using solar energy to control of a wide range of soilborne diseases of horticultural crops using Sclerotinia on lettuce and clubroot of crucifers as model pathogens. Work required a thorough understanding of pathogen ecology and soil biodiversity. Effective control was demonstrated on a broad range of vegetable and flower pathogens with dramatic reductions in disease and yield increases up to 1,000%. Research led to solarisation being recommended by the Victorian Department of Agriculture in 1986 as a broad scale soil disinfestation treatment of a large range of horticultural crops. Study resulted in a PHD.
- Evaluated a single soil treatment for cereal crops (combinations of new triazole fungicides) in comparison to fumigant treatments.
- Developed an integrated strategy which is reliant on selection of suitable tolerant varieties and manipulation of sowing times to control stem rot of sunflowers, a disease which had affected 75% of the 10,000 ha of sunflower crops grown annually in N. Victoria with losses between 1 and 50% (> \$1 million/yr). This research was conducted collaboratively with the United States Department of Agriculture.
- Demonstrated effectiveness of a range of fungicides applied as stem based sprays for control of Sclerotinia fungal diseases on lettuce.

1978 - 1979

Research Assistant, Botany School, Melbourne University studying the biochemistry of seed proteins using SDS gel electrophoresis.

Key International Presentations:

- 2nd Int. Workshop on Allium White Rot, Beltsville, USA, 1983 (by P. Adams)
- 5th International Fusarium Workshop, Sydney, Australia, 1983
- 4th International Congress of Plant Pathology, Melbourne, 1983
- 6th North American Sclerotinia Conf., Saskatchewan, Canada, 1986
- 3rd Int. Workshop on Allium White Rot, Wellesborne, UK, 1986 (by A. Entwistle)
- 5th International Congress of Plant Pathology, Kyoto, Japan, 1988
- 7th Sclerotinia Workshop, Atlantic City, New Jersey, 1989
- Crucifer Genetics Workshop, Portugal, 1992 (by G. Dixon)
- 6th Int. Congress of Plant Pathology, Montreal, 1993
- International Clubroot Workshop, Montreal, 1993
- 8th International Sclerotinia Workshop, Toronto, 1993
- 2nd Int. Workshop on Alternatives to Methyl Bromide, San Diego, 1995
- 3rd Int. Conference on Alternatives to Methyl Bromide, Florida, 1996
- 4th Int. Conference on Alternatives to Methyl Bromide, San Diego, 1997
- 6th Int. Conference on Alternatives to Methyl Bromide, San Diego, 1999
- UNIDO Workshop, Beijing, to review China's Research Program, 1999

- 7th Int. Conference on Alternatives to Methyl Bromide, Florida, 2000
- 10th International Sclerotinia Conference, Monterey, California, 13-16 June, 2005, UK, July 2001
- 1st European Conference on Alternatives to Methyl Bromide, Seville, Spain 2002 (Invited keynote)
- 8th International Plant Pathology Congress, Christchurch, New Zealand, 2003 (Invited keynote)
- International Research Conference on Alternatives to Methyl Bromide and Emissions Reduction, San Diego, 2001 (Chair and keynote)
- 2nd European Conference on Alternatives to Methyl Bromide, Lisbon, Portugal 2004 (Invited Keynote)
- British Presidential Meeting and European Society of Plant Pathology, Aberdeen, Scotland, 2004 (Invited opening keynote)
- International Research Conference on Alternatives to Methyl Bromide and Emissions Reduction, San Diego, 2005
- International Conference on chemical and non chemical soil disinfestation, Corfu, 2004
- 5th International Strawberry Conference, Gold Coast, Australia 2004 (Invited)
- International Research Conference on Alternatives to Methyl Bromide and Emissions Reduction, San Diego, 2007
- 4th International Biofumigation Conference, Canberra (Invited opening keynote), 2008
- 8th International Conference of Plant Pathology, Torino, Italy, 2008 (Chairperson and Invited Keynote Address), 2008
- International Research Conference on Alternatives to Methyl Bromide and Emissions Reduction, San Diego, 2009
- Numerous keynote addresses at further international meetings from 2010 – 2020 (prior to COVID)

Other

- Montreal Protocol Meetings from 2005 -2021 (Twice yearly at least)
- Television programs on Foxtel 'Earth Watch' (every 3 months for 6 years from 1998 -2004 approx.) and National TV on ABC 'Countrywide', 'Sow What', Cross Country and regional stations. National radio programs 'Landline', Weekly Times and regional newspapers.

Referees

1. **Dr Jonathan Banks**
United Nations Methyl Bromide Technical Options Committee
Pialigo
Canberra,
Ph: (02) 62489228 Email: apples3@bigpond.com

2. **Mr George Weda**
Manager
Toolangi Strawberry Runner Growers
Toolangi
Victoria, Australia
Ph: 0418321704

3. **Dr George Lazarovits**
Head, Plant Pathology
Agriculture and Agrifood Canada
London, Ontario
Canada
Ph: 1-519-49421042 Email: larazovitsg@agr.gc.ca

APPENDIX I

BIBLIOGRAPHY

BIBLIOGRAPHY

REFEREED: BOOKS AND BOOK CHAPTERS

- Besri, M, Pizano, M. and Porter, I.J. (2012). Soil solarisation and the methyl bromide phase out. In '**Soil solarisation: Theory and Practice**'. Gamliel A and Katan, J. (Eds). Springer Publishing, New York 280pp.
- Porter, I.J. and Merriman, P.R. (1985). Evaluation of soil solarization for control of clubroot of crucifers and white rot of onions in south eastern Australia. P. 282-284. In: **Ecology and Management of Soilborne Plant Pathogens**. Eds. Parker *et al.*, American Phytopath. Soc. 358 pp.
- Porter, I.J. (1992). Soil solarization and biocontrol. In '**Recent Developments in Biocontrol of Plant Diseases**' Eds. K. Mukerji and K. Karg. Aditya Pub., New Dehli, India, pp. 164-186.
- Porter, I.J. and Mattner, S.W. (2006). Case Study 10. Australia – Phase-out of methyl bromide in the strawberry fruit industry. In MBTOC (Eds). United Nations Environment Programme 2006 Report of the Methyl Bromide Technical Options Committee. UNEP, Nairobi, Kenya. pp 374-378.
- Porter, I., Banks, J., Mattner, S. and Fraser, P. (2010). Global phaseout of methyl bromide under the Montreal Protocol: Implications for bioprotection, biosecurity and the ozone layer. In '**Recent Developments in Management of Plant Diseases**'. Gisi, U., Chet, I. and Gullino L. (Eds) Springer Publishing, New York . pp. 293-309.
- Porter, I. J. and Andersen, Stephen, S.O. (2010). Chinese Political, Social and Economic Leadership in Protection of the Ozone Layer, Climate and Biosecurity: A Montreal Protocol Case Study. In '**The Harmony of Civilizations and Prosperity for All – Commitments and Responsibilities for a Better World**'. Eds Cheng Yuzhui and Gu Xue, 2010, (Selected Papers of the Beijing Forum 2010), Peking University Press

REFEREED: SCIENTIFIC JOURNALS

- Allen, D., Zhang, P., Bui, J., Plozza, T., Porter, I. (2019). Effect of storage time on the concentration of free and bound smoke taint compounds in smoke affected wines. *Australian Journal of Grape and Wine Research* (In Press).
- Burgess, D., Porter, I.J. and Parberry, D. (1995). Relationship between sunflower development and the onset of stem rot induced by *Sclerotinia minor*. **Australian Journal of Experimental Agriculture** 35:87-92.
- Chellemi, D. and Porter, I. (2001). The role of plant pathology in understanding soil health and its implication for production agriculture. **Australasian Plant Pathology** 30: 103-109.
- Choi, H., Park, M.-K., Fraser, P. J., Park, H., Geum, S., Mühle, J., Kim, J., Porter, I., Salameh, P. K., Harth, C. M., Dunse, B. L., Krummel, P. B., Weiss, R. F., O'Doherty, S., Young, D., and Park, S.: Top-down and bottom-up estimates of anthropogenic methyl bromide emissions from eastern China, *Atmos. Chem. Phys. Discuss.* [preprint], <https://doi.org/10.5194/acp-2021-699>, in review, 2021.
- Clarke, R.G., Porter, I.J. and Woodroffe, M. (1993). Evaluation of sowing time of sunflowers on the incidence of sclerotinia stem rot (*Sclerotinia minor*). **Australasian Plant Pathology** 22, 8-13.
- Crous, P.W., Summerell, B.A., Alfenas, A.C. Edwards, J. Pascoe, I.G., Porter, I.J. and Groenewald, J. (2012). Genera of diaporthean coelomycetes associated with leaf spots of tree hosts. **Persoonia** 28, 66-75
- Crous PW, Groenewald JZ, Shivas RG, Edwards J, Seifert KA, Alfenas AC, Alfenas RF, Burgess TI, Carnegie AJ, Hardy GE StJ, Hiscock N, Huberli D, Jung T, Louis-Seize G, Okada G, Pereira OL, Stukely MJC, Wang W, White GP, Young AJ, McTaggart AR, Pascoe IG, Porter IJ, Quaedvlieg W. (2011). Fungal Planet description sheets: 69-91. **Persoonia** 26: 108-156.
- Clarke, R.G. and Porter, I.J. (1993) *Sclerotinia minor* - a pathogen of bathurst burr (*Xanthium spinosum*) **Australasian Plant Pathology** 3: 98-99.

- Donald, E.C., Porter, I.J. and Lancaster, R.A. (2001) Band incorporation of fluazinam (Shirlan) into soil to control clubroot of vegetable brassica crops. **Australian Journal of Experimental Agriculture** **41**: 1223-1226.
- Donald, E.C., Lawrence, J.M. and Porter, I.J. (2002) Evaluation of a fluorescent staining technique as an indicator of pathogenicity of resting spores of *Plasmodiophora brassicae*. **Australasian Plant Pathology** **31**: 373-379.
- Donald, EC, Porter, I.J and Lancaster, RA (2002). Strategic application of lime, fertilisers and fungicides for improved control of clubroot. **Cruciferae Newsletter** **24**, 81-82.
- Donald EC, Porter IJ, Faggian R and Lancaster RA (2005) An integrated approach to the control of clubroot in vegetable brassica crops. **Acta Horticulturae** **706**: 283-300.
- Donald EC, Cross SJ, Lawrence JM and Porter IJ (2005) Pathotypes of *Plasmodiophora brassicae*, the cause of clubroot, in Australia. **Annals of Applied Biology** **148**: 239-244.
- Donald EC, B. Czerniakowski, B. and I.J. Porter (2009). Mechanisms of resistance *Plasmodiophora brassicae* in *B. oleracea*. **Plant Pathology**
- Donald EC and Porter IJ (2004) A sand solution culture technique used to observe the effect of calcium and pH on root hair and cortical stages of infection by *Plasmodiophora brassicae*. **Australasian Plant Pathology** **33**, 585-589.
- Donald EC and Porter IJ (2009). Integrated control of clubroot. **Journal of Plant Growth Regulation**. **28**, 289-303
- Donald E. C, Porter I. J. (2014). Clubroot in Australia: the history and impact of *Plasmodiophora brassicae* in Brassica crops and research efforts directed towards its control. **Canadian Journal of Plant Pathology**. 2014 **36**: 66-84.
- Donald EC, Lawrence JM and Porter IJ (2004). Influence of particle size and application method on the efficacy of calcium cyanamide for control of clubroot of vegetable brassicas. **Crop Protection** **23**: 297-303.
- Donald EC, Lawrence JM, Porter IJ (2002). Evaluation of a fluorescent staining technique as an indicator of pathogenicity of resting spores of *Plasmodiophora brassicae*. **Australasian Plant Pathology** **31**, 373-379.
- Donald EC, Cross SJ, Lawrence JM and Porter IJ (2006). Pathotypes of *Plasmodiophora brassicae*, the cause of clubroot, in Australia. **Annals of Applied Biology** **148**: 239-244.
- Donald EC, Jaudzems G and Porter IJ, (2007). The pathology of cortical invasion by *Plasmodiophora brassicae* in clubroot resistant and susceptible *Brassica oleracea* hosts. **Plant Pathology** **57**: 201-209.
- Donald E.C, Porter I.J, Faggian R and Lancaster R.A (2006) An integrated approach to the control of clubroot in vegetable brassica crops. **Acta Horticulturae** **706**: 283-300.
- Donald EC, **Porter IJ** (2014). Clubroot in Australia: the history and impact of *Plasmodiophora brassicae* in Brassica crops and research efforts directed towards its control, **Canadian Journal of Plant Pathology**, **36**: 66-84.
- Edwards J, **Porter IJ**, Riches D, Oliver DP, Bramley RGV, Rawnsley B, White RE (2014). Choosing biological indicators for monitoring vineyard soil quality. *Wine and Viticulture Journal* March/April 48-51.
- Faggian R, Bulman SR., Lawrie AC and Porter IJ (1999a). Specific PCR primers for the detection of *Plasmodiophora brassicae* in soil and water. **Phytopathology** **89**: 392-397.
- Riches, D., Porter, I., Dingle, G., Gendall, A., Grover, S. (2020). Soil Greenhouse Gas Emissions from Australian Sporting Fields. **Science of the Total Environment**
- Mattner, S.W., Gounder, R.K., Mann, R.C., Porter, I.J., Matthiessen, J.N., Ren, Y.L. and Sawar, M. (2006). Ethane dinitrile (C₂N₂) – A novel soil fumigant for strawberry production. **Acta Horticulturae** **708**:197-204.
- Mattner, S.W., Porter, I.J., Gounder, R.K., Shanks, A.L., Wren, D.J., and Allen, D. (2008). Factors that impact on the ability of biofumigants to suppress fungal pathogens and weeds of strawberry. **Crop Protection** **27**: 1165-1173.
- Mattner, S.W., Porter, I.J., Gounder, R.K., Mann, R.C., Guijarro, B. and Williams, E.N. 2010. Maintaining biosecurity and market access in the Australian strawberry industry following methyl bromide phase-out. **Acta Hort.** **883**: 99-106.
- Mattner, S.W., Porter, I.J., Falco J. and Grullemans, W.(2014). Recaptured Quarantine Methyl Bromide: An

- Alternative to Methyl Bromide for Soil Disinfestation. **Acta Horticulturae**: (In Press)
- Mattner, S.W., M. Milinkovic, P.R. Merriman, I.J. Porter (2014). Critical Challenges for the Phase-out of Methyl Bromide in the Australian Strawberry Industry. **Acta Horticulturae**: (In Press)
- Mattner, S.W., Wite, D., Riches, D., Porter, I.J. (2013). The effect of kelp seedling extract on seedling establishment of broccoli on contrasting soil types in southern Victoria, Australia *Biological Agriculture & Horticulture* 29:258-270.
- McLean, K., Hunt, J.S., Stewart, A., Wite, D., Porter, I.J. and Villalta, O. (2012). Compatibility of a *Trichoderma aureoviride* biocontrol agent with management practices of *Allium* crops. **Crop Protection** 33: 94-100.
- McMaster CA, Plummer KM, Porter IJ, Donald EC (2013). Antimicrobial activity of essential oils and pure oil compounds against soilborne pathogens of vegetables. **Australasian Plant Pathology** 2013. <http://link.springer.com/article/10.1007%2Fs13313-013-0216-0>
- Murray, D.R. and Porter, I.J. (1980). A comparative electrophoretic study of the seed albumins from *Sophora microphylla* and *Pisum sativum* (Leguminosae). **Plant Systematics and Evolution**, 134:207-214.
- O'Halloran, N., Fisher, P., Porter, I., Mattner, S. and Brett, R. (2014). Organic amendments necessitate a trade-off between building organic carbon and supplying crop nitrogen. **Acta Hort.** (ISHS) 1018:335-342 http://www.actahort.org/books/1018/1018_35.htm
- Oliver, D., D. Riches, I. Porter, J. Edwards, B. Rawnsley and Bramley, R.G.V (2013). A review of soil physical and chemical properties as indicators of soil quality in Australian viticulture **Australian Journal of Grape and Wine Research** 19(1): 129-139
- Pascoe I., Ziehl, A. and Porter, I. (1995) Elsinoe scab: Incidence and economic impact on Proteaceae. **Australian Horticulture**, 93: 47-48
- Porter, I.J. (1986). Integration of soil solarization with the hyperparasitic fungus, *Coniothyrium minitans*, for control of *Sclerotinia minor* on lettuce. **Canadian Journal of Plant Pathology**. 8, 353.
- Porter, I.J. (1986). Integration of soil solarization with low rates of dazomet for disease control in Victoria. **Canadian Journal of Plant Pathology** 8:353
- Porter, I.J. (1987). Soil solarization for disease and weed control. **Plant Protection Quarterly** 2: 97-98.
- Porter, I.J. (1994). *S. minor* on sunflowers. In '**Compendium of sunflower diseases**' American Phytopathological Society, St Paul, Minnesota
- Porter, I.J. (1991). Factors which influence the effectiveness of solarization for control of soilborne fungal pathogens in south eastern Australia. PhD Thesis, Latrobe University, Melbourne, Australia, 268 pp.
- Porter, IJ (2016). What is Driving Industry Tipping Points from Open Field to Hydroponics . **Acta Horticulturae** (In Press)
- Porter, I.J., Banks, J., Mattner, S.W., and P. Fraser (2010). Implications of the phase out of methyl bromide on crop protection, biosecurity and the ozone layer. **Acta Horticulturae**
- Porter I and Brett R (1997) IPM strategies for control of sclerotium rot in the Australian flower industry. **Case Study**: United States, EPA. April, 1997
- Porter IJ, Brett RW, Wiseman BM (1999) Alternatives to methyl bromide: chemical fumigants or integrated pest management systems? **Australasian Plant Pathology** 28: 65–71
- Porter IJ., Brett, RW., Mattner SW. and Donohoe, H. E. (2006). Implications of the increased growth response after fumigation on future crop protection and crop production strategies. **Acta Horticulturae** 698:229 - 237.
- Porter IJ, Donald EC and Cross SJ (1998). Field evaluation of fluazinam against clubroot (*Plasmodiophora brassicae*) of cruciferous vegetable crops. Tests of Agrochemicals and Cultivars No. 19, (**Annals of Applied Biology** 132, Supplement), pp. 12-13.
- Porter, I., Fraser, P. (2020). Progress and remaining challenges with the phase out of methyl bromide under the Montreal Protocol. IXth International Soil and Substrate Disinfestation Conference, 9, -13th September, 2018 Heraklion, Crete. **Acta Horticulturae**
- Porter, I.J., Mattner, S.W., Banks, J. and P., Fraser. (2006). Impact of global methyl bromide phase-out on the sustainability of strawberry industries. **Acta Horticulturae** 708:179 - 186.

- Porter, I.J., Mattner, S.W., Mann, R.C. and Gounder, R.K. (2006). Strawberry nurseries: Summaries of alternatives and trials in different geographic regions. **Acta Horticulturae** 708:187 - 192.
- Porter, I.J., Maughan, J.P. and Towers G.B. (1991). Evaluation of seed, stem and soil applications of procymidone to control onion white rot (*Sclerotium cepivorum* Berk.) of onions. **Australian Journal of Experimental Agriculture** 31, 401-406.
- Porter, I.J. and Merriman, P.R. (1983). Effects of solarization of soil on nematode and fungal pathogens at two sites in Victoria. **Soil Biology and Biochemistry**, 15: 39-44.
- Porter I.J. and Merriman, P.R. (1985). Evaluation of soil solarization for control of root diseases of row crops in Victoria. **Plant Pathology** 34, 108-118.
- Porter, I.J., Merriman P.R. and Keane P.J. (1989). Integrated control of pink root (*Pyrenochaeta terrestris*) of onions by dazomet and soil solarization. **Australian Journal of Agricultural Research** 40: 861-869
- Porter, I., Riches, D., Scheer, C. (2017) Benchmarking and mitigation of nitrous oxide emissions from manures and fertilisers used in temperate vegetable crops in Australia. Soil Research, (In Press).**
- Riches D., I. Porter, D. P. Oliver, R.G.V. Bramley, B. Rawnsley, J. Edwards and R. E. White (2013). A review of soil biological properties as indicators for soil quality in Australian viticulture, **Australian Journal of Grape and Wine Research** 19:311-323.
- Riches, D., Porter, I., Dingle, G., Gendall, A., Grover, S. (2020). Soil Greenhouse Gas Emissions from Australian Sporting Fields. *Science of the Total Environment*
- Riches DA, Mattner SW, Davies R and **Porter IJ** (2016). Mitigation of nitrous oxide emissions with nitrification inhibitors in temperate vegetable cropping in southern Australia. *Soil Research* 53:533-543. <http://dx.doi.org/10.1071/SR15320>
- Scheer, C., Rowlings, D., Firrell, M., Deuter, P., Morris, S., Riches, D., **Porter, I.,** Grace, P. (2017). Nitrification inhibitors can increase post-harvest nitrous oxide emissions in an intensive vegetable production system. *Scientific Reports* 7, No: 43677 doi:10.1038/srep43677
- Villalta ON, Wite D, Hunt J, Stewart A, Porter IJ (2012). Biological control of *Sclerotinia minor* on lettuce using *Trichoderma* and *Coniothyrium* species., ISHS 2012, Proc. IS on Veg. Prod., Qual. and Process Standardization in Chain. Eds: Hongju He and Wei Liu. **Acta Horticulture** 944 p51-58
- Villalta ON, Wite D, Porter IJ, McLean KL, Stewart A, Hunt J (2012). Integrated control of onion white rot on spring onions using diallyl disulphide, fungicides and biocontrols., ISHS 2012, Proc. IS on Veg. Prod., Qual. and Process Standardization in Chain. Eds: Hongju He and Wei Liu., **Acta Horticulture. 944, pp 63-71.**
- Villalta O, Wite D, Riches D, Guiano J, Chandolu V, Scoble C, Donald, C, Porter I, Matter S (2016). The concentration of 2-propenyl glucosinolate in biofumigant crops influences their antifungal activity (in-vitro) against soilborne pathogens. *Journal Agricultural Chemistry and Environment*, 5:38-45
- Wite D., Mattner S.W., Donald E.C., Porter I.J., Arioli T. (2014). The suppressive effect of a commercial extract from *Durvillaea potatorum* and *Ascophyllum nodosum* on infection of broccoli by *Plasmodiophora brassicae*. *J. of Applied Phycology* 27(5): 2157–2161. doi: 10.1007/s10811-015-0564-y
- Ziehrl, A., Pascoe, I. & Porter, I (1995) Elsinoe scab disease and the Australian Protea Industry. **Journal of the International Protea Association** 30:28-32.
- Ziehrl, A., Pascoe, I. & Porter, I. (1996) Elsinoe scab on South African Proteaceae: research in Australia. **Australian Horticulture** 94:58-61.
2. United Nations International Reports which Influence Global Policy under the Montreal Protocol: (As a cochair have led 38 international scientists to phase out 98% of methyl bromide, one of the largest chemicals used in agriculture last century and a major ozone depleting product. This has led to 35% of present recovery of the ozone layer).
- Note: Anon publications written by MBTOC cochair (Porter I, Pizano, M, Besri, M, and some with Banks J, Marcotte M) and CUN reports written by the cochair as indicated
- Anon (1998). 1998 Report of the Methyl Bromide Technical Options Committee. 1998 Assessment of Methyl Bromide Alternatives, United Nations Environment Program. 350pp.

- Anon (2000). Report of the Methyl Bromide Technical Options Committee. 2000 Assessment of Methyl Bromide Alternatives, United Nations Environment Program. 80pp.
- Anon (2002). 2002 Report of the Methyl Bromide Technical Options Committee (MBTOC), United Nations Environment Program, Nairobi, Kenya 437pp.
- Anon (2003). Progress Report of the Technology and Economic Assessment Panel (TEAP). 174 pp. United Nations Environment Program
- Anon (2005). TEAP Progress Report 2005. United Nations Environment Program, Nairobi, Kenya 317pp.
- Anon (2005). Handbook on critical use nominations for methyl bromide 2005. United Nations Environment Program, Nairobi, Kenya 317pp.
- Anon (2006). Report of the TEAP - Progress Report 2006. United Nations Environment Program, Nairobi, Kenya 245pp.
- Anon (2006). 2006 Assessment Report of the Technical and Economic Assessment Panel United Nations Environment Program, Nairobi, Kenya 156pp.
- Anon (2007). Report of the TEAP - Progress report 2007. United Nations Environment Program, Nairobi, Kenya 206pp.
- Anon (2008). Report of the TEAP - Progress report 2008 Volume 1. United Nations Environment Program, Nairobi, Kenya 253 pp.
- Anon (2009). Report of the TEAP – May 2009 Progress report Volume 1. United Nations Environment Program, Nairobi, Kenya 341 pp.
- Anon (2009). Report of TEAP Quarantine and Preshipment Taskforce – Final Report October 2009, United Nations Environment Program, Nairobi, Kenya 199pp.
- Anon (2010) Report of the TEAP – May 2010 Progress report 2010 Volume 2. United Nations Environment Program, Nairobi, Kenya 279 pp.
- Anon (2011). Report of the TEAP – June 2011 Progress report 2011 Volume 2. United Nations Environment Program, Nairobi, Kenya.
- Anon (2012). Report of the TEAP – May 2012 Progress report 2011 Volume 1. United Nations Environment Program, Nairobi, Kenya.
- Anon (2013). Report of the TEAP – May 2013 Progress report 2011 Volume 1. United Nations Environment Program, Nairobi, Kenya.
- Anon (2014). Report of the TEAP (Vol 1) – Progress report 2014 United Nations Environment Program, Nairobi, Kenya.
- Anon (2015). Report of the TEAP (Vol 1) – May 2015 Progress report 2015 Volume 1. United Nations Environment Program, Nairobi, Kenya.
- Anon (2016). Report of the TEAP (Vol 1) – June 2016 Progress report 2016 Volume 1. United Nations Environment Program, Nairobi, Kenya.
- Anon (2017). Report of the TEAP (Vol 1) – June 2017 Progress report 2016 Volume 1. United Nations Environment Program, Nairobi, Kenya.
- Marcotte M, Banks J, Porter I, Pizano M and Besri M (2007). Evaluations of the 2007 critical Use Nominations for Methyl Bromide and Related Matters. United Nations Environment Program Report. Nairobi Final Report 96pp.
- Pizano M, Porter I, Besri M, Marcotte M, Banks J (2006) 2006 Assessment Report of the Methyl Bromide Technical Options Committee (MBTOC), United Nations Environment Program, Nairobi, Kenya 437pp.
- Pizano M, Porter I, Besri M and Marcotte M (2008). Evaluations of the 2008 Critical Use Nominations for Methyl Bromide and Related Matters. United Nations Environment Program Report. Nairobi Final Report 111pp.
- Porter I, Pizano M, Besri M and Marcotte M (2006). Evaluations of the 2006 Critical Use Nominations for Methyl Bromide and Related Matters. Final Report United Nations Environment Program Report. Nairobi 130pp.

- Porter I, Pizano M, Besri M and Marcotte M (2009). Evaluations of the 2009 Critical Use Nominations for Methyl Bromide and Related Matters. Final Report United Nations Environment Program Report. Nairobi 110pp.
- Porter I, Besri M, Marcotte M and Pizano M (2010). Evaluations of the 2010 Critical Use Nominations for Methyl Bromide and Related Matters. Final Report United Nations Environment Program Report. Nairobi 85pp.
- Pizano M, Porter I, Besri M (2010) 2010 Assessment Report of the Methyl Bromide Technical Options Committee (MBTOC), United Nations Environment Program, Nairobi, Kenya 437pp.
- Porter I, Besri M, Marcotte M and Pizano M (2011). Evaluations of the 2011 Critical Use Nominations for Methyl Bromide and Related Matters. Final Report United Nations Environment Program Report. Nairobi 74pp.
- Porter I, Besri M, Marcotte M and Pizano M (2012). Evaluations of the 2012 Critical Use Nominations for Methyl Bromide and Related Matters. Final Report United Nations Environment Program Report. Nairobi 83pp.
- Porter I, Pizano M, Besri M, Marcotte M (2013). Evaluation of Critical Use Nominations for Methyl Bromide and Related Matters – Interim Report. TEAP Progress Report May 2013 - Volume 1: Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya (101-143 pp).
- Porter I, Pizano M, Besri M, Marcotte M. (2013). Evaluation of the 2013 Critical Use Nominations and Related Matters – Final report. Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya (49pp.).
- Pizano M, Porter I, Besri M (2014). 2014 Assessment Report of the Methyl Bromide Technical Options Committee (MBTOC). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya 276pp.
- Porter I, Pizano M, Besri M (2014). TEAP May 2014 - Critical Use Nominations Report (Vol. 3). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya, 56 pp.
- Porter I, Pizano M, Besri M (2014). Final Evaluation of the 2014 Critical Use Nominations for Methyl Bromide and Related Matters. Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya, 59pp.
- Porter I, Pizano M, Besri M (2015). Interim Evaluation of the 2015 Critical Use Nominations and Related Matters. Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya (59 pp.).
- Porter I, Pizano, M. Besri, M. (2015). Final Evaluation of the 2015 Critical Use Nominations and Related Matters. Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya (59 pp.).
- Porter I, Pizano, M. Besri, M. (2016). Evaluation of the 2016 Critical Use Nominations for Methyl Bromide and Related Matters - Interim Report. Report of the Technology and Economic Assessment Panel (Vol. 2). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya, 57 pp.
- Porter I, Pizano, M. Besri, M. (2016). Evaluation of the 2016 Critical Use Nominations for Methyl Bromide and Related Matters - Final report. Report of the Technology and Economic Assessment Panel (Vol 3). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya, 58 pp.
- Porter I, Pizano, M. Besri, M. (2017). Evaluation of the 2017 Critical Use Nominations for Methyl Bromide and Related Matters - Interim Report. Report of the Technology and Economic Assessment Panel (Vol. 1). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya, 64 pp.
- Porter I, Pizano, M. Besri, M. (2017). Evaluation of the 2017 Critical Use Nominations for Methyl Bromide and Related Matters - Final report. Report of the Technology and Economic Assessment Panel (Vol 2). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya, 69 pp.
- Porter I, Pizano, M. (2018). Evaluation of the 2018 Critical Use Nominations for Methyl Bromide and Related Matters - Interim Report. Report of the Technology and Economic Assessment Panel (Vol. 1). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya,.
- Porter I, Pizano, M. (2018). Evaluation of the 2018 Critical Use Nominations for Methyl Bromide and Related Matters - Final report. Report of the Technology and Economic Assessment Panel (Vol 2). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya
- Anon (2019). Report of the TEAP (Vol 1) – May 2019 MBTOC Progress report 2019 Volume 1. United Nations Environment Program, Nairobi, Kenya.
- Porter I, Pizano (2019). Interim Evaluation of the 2019 Critical Use Nominations and Related Matters. Montreal Protocol on Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya (59 pp.).

Porter I, Pizano, (2019). Evaluation of the 2019 Critical Use Nominations and Related Matters. Final report. Report of the Technology and Economic Assessment Panel (Vol 2). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya, 52 pp.

Anon (2020). Report of the TEAP (Vol 1) – May 2020 MBTOC Progress report 2019 Volume 1. United Nations Environment Program, Nairobi, Kenya.

Porter I, Pizano (2020). Interim Evaluation of the 2020 Critical Use Nominations and Related Matters. Montreal Protocol on Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya.

Porter I, Pizano, (2020). Evaluation of the 2020 Critical Use Nominations and Related Matters. Final report. Report of the Technology and Economic Assessment Panel (Vol 2). Montreal Protocol On Substances that Deplete the Ozone Layer, UNEP, Nairobi, Kenya.

Continued further reports from 2020-2021 including assistance with the Destruction Taskforce reports

NATIONAL TECHNICAL REPORTS:

Edwards, J, Perrone, S.T, Dawson, K., Gardner, R. deBoer, R.F. and Porter, I. J. (2006). Pest-specific contingency plan for late blight of potato (*Phytophthora infestans* A2 mating type and exotic strains of A1 mating type). Department of Primary Industries, Victoria. 166pp.

Fraser, P. Dunse, and Porter (2004). Australia and Port Phillip methyl bromide emissions. CSIRO Report. CSIRO Atmospheric Research, Aspendale, Victoria

Fraser, P. Dunse, B., Coram, S. and Porter, I. (2005). Specific Australian methyl bromide source sectors - soil fumigation, transport and bushfires. CSIRO Report. CSIRO Atmospheric Research, Aspendale, Victoria

Smith, G., Cadman, R. and Porter, I. (2005). SITUATION ANALYSIS: Potential for new intensive closed horticultural production systems in the Victorian greenhouse industry. Department of Primary Industries, Victoria. 85pp.

CONFERENCE PROCEEDINGS

Ian Porter, David Riches and David Kanter (2021). Mitigation of nitrous oxide emissions from horticultural crops and implications for the Montreal Protocol. International Nitrogen Conference, Berlin, Germany 3-6 May, 2020 (Deferred till 2021) Presented in May, 2021

David Riches, Ian Porter, Johannes Biala, Wendy Quale, Daniele De Rosa, David Rowlings (2021). Improving organic amendment use in Australian vegetable production. International Nitrogen Conference, Berlin, Germany 3-6 May, 2020 (Deferred till 2021) Presented in May, 2021

Johannes Biala, David Rowlings, Daniele De Rosa, Ian Porter, David Riches, Wendy Quayle (2021). The Circular Economy for Organics as a new paradigm for improving NUE from organic soil amendments. International Nitrogen Conference, Berlin, Germany 3-6 May, 2020 (Deferred till 2021) Presented in May, 2021

Bianco, V., Donohoe, H., Mattner S. and Porter, I. (2002). Biofumigants suppress fungal pathogens and weeds of strawberry. (in press). Proceedings of the International Conference on Alternatives to Methyl Bromide. March 2002. Sevilla, Spain.

Bianco V, Mattner SW, Nicholls JW, Allen D, Porter IJ, Shanks AL (2001). Factors that influence the ability of biofumigants to suppress fungal pathogens of strawberry. In 'Proceedings of the Second Australasian Soilborne Diseases Conference'. Lorne, Australia. pp 146-147.

Bianco V, Nicholls J, Mattner S, Allen D, Porter I (2000). Biofumigation in Australian Horticulture: An integrated approach to MB replacement. In 'Annual International Research Conference on MB Alternatives and Emissions Reductions', Orlando, USA. 18: 1-4.

Brett R and Porter I (1997). Can the bulb industry survive without methyl bromide? In 'Annual International Conference on Methyl Bromide Alternatives and Emissions Reduction'. Orlando, USA. p. 98a+b.

Brett, R. Porter, I., and Mapson, R (2002). Microflora and nutrient changes after fumigation. pp343, *Proceedings of the International Conference on Alternatives to Methyl Bromide* Sevilla, Spain

- Burgess, D.R., Porter, I.J. and Parberry, D.G. (1992). Sclerotinia stem rot of sunflowers: Timing of disease. Proc. 9th Australian Sunflower Association Conference, 27-29 April, 1992, Yeppoon, Queensland, pp. 73-76.
- Burgess, D.R. and Porter, I.J. (1993). Control of sclerotinia stem rot of sunflowers with *Gliocladium virens*. Proc. 6th Int Congress of Plant Pathology, 28 July - 6 August, 1993, Montreal, Canada.
- Clarke, R.G., Porter, I.J. and Woodroffe, M. (1990). Potential strategies for control of sclerotinia stem rot in sunflowers Proc. 8th. Australian Sunflower Asssocation Workshop, 20-21 March, 1990, Kooralbyn, Queensland. pp. 141-145.
- Clarke, R.G., Porter, I.J. and Woodroffe, M. (1992). Potential strategies for control of sclerotinia stem rot (*Sclerotinia minor*) and yield of sunflowers. Proc. 9th Australian Sunflower Association Conference, 27-29 April, 1992, Yeppoon, Queensland. 1992
- Cross, S., Porter, I., Asirifi, N. and Morgan, W. (1994). Clubroot and the Victorian Brassica Industry. Proceedings of the ISHS Symposium on Brassicas/Ninth Crucifer Genetics Workshop, Lisbon, Portugal, 15-18 November, 1994.
- Donald, E. C., Lancaster, R.A. and Porter, I.J. (2003). A novel method of application improves the control of clubroot in vegetable brassica crops. (Abstract). International Congress of Plant Pathology. Christchurch NZ Feb 2003 Vol. 2 p271.
- Donald, E.C. Lawrence, J.M. and Porter, I.J. (2003). Commercial disinfectants fail to kill resting spores of *P. brassicae*. (Abstract) International Congress of Plant Pathology. Christchurch NZ Feb 2003. Vol. 2 P 65.
- Donald EC, Porter IJ, Faggian R and Lancaster RA (2004) An integrated approach to the control of clubroot in vegetable brassica crops. 4th ISHS International Symposium on Brassicas, Daejeon, South Korea. p. 88 (abstract).
- Donald C, Czerniakowski B, Jaudzems G and Porter I. (2004). The interaction of *Plasmodiophora brassicae* with resistant and susceptible *Brassica oleracea* hosts. 4th ISHS International Symposium on Brassicas, Daejeon, South Korea. p. 141 (abstract).
- Donohoe, H., Mattner, S., Brett, R., Bianco, V., Shanks, A., Gounder, R., and I., Porter. (2001). Status of methyl bromide phase-out in the temperate Australian strawberry industry. p 44:1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November 2001. San Diego, California, USA.
- Faggian, R, Parsons, S, Donald, E.C., Lawrie, A.C. and Porter, I.J. (2003). Molecular detection and quantification of *P. brassicae*. (2003) (Abstract). International Congress of Plant Pathology. Christchurch NZ Feb 2003 Vol. 2 p82.
- Fraser, P., Park, S., Park, M.-K, Dunse, B., Krummel, P., Porter, I. and Rigby, M. (2019). 60th Meeting of Agage Scientists and Cooperating Networks, Institution of Oceanography, La Jolla, Ca, USA, 2-6 December 2019.
- Gounder, R.K., Mattner, S.W., Porter, I.J. (2003) Effect of fosetyl-Al as a pre-plant dip for controlling *Phytophthora cactorum* in strawberries. Proc of the 1st Trans-Tasman Berryfruit Conference, Auckland NZ,
- Gounder, R.K., Mattner, S.W., Mann, R.C., Trinder, L.E., and I.J. Porter (2007). Isolation of plant growth promoting bacteria from fumigated soils. p 127. In Proceedings of the 16th Biennial Australasian Plant Pathology Society Conference. September, 2007. Adelaide, SA.
- Gounder, R.K., Mattner, S.W., Porter, I.J., Shanks, A.L., Wren, D.J., and D. Allen (2005). The impact of biofumigants on pathogens of strawberry. p 176. In Proceedings of the 15th Biennial Australasian Plant Pathology Society Conference. September, 2005. Geelong, Vic.
- Gross, R.W. and Porter, I.J. (1993). Strategies to reduce sclerotium rot of flower bulbs. Proc. 9th Biennial Conf. Aust. Plant Path. Soc., 4-8 July, Hobart, Tasmania.
- Mann, R.C., Mattner, S.W., Gounder, R.K., and Porter, I.J. (2007). Novel applications of soil fumigants in protected horticulture. p 112. In Proceedings of the 16th Biennial Australasian Plant Pathology Society Conference. September, 2007. Adelaide, SA.
- Mann, R.C., Mattner, S.W., Gounder, R.K., Brett, R.W. and I.J. Porter. (2005). Evaluating soil fumigants for Australian horticulture. p 34: 1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November, 2005. San Diego, USA.

- Mann, R.C., Mattner, S.W., Gounder, R.K., and I.J. Porter. (2007). Drip fumigation of iodomethane in the Australian protected horticulture industry. p 122:1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November, 2007. San Diego, USA.
- Mann, R.C., Mattner, S.W., Gounder, R.K., and I.J. Porter. (2007). Iodomethane offers opportunities for methyl bromide phase out and soil disinfestations in Australia. p 77:1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November, 2007. San Diego, USA.
- Mann, R.C., Mattner, S.W., Gounder, R.K., Porter, I.J., and D. Allen. (2005). Movement and efficacy of iodomethane in Australian soils. p 325. In Proceedings of the 15th Biennial Australasian Plant Pathology Society Conference. September, 2005. Geelong, Vic.
- Mann, R.C., Mattner, S.W., Gounder, R.K., Wren, D., and I.J. Porter (2007). Bioprospecting for endophytes with mycofumigant potential from Australian native flora. p 123:1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November, 2007. San Diego, USA.
- Mann, R.C., Mattner, S.W., Porter, I.J., and D. Allen. (2008). Bioprospecting for endophytes from Australian flora with mycofumigation potential. p 78. In Proceedings of the Third International Biofumigation Symposium. July 2008. Canberra, ACT.
- Mattner, S.W., Bianco, V., Donohoe, H.E., Shanks, A.L., and I.J. Porter (2001). Biofumigation in perspective. p 87-88. In Proceedings of the 11th National Berryfruit Conference. May 2001. Ballarat, VIC.
- Mattner, S.W., Brett, R.W., Donohoe, H.E., Gounder, R.K., Porter, I.J. (2003). The impact of biological changes in the soil and rhizosphere on plant growth. Proc. of the 1st Trans-Tasman Berryfruit Conference, Auckland NZ
- Mattner SW, Donohoe HE, Porter IJ, Nicholls JW, Hallam ND, Shanks AL, (2001). Impact of soil fumigation on yield, disease and the rhizoplane organisms of strawberry. In 'Proceedings of the Second Australasian Soilborne Diseases Conference'. Lorne, Australia. pp. 81-82.
- Mattner, S.W., Gounder, R.K., and I.J. Porter. 2008. Biofumigation against soilborne pathogens and weeds of strawberry. p 63. In Proceedings of the Third International Biofumigation Symposium. July 2008. Canberra, ACT.
- Mattner, S.W., Gregorio, R., Ren, Y.L., Hyland, T.W., Gounder, R.K., Sarwar, M., and I.J. Porter (2003). Application techniques influence the efficacy of ethanedinitrile (C₂N₂) for soil disinfestation. p 127: 1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November 2003. San Diego USA.
- Mattner, S.W., Mann, R.C., Gounder, R.K., Ren, Y.L., Sarwar, M., Matthiessen, J.N., Brett, R.W., Shanks, A.L. and I.J. Porter (2004). Ethanedinitrile and iodomethane – Promising new fumigants in Australian horticulture. p 43-44. In Proceedings of the 3rd Australasian Soilborne Diseases Symposium. February 2004. Rowland Flat, SA.
- Mattner, S.W., Mann, R.C., Allen, D., Porter, I.J., and J. Edwards (2008). Bioprospecting for allelopathic endophytes from native flora with mycofumigation potential. p 29. In Proceedings of the Fifth World Congress on Allelopathy. September, 2008. Saratoga Springs, NY, USA.
- Mattner, S.W., Porter, I.J., Gounder, R.K., Mann, R.C., and P. Fraser (2007). Phase-out and emission control of methyl bromide in the Australian strawberry industry. p 9. In Proceedings of the 6th North American Strawberry Symposium. February, 2007. Ventura, USA.
- Mattner, S.W., Porter I.J., Gounder, R.K., and A.L. Shanks (2003). Phytotoxicity and plantback – Critical issues in the Australian strawberry industry. p 41:1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November, 2003. San Diego, USA.
- Mattner, S.W., Porter, I.J., Gounder, R.K., and D. Allen (2008). Brassica allelopathy against soilborne pathogens and weeds of strawberry. p 62. In Proceedings of the Fifth World Congress on Allelopathy. September, 2008. Saratoga Springs, NY, USA.
- Mattner, S.W., Porter, I.J., Gounder, R.K., and R.C. Mann (2007). Factors that impact on the ability of biofumigants to suppress fungal pathogens and weeds of strawberry. p 19. In Proceedings of the 6th North American Strawberry Symposium. February, 2007. Ventura, USA.
- Mattner SW, Shanks AL, Porter IJ (1999). Integrated pest management in strawberry runner production. In 'Tenth National Berryfruit Conference Proceedings'. Sunshine Coast, Australia.

- Mattner SW, Shanks AL, Porter IJ (1999) Problems with strawberry establishment after soil fumigation? Could plant-back be a factor? Poster presentation, Tenth National Berryfruit Conference. Sunshine Coast, Australia.
- Mattner, S.W., Wite, D.A., Baxter, G.G., Hayes, G.A., Mann, R.C., and I.J. Porter (2007). Disinfestation of expanded-polystyrene seedling trays in the Australian tobacco industry. p 82:1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November, 2007. San Diego, USA.
- Mattner, S.W., Wite, D.A., Baxter, G.G., Holmes, R.J., Hayes, G.A., and I.J. Porter. 2007. Integrated disinfestations of EPS-trays using washing practices and solarization. p 125:1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November, 2007. San Diego, USA.
- Merriman, P.R., Porter, I.J. and Towers, G.B. (1983). Variable effects of diallyl disulphide on *Sclerotium cepivorum* and white rot in dry bulb onions. Proc. 4th Int. Congress of Plant Pathology, August 17-24, 1983, Melbourne, Australia.
- Metcalf, D.A., Doyle, R.E., Archer, S.C., Donald, C and Porter, I (2003). Management of clubroot in red ferrosols in northwestern Tasmania. (Abstract). International Congress of Plant Pathology. Christchurch NZ Feb 2003 Vol. 2 p134
- Nicholls JW, Bianco V, Allen D, Porter IJ (1999). Relative concentration of isothiocyanates in water and in soil and the implications for soilborne pathogen control. In 'Proceedings 10th International Rapeseed Congress – New Horizons for an Old Crop', Canberra, Australia. (CD-Rom Publication). 5 pp.
- Nicholls JW, Bianco V, Allen D, Porter IJ (1999) Glucosinolate-derived isothiocyanates in soil: A tool to gauge the potential of biofumigation. In '12th Australasian Plant Pathology Conference', Canberra, Australia. p. 314.
- Nicholls JW, Bianco V, Porter, IJ, Allen D (1999). Application technologies for methyl bromide alternatives. In 'Proceedings 1st Australasian Soilborne Diseases Symposium'. Brisbane, Australia. pp 172–173.
- Porter, I.J. (1982). Effects of solarization on *Sclerotinia* spp. at two sites in Victoria. Proc. National Sclerotinia Workshop, Hobart, Tasmania, March 1982.
- Porter, I.J. (1983). Soil solarization in Victoria for control of white rot in onions caused by *Sclerotium cepivorum*. Proc. 2nd Int. Workshop on Allium White Rot. June 22-24, 1983, Beltsville, Maryland, U.S.A.
- Porter, I.J. (1983). Practical evaluation of solarization for disease control of *Fusarium* Wilt in watermelons and carnations in Victoria. Proc. 5th Int. Fusarium Workshop. August 8-12, 1983. Sydney. Australia.
- Porter, I.J. (1983). Solarization of soil for control of root disease of row crops in Victoria. Proc. 4th Int. Congress of Plant Pathology. August 17-24, 1983, Melbourne, Australia.
- Porter, I.J. (1986). Control of *Sclerotinia minor* on lettuce by integration of soil solarization, chemical treatments and the hyperparasitic fungus, *Coniothyrium minitans*. Proc. Sixth N. American Sclerotinia Conference. July 31-August 3, Saskatoon, Saskatchewan, Canada.
- Porter, I.J. (1986). Evaluation of procymidone, applied as either a seed treatment or banded with fertilizer, on white rot of dry bulb onions in Victoria. Proc. 3rd Int. Workshop on Allium White Rot. September 17-19, NVRS, Wellesbourne, UK.
- Porter, I.J. (1987). Procymidone, applied in fertilizer bands, reduces onion white rot in Victoria. Proc. 6th Aust. Plant Path. Conf. May 11-15, Adelaide, Australia.
- Porter, I.J. (1988) Evaluation of physical, chemical and biological methods for control of sclerotial pathogens in Australia. Proc. Sclerotinia Workshop at 5th Int. Congress of Plant Pathology, August 20-27, Kyoto, Japan.
- Porter I.J. (1989) Onion white rot: How best to control it? Proc. 7th Aust. Plant Path. Soc. Conf., July 3-7, Brisbane, Australia. p 159.
- Porter, I.J. (1990). Improved methods of applying procymidone to control onion white rot (*Sclerotium cepivorum*) of onions in Victoria, Australia. Proc. Fourth Int. Workshop on Allium White Rot. Lands-Letr-und Forschungsanstalt Fur Landwirtschaft Weinbau und Gartenbau, (UND), pp.108-114.
- Porter, I.J. (1990). Advances in the biocontrol of sunflower diseases. Proc. 8th. Australian Sunflower Asssocation Workshop, 20-21 March, 1990, Kooralbyn, Queensland pp. 50-61
- Porter, I. (1993). Soil solarisation in Australia in perspective. Proc. 6th Int Congress of Plant Pathology, 28 July - 6 August, 1993, Montreal, Canada.

- Porter IJ (2000) Soil fumigants – What’s next. In 'Proceedings of the Millennium Turfgrass Conference'. Melbourne, Australia.
- Porter, I.J. (2003) Challenges for Food Production in the 21st Century, Proc. of the 2nd Australian Horticulture Greenhouse Conference, July 30-August 2, Melbourne, Australia
- Porter, I., Banks, J., Anderson, S., Mattner, S., and P. Fraser. 2007. Phase out of methyl bromide: Implications for the ozone layer, bioprotection, biosecurity and climate change. p 100. In Proceedings of the 16th Biennial Australasian Plant Pathology Society Conference. September, 2007. Adelaide, SA.
- Porter, I., Banks, J., Mattner, S., and P. Fraser. (2007). Global phaseout of methyl bromide under the Montreal Protocol: Implications for the ozone layer, bioprotection and biosecurity. Proc 9th Int Conf of Plant Pathology, August 24-28th, 2008, Torino, Italy
- Porter, I.J., Brett, R.W., Wiseman, B.M. and Merriman, P.R. (1996). Successful alternative strategies to methyl bromide for soil disinfestation in horticultural industries in Australia. Proc. Third International Conference on Alternatives to Methyl Bromide and Emissions Reduction, Orlando, Florida, 4-7 November, 1996
- Porter, I., Brett, R., Mattner, S., Bianco, V., and Donohoe, H. (2003) The methyl bromide phaseout effects on plant pathology, soil health and biodiversity, and plant production systems. p 329. Proceedings of the 8th International Congress of Plant Pathology, Christchurch, NZ.
- Porter IJ, Brett RW (1999) Impact of the Methyl Bromide Phase-out on Future Strategies for Control of Soilborne Pathogens in Horticultural Crops. In 'APPS 12th Biennial Conference Handbook'. Canberra, Australia. pp. 267.
- Porter IJ, Brett RW Mapson R (2000) Methyl Bromide Phase Out: Impact on the Ozone Layer and the Floricultural Industry in Australia. In 'Proceedings of The First Australian Flower Conference'. Tumbi Umbi, Australia.
- Porter IJ, Brett RW, Nicholls JW, Rae JE, Mattner SW (1999) Will fumigants, biofumigants or IPM, adequately replace MB in Australia? In 'Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions'. San Diego, USA. 17: 1–2.
- Porter IJ, Brett RW, Wiseman BM, Merriman PR. (1996) Successful alternative strategies to methyl bromide for soil disinfestation in horticultural industries in Australia. In 'Annual International Conference on Methyl Bromide Alternatives and Emissions Reductions'. Orlando, USA. 7: 1–3
- Porter I, Brett R, Wiseman B, Rae J (1997) Methyl bromide for preplant soil disinfestation in temperate horticultural crops in Australia in perspective. In 'Annual International Conference on Methyl Bromide Alternatives and Emission Reductions'. San Diego, USA. 14: 1–4.
- Porter, I.J., Clarke, R.G. and Woodroffe, M. (1989). Evaluation of methods to control stem rot (*Sclerotinia minor*) of sunflowers in Australia. Proc. Seventh Sclerotinia Workshop, October 9-13,
- Porter, I.J., Clarke, R.G. and Woodroffe, M. (1989). Potential strategies for control of stem rot in sunflowers. Proc. 7th Aust. Plant Path. Soc. Conf., July 3-7, Brisbane, Australia.
- Porter, I.J. and Clarke, R.G. (1992). Sclerotinia stem rot of sunflowers: The Disease in Perspective. Proc. 9th Australian Sunflower Association Conference, 27-29 April, 1992, Yeppoon, Queensland, pp. 64-68.
- Porter, I., Clarke, R. and Woodroffe, M. (1993). Strategies for reducing stem rot of sunflowers. Proc. 6th Int Congress of Plant Pathology, 28 July - 6 August, 1993, Montreal, Canada.
- Porter, I., Cross, S., Asirifi, N. and Morgan, W. (1994) Diseases and Clubroot Control - A National Approach Proc. of Brassica Industries Conference Bathurst, NSW, 1-7 June, 1994
- Porter, I. Donald, C., Cross, S., Faggian, R., Lancaster, R. And Williams, L. (1996) Clubroot - A National Disease. National Vegetable and Potato Conference, Brisbane, July 1996
- Porter, I.J., Donald, C.E., Faggian, R. (2003) Integrated management of clubroot (*Plasmodiophora brassicae*) in vegetable brassica crops. (Abstract). International Congress of Plant Pathology. Christchurch NZ Feb 2003 Vol. 1 p111.

- Porter, I.J., Donald, C.E., Faggian, R., Lancaster, R. (2004). Integration of classical and molecular approaches to successfully control clubroot of crucifers. (Abstract) British Presidential Plant Pathology Conference, Aberdeen, 5-10th September, 2004
- Porter, I.J., Fraser, P., Mattner, S.W., and R.K. Gounder. (2003). The methyl bromide saga! CD-Rom. In Proceedings of the 1st Trans-Tasman Berryfruit Conference. July, 2003. Auckland, NZ.
- Porter, I.J., Mattner S. and Lazarovits, G (2008). Soil Biofumigation – A strategy for the new world or a complexity too hard to get right? International Biofumigation Conference, July 2008, Canberra, Australia
- Porter, I.J., Mattner, S.W., and R.W. Brett. 2005. Methyl bromide phaseout – the impact on plant protection and international biosecurity. p 218. In Proceedings of the 15th Biennial Australasian Plant Pathology Society Conference. September, 2005. Geelong, Vic.
- Porter, I.J., Maughan, J.P. and Towers, G.B. (1988). Effective methods of applying procymidone to control onion white rot. Proc. 5th Int. Congress of Plant Pathology, August 20-27, Kyoto, Japan.
- Porter, I.J. and Merriman, P.R. (1983). Solarization for control of nematode and fungal pathogens at two sites in Victoria. Proc. 4th Int. Congress of Plant Pathology, August 17-24, 1983, Melbourne, Australia.
- Porter, I.J. and Merriman, P.R. (1985). Integration of soil solarization and chemical treatments for disease control in Victoria. Proc. 5th Aust. Pl. Pathol. Soc. Conf., Auckland, New Zealand, 1985.
- Porter, I.J., Merriman P.R., and Keane P.J. (1987). Is soil solarization suitable for disease control in Australian agriculture? Proc. 6th Aust. Plant Path. Conf. May 11-15, Adelaide, Australia.
- Porter, I.J., Merriman P.R. and Keane P.J. (1988). Soil solarization- Changes in soil microflora and the implications for biological control. Proc. 5th Int. Congress of Plant Pathology, August 20-27, Kyoto, Japan.
- Porter, I., Merriman, P. and Stirling, G (1994) Alternatives to Methyl Bromide Fumigation for Soil Fumigation in Sub-tropical and Temperate Horticultural Crops. Report on Workshop at Institute for Horticultural Development from 24-27 July, 1994, Agriculture Victoria 33pp.
- Porter, I.J. and Merriman, P.R. (Eds.) (1995) Proceedings of the First National Workshop on Alternatives to Methyl Bromide for Soil Fumigation in Sub-Tropical and Temperate Horticultural Crops. 24-27 July, 1994, Institute for Horticultural Development, Knoxfield, Victoria 33pp.
- Porter, I., Mattner, S. (2002) Non-chemical alternatives to methyl bromide for soil treatment in strawberry production. pp 41-45, Proceedings of the International Conference on Alternatives to Methyl Bromide Sevilla, Spain
- Porter, I.J., Mattner, S.W., Banks, J. and P. Fraser (2005). Impact of global methyl bromide phase-out on the sustainability of strawberry industries. International Strawberry Conference, Coolool, Queensland, September 2005.
- Porter IJ, Mattner SW, Brett RW, Nicholls JW, Rae JE, Bianco V (2000). Plant-back, IGR and soil health influences the selection of MB alternatives in Australia. Annual International Research Conference on MB Alternatives and Emissions Reductions'. Orlando, USA. 23: 1–4.
- Porter IJ, Mattner SW, Shanks AL (1999) Methyl bromide alternatives: its time to make the change! In 'Tenth National Berryfruit Conference Proceedings'. Sunshine Coast, Australia.
- Porter, I., Plozza, T., Zhang, P., Bui, J. and Allen, D. (2019). New Early Warning System and Vineyard Mitigation of Smoke Taint in Wine. Australian Wine Industry Technical Conference, Adelaide, Australia. July 21-24th, 2019.
- Porter, I. and Rae J. (1997). Preplant soil disinfestation with methyl bromide: What is the future? Proc. 9th National Berryfruit Conference. Ringwood Victoria, 20-23 March, 1997.
- Porter, I. et al. 2004. Implications of the Increased Growth Response after fumigation on future crop protection and crop production strategies, Proceedings of the 6th International Symposium on chemical and non chemical soil and substrate disinfestation, 4 –8th October Corfu, Greece.
- Porter, I., et al. (2004). Strawberry fruit production: Summaries of alternatives and trials in different geographic regions. In Proceedings of the International Conference on Alternatives to Methyl Bromide. September 2004. Lisbon, Portugal
- Porter, I., et al. (2004). Strawberry nurseries: summaries of alternatives and trials in different geographic regions. In Proceedings of the International Conference on Alternatives to Methyl Bromide. September 2004. Lisbon, Portugal

- Porter, I, Villalta, O. and Stewart, A (2005). Evaluation of commercial preparations of biological control agents for control of Sclerotinia lettuce drop. Proc. International Sclerotinia Workshop, Monterey, California, 12-16 June, 2005
- Porter, I.J., Brett, R.W., Nicholls, J.W, Rae, J.E., and S.W. Mattner (1999). Will fumigants, biofumigants or IPM, adequately replace MB in Australia? p 17:1-2. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November, 1999. San Diego, USA.
- Porter, I.J., and S.W. Mattner (2002). Non-chemical alternatives to methyl bromide for soil treatment in strawberry production. p 41-45. In Proceedings of the International Conference on Alternatives to Methyl Bromide. March 2002. Sevilla, Spain.
- Porter, I.J., and S.W. Mattner (2001). Sustainable soil disinfestation. p 57- 60. In Proceedings of the 11th National Berryfruit Conference. May 2001. Ballarat, Vic.
- Porter, I.J., Mattner, S.W. and R.W. Brett (2006). Methyl bromide phaseout – The impact on plant protection and international biosecurity. Proceedings of the 15th Australasian Plant Pathology Society Conference. ,26 -29 September, 2005, Geelong, Australia. p 218.
- Porter, I.J., Mattner, S.W., and A.L. Shanks (1999). Methyl bromide alternatives: its time to make the change! p 19-21. In Proceedings of the 10th National Berryfruit Conference. May 1999. Sunshine Coast, QLD.
- Porter, I., Riches, D. (2016). Benchmarking and mitigation of nitrous oxide emissions in temperate vegetable cropping systems in Australia resulting in improve nitrogen use efficiency. **Proceedings of the 2016 International Nitrogen Initiative Conference** . "Solutions to improve nitrogen use efficiency for the world", 4-8 December 2016, Melbourne, Australia. www.ini2016.com
- Porter, I.J., Trinder, L.E., Partington, D., Mattner, S.W., Karavarsamis, N., and M. Hannah. 2006. Soil disinfestation treatments: What has replaced methyl bromide and are industries and scientists getting it right? p 35-36. In Proceedings of the 4th Australasian Soilborne Diseases Symposium. September 2006. Queenstown, New Zealand.
- Pung, H., Villalta, O., Cross, S., Wilson, D. and Porter, I. (2005). Alternative fungicides to procymidone for Sclerotinia disease control on horticultural crops, 15th Biennial Australasian Plant Pathology Society Conference, Geelong, Victoria, pp323
- Rae J, Porter I (1997). Melons and methyl bromide – Are alternatives a reality? In 'Proceedings 4th Aust. Melon Conference'. Bargara, Australia.
- Tostovrsnik, N.S., Shanks, A.L., Porter, I.J., Mattner, S.W., and R.W. Brett. (2005). Facilitating the adoption of alternatives to methyl bromide in Australian horticulture. p 13:1-4. In Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. November, 2005. San Diego, USA.
- Tostovrsnik, N.S., Shanks, A.L., Porter, I.J., Mattner, S.W., and R.W. Brett. (2005). Facilitating the adoption of alternatives to methyl bromide in Australian horticulture. p 192. In Proceedings of the 15th Biennial Australasian Plant Pathology Society Conference. September, 2005. Geelong, Vic.
- Villalta, O.N , Porter, I.J., Wite, D., Stewart, A. and Hunt, J. (2005). Chemical and biological control of Sclerotinia lettuce drop. Proc. International Sclerotinia Workshop, Monterey, California, 12-16 June, 2005
- Villalta, O, Wite, D. and Porter, I.J. (2007). Integrated control of white rot on spring onions in Australia. Proceedings of 5th International Symposium on Edible Alliaceae, Dronnten, The Netherlands, pp 149.
- Villalta, O, Wite, D. and Porter, I.J. (2006). Effect of poultry manure on the incidence of onion white rot. Proceedings of the 4th Australasian Soilbone Diseases Symposium, Queenstown, NZ, pp46.
- Villalta, O , Porter, I.J., Wite, and Wilson, D. (2005). Alternative fungicide treatments to replace procymidone for control of white rot on spring onions, 15th Biennial Australasian Plant Pathology Society Conference, Geelong, Victoria pp219.
- Villalta, O , Porter, I.J., Wite, D., McLean, K., Stewart, A. and Hunt, J. (2005). Optimising Trichoderma for the management of white rot on spring onions, 15th Biennial Australasian Plant Pathology Society Conference, Geelong, Victoria, pp165.
- Villalta, O., Porter, I.J., Wite, D., McLean, K., Stewart, A. and Hunt, J. (2005). Evaluating Trichoderma for the integrated control of white rot on spring onions, 15th Biennial Australasian Plant Pathology Society Conference, Geelong, Victoria pp166.

- Villalta, O., Porter, I.J., Wite, D., Stewart, A. and Hunt, J. (2005). Chemical and Biological Control of Sclerotinia Lettuce Drop. 13th International Sclerotinia Workshop, Monterey California, pp 84.
- Villalta, O., Porter, I.J., Wite, D., McLean, K., Stewart, A. and Hunt, J. (2005). Integrated Control of Onion White rot in Spring Onions, 3rd Australasian Soilborne Diseases Symposium, Rowland flat, South Australia, pp 155
- Villalta, O., Porter, I.J., Wite, D., Czerniakowski, B., Pung, H., Stewart, A. and Hunt, J. (2005). Integrated Control of Sclerotinia minor on lettuce, 3rd Australasian Soilborne Diseases Symposium, Rowland Flat, South Australia, pp 139
- Weda, G., Schruers, D., Porter I.J., and S.W. Mattner. 2008. Experiences of Victorian horticultural growers with biofumigation. p 33. In Proceedings of the Third International Biofumigation Symposium. July 2008. Canberra, ACT.
- Wite, D., Villalta, O. and Porter, I.J. (2006). The effect of temperature on growth (in-vitro) of Sclerotium cepivorum (onion white rot) of bunching onions. Proceedings of the 4th Australasian Soilborne Diseases Symposium, Queenstown, NZ, pp50.
- Wite, D., Villalta, O., Porter, I.J., Duff, A. and Pung, H. (2007). Developing an integrated control strategy for onion white rot, 16th Biennial Australasian Plant Pathology Society Conference, Adelaide, Victoria pp 155.
- Wite, D., Mattner, S.W., Baxter, G.G., Holmes, R.J., Hayes, G.A., and I.J. Porter. 2007. Solarisation for expanded polystyrene seedling trays in the former Australian tobacco industry. p 126. In Proceedings of the 16th Biennial Australasian Plant Pathology Society Conference. September, 2007. Adelaide, SA.
- Wilkinson K., Tymms, S. and Porter, I. (1996). Biological risks associated with recycling green organics. Organics Recycling Conference, Melbourne, September, 1996
- Wilkinson K., Tymms, S. and Porter, I. (1997). The risk of spreading plant pathogens, pests and weeds in recycling green waste. Proc. 12th WWM Conference on Waste Management, Brisbane, March, 1997
- Wiseman, B., Shanks, A., Porter, I. And McGregor G. (1997). Soil disinfestation for temperate strawberry production. Proc. 9th National Berryfruit Conference. Ringwood Victoria, 20-23 March, 1997.
- Wiseman B, Porter I, Shanks A (1997) Soil disinfestation for strawberry production and the phase-out of methyl bromide. Poster presentation, 11th Biennial Plant Pathology Society of Australasia Conference, Perth, Australia.
- Ziehl, A., Pascoe, I. & Porter, I. (1995) The cost of Elsinoe scab disease to the Australian Protea Industry. Australian Flora and Protea Growers Association, 10th Annual Conference. Adelaide, August 1995.