NATALIE KARAVARSAMIS, PhD

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ACADEMIC & INDUSTRY POSITIONS

2018–2021 **Lecturer and Researcher**, Department of Mathematics and Statistics.
La Trobe University, Australia

2020 **Statistical Consultant**.
University of Southern Queensland, Australia

2019 **Visiting Research Fellow**, Boston Children's Hospital, and Department of Neuroscience.
Harvard University, USA

2019 **Visiting Research Fellow**, Statify (formerly Mistis).
Inria, Grenoble Rhone-Alpes, France

2019 **Visiting Research Fellow**, Department of Statistics.
University of Rosario, Argentina

2016– **Honorary Research Fellow**, School of Mathematics and Statistics.
University of Melbourne, Australia

2016–2017 **Lecturer of Statistics**, School of Mathematics and Statistics.
University of Melbourne, Australia

2016–2017 **Postdoctoral Research Fellow**, School of Biosciences.
University of Melbourne, Australia

2015 **Postdoctoral Research Fellow**, School of Mathematical and Geospatial Sciences.
RMIT University, Australia

Project title: New statistical approaches for analysing species distributions (ARC). 2009–2014
2009–2014 **PhD candidate**, School of Mathematics and Statistics.
University of Melbourne, Australia

2009–2012 **Doctoral Research Fellow**, Parks Victoria.
Victoria, Australia

PREDOCTORAL

2008 **Research Fellow**, School of Food and Land Sciences.
University of Melbourne, Deakin University

2004–2007 **Biometrician**, Department of Primary Industries.
Victorian State Government, Australia

2004–2007 **Research Associate**, Department of Primary Industries.
Victorian State Government, Australia

2004–2007 **Supervisor**, Department of Primary Industries.
Victorian State Government, Australia

2004 **Statistical Consultant**, Department of Primary Industries.
Victorian State Government, Australia

2001–2003 **Biostatistician**, Cancer Epidemiology Centre.
Cancer Council of Victoria, Australia

2001–2003 **Statistical Consultant**, Cancer Epidemiology Centre.
Cancer Council of Victoria, Australia

2001–2003 **Research Associate**, Cancer Epidemiology Centre.
Cancer Council of Victoria, Australia

2001–2017	**Teaching Assistant**, School of Mathematics and Statistics. University of Melbourne
2000	**Honours Candidate in Statistics**, School of Mathematics and Statistics. University of Melbourne
2000	**Research Assistant**, Statistical Consulting Centre, School of Mathematics and Statistics. University of Melbourne
1999	**Research Assistant**, School of Medicine. University of Crete, Greece
1999-2007	**Private Tutor**, *Maths and Science (All levels)*. Melbourne, Australia
1998	**Private Tutor**, *Maths, Science and English language*, All levels. Athens & Crete, Greece
1998	**Translator**, *(English to Greek) Scientific Journal*. Athens, Greece

TERTIARY EDUCATION

2009–2015	**Ph.D. in Statistics**, School of Mathematics and Statistics, University of Melbourne, Australia. Thesis: Methods for estimating occupancy. Supervisors: Prof. Richard Huggins, A/Prof. Ray Watson, Ass. Prof. Andrew Robinson and Ass. Prof. Graham Hepworth.
2000	**B.Sc. Honours degree in Statistics - 1st Class Honours**, School of Mathematics and Statistics, University of Melbourne, Australia. Thesis: Methods of Meta-Analysis. Supervisors: Dr Ken Sharpe and Ass. Prof. Ian Gordon.
1996	**B.Sc. in Statistics and Operations Research**, School of Mathematics and Statistics, University of Melbourne, Australia.

TEACHING

⸺TEACHING & COORDINATION

2020	**Biostatistics**, (STA3BS). 3rd year Undergraduate, Department of Mathematics and Statistics. La Trobe University, Australia
2019	**Engineering Probability and Statistics**, (STM3EPS). 3rd year Undergraduate, Department of Mathematics and Statistics, Department of Engineering. La Trobe University, Australia
2018–2020	**Statistics**, (STA3AS). Advanced statistical methods: Sample surveys, Multivariate methods, Time series methods. 3rd year Undergraduate & 4th year Honours., Department of Mathematics and Statistics. La Trobe University
2018–2020	**Applied Statistical Methods**, (STA2ASM). Applied Biostatistics and Applied Medical Statistics. 2nd year Undergraduate, Department of Mathematics and Statistics. La Trobe University, Australia

2018	**Linear Models**, (STA3LM). 3rd year Undergraduate, Advanced statistical methods, Department of Mathematics and Statistics. La Trobe University, Australia
2016–2017	**Thinking and Reasoning with Data**, (MAST90044). Masters & Postgraduate, School of Mathematics and Statistics. University of Melbourne, Australia

2004	**Design and Analysis of Experiments**, *2-day Workshop*, Department of Primary Industries, Irymple, Victoria, Australia.

——TEACHING ASSISTANT

2010–2017	**Statistics for Research Workers**, Postgraduate and Professional level. Intensive 6-day short course, Statistical Consulting Centre, School of Mathematics and Statistics. University of Melbourne

2008–2017	**Data Analysis**, (MAST10010). 1st year Undergraduate, School of Mathematics and Statistics. University of Melbourne
2009	**Critical Thinking with Data**, 1st year Undergraduate, School of Mathematics and Statistics. University of Melbourne
2008	**Experimental Design and Data Analysis for Biomedical Science**, 1st year Undergraduate, School of Mathematics and Statistics. University of Melbourne
2007, 2008	**Applied Statistics**, 2nd year Undergraduate, School of Mathematics and Statistics. University of Melbourne
2007,2008	**Experimental Design/Statistical Methods**, 2nd year Undergraduate, School of Mathematics and Statistics. University of Melbourne
2001–2017	**Experimental Design and Data Analysis**, (MAST10011). 1st year Undergraduate, School of Mathematics and Statistics. University of Melbourne
2006–2007	**Tutor**, *Volunteer*, Drop-in After School Tutoring Centre, Reading and comprehension, maths and science, primary and secondary level. Hanover Centre, Footscray Library
1999–2007	**Tutor**, *Private*, Primary, secondary (including Year 11 and 12): Maths, Science, Chemistry, Physics, Undergraduate, postgraduate & professional level Statistics tutoring across universities and faculties.

INDUSTRY & MAJOR PROJECTS

2018–2020	**Project Leader and Chief Statistician/Data Scientist (Harvard University and Boston Children's Hospital and Department of Neuroscience)**. Project: Circular and Cylindrical distributions for correlated time series data: Zebrafish for new pathways of neuroscience in gene brain mapping childhood epilepsy.

2018–2020 **Project Leader and Chief Statistician/Data Scientist (Harvard University and Boston Children's Hospital and Department of Neuroscience)**. Project: High-throughput data analysis, spatiotemporal methods, Machine learning, Data Mining for heterogeneous and large scale data on zebrafish for new pathways of neuroscience in gene brain mapping childhood epilepsy.

2016–2017 **Project Leader and Chief Statistician/Data Scientist (UoM)**. Project: How can the score test be consistent? Funding: Australian Research Council.

2015 **Project Leader and Chief Statistician/Data Scientist (RMIT)**. Project: New statistical approaches for analysing species distributions. Funding: Australian Research Council.

2009–2010 **Project Leader and Chief Statistician (UoM)**. Project: Fox Control Program in Victoria. Stakeholders: Parks Victoria, School of Mathematics and Statistics (University of Melbourne (UoM), Australia). Funding: PhD Scholarship, Stipend from Parks Victoria.

2008 **Project Leader and Chief Statistician**. Project: Estimating Annual probability of infection for quantitative microbial risk assessment. Stakeholders: ARC Industry Linkage Grant, Melbourne School of Land and Environment (University if Melbourne (UoM)). Funding: ARC Industry Linkage Grant.

2006–2007 **Project Co-Leader and Chief Statistician (Department of Primary Industries)**. Project: Validating the yield performance of alternatives to methyl bromide for pre-plant fumigation. Stakeholders: TEAP and UNEP, Department of Primary Industries.

2003–2005 **Chief Investigator and Chief Statistician (Department of Primary Industries)**. Project: Reducing Spoilage and Contamination Risks of Fresh Vegetables in China and Australia, Chinese Collaboration. Stakeholders: China, Department of Primary Industries.

2004–2005 **Chief Investigator and Chief Statistician (Department of Primary Industries)**. Project: National (Australian) Industry potato grower Project. Stakeholders: McCains, Department of Primary Industries.

2004 **Chief Investigator and Chief Statistician (Department of Primary Industries)**. Project: Importation Risk Analysis for Apples from New Zealand. Stakeholders: Australian Government, Department of Primary Industries.

2001–2003 **Senior Investigator and Senior Statistician (Cancer Council of Victoria)**. Project: Melbourne Collaborative Cohort Study (MCCS), commenced 1990. Stakeholders: University of Melbourne, State Government of Victoria, Cancer Council of Victoria.

2001–2003 **Senior Investigator and Senior Statistician (Cancer Council of Victoria)**. Project: Eating Patterns and Food Consumption Survey and Methods Development, MCCS. Stakeholders: University of Melbourne, State Government of Victoria, Cancer Council of Victoria

2001–2003 **Project Leader, Chief Statistician and Chief Programmer (Cancer Council of Victoria)**. Project: Nutrient Analysis Methods Development and Testing. Software testing (Visual Basic- VBA) and software development in STATA. Stakeholders: Commercial product, Cancer Council of Victoria.

1999 **Chief Statistician (University of Crete)**.Project: European Union Seven Countries Study. Stakeholders: European Union, University of Crete (School of Medicine, Greece).

CONFERENCE PRESENTATIONS

2019 **Estimating occupancy and fitting models**. 3rd Research School on Statistics and Data Science (RSSDS), July, La Trobe University, Melbourne, Australia (Springer)

2019 **Data mining swimming behaviour of adult zebrafish** (Accepted). 3rd International Conference on Econometrics and Statistics (EcoSta 2019), National Chung Hsing University, Taiwan

2018 **How can the score test be consistent?**. International Statistical Ecology Conference (ISEC) 2018, St Andrews, Scotland

2010 **Comparison of four bootstrap-based interval estimators of species occupancy and detection probabilities**. (Accepted) International Statistical Ecology Conference (ISEC), University of Kent, UK

2009 **Comparison of four bootstrap-based interval estimators of species occupancy and detection probabilities**. (Accepted) International Biometrics Society Australasian Region Conference (IBS), Taupo, New Zealand

Predoctoral

2008 **Estimators of Annual Probability of Infection**, **Karavarsamis, N.**. Speaker, Australasian Statistical Conference (ASC), Melbourne, Australia

Conference Delegate

2005 The 55$^{\text{th}}$ Session of the International Statistical Institute (ISI) . Sydney, NSW Australia. Conference Delegate. Funding: Denise Lievesley Young Statisticians Award, and Department of Primary Industries

2004 International Biometrics Conference joint Statistical Society of Australia (SSAI). Cairns, QLD, Australia. Conference delegate. Funding: Department of Primary Industries (DPI)

2001 The Australasian Epidemiological Conference and the Biostatistics Conference. Sydney, NSW, Australia

RESEARCH INVITED PRESENTATIONS

Invited Speaker

2019 **Circular statistics and data mining for Zebrafish models** (Invited Speaker). Boston Children's Hospital and Department of Neuroscience, November, Harvard University, USA

2019 **Estimating occupancy and the two-stage approach** (Invited Speaker). INRIA Seminar Series. Grenoble, France

2019 **Circular statistics and data mining for Zebrafish models** (Invited Speaker). INRIA Seminar Series. Grenoble, France

2019 **Estimating occupancy and fitting models** (Invited Speaker). Monash Statistics Seminar Series, Monash University, Australia

2019 **Circular statistics for Zebrafish** (Invited Speaker). Joint Harvard and La Trobe University Special Seminar, La Trobe University, Australia

2019	**Estimating occupancy and the two-stage approach** (Invited Speaker). RMIT Data Analytics Seminar Series. RMIT University, Australia
2018	**How can the score test be consistent?** (Invited Speaker). La Trobe–Kyushu Joint Seminar Series, La Trobe University, Australia
2018	**How can the score test be consistent?** (Invited speaker). Statistical Seminar Series, La Trobe University, Australia
2014	**Methods for Estimating Occupancy**. PhD Completion Seminar. School of Mathematics and Statistics, University of Melbourne, Australia
2013	**Occupancy Models** (Invited Speaker). Fortnightly seminar series. School of Mathematics and Statistics, University of Melbourne, Australia
2010	**Occupancy Methods** (Invited Speaker). Seminar Series, ACERA, University of Melbourne, Australia
2009–2012	Journal Club Presenter, School of Mathematics and Statistics, University of Melbourne, Australia

Predoctoral

2004	**Design of Experiments**. Workshop Invited Presenter. Department of Primary Industries, Irymple, Victoria, Australia
2003	**Energy-adjustment methods for nutrient data**. Invited Speaker. Work-in-Progress (WIP) Statistics Seminar Series. Centre for Genetic Epidemiology & School of Public Health, University of Melbourne, Australia

ACADEMIC SERVICE

EDITORIAL ROLES

2018–present	Technical Sub-Editor, Australian and New Zealand Journal of Statistics (Wiley)
2019	Editor, Proceedings of Research School on Statistics and Data Science (RSSDS), Communications in Computer and Information Science (Springer)
2019	Editor, Science Gazette, Department of Mathematics and Statistics, La Trobe University, Australia

PEER REVIEW

2020–present	Biometrics (Wiley)
2020–present	Journal of Agricultural, Biological, and Environmental Statistics (JABE) (Springer Nature)
2019	Proceedings of Research School on Statistics and Data Science (RSSDS), Communications in Computer and Information Science (Springer)
2018–present	Journal of Pediatric Rehabilitation Medicine (IOS Press)
2018–present	Austral Ecology, A Journal of ecology in the Southern Hemisphere, Ecological Society of Australia (Wiley)

ROLES

2019–2021	Mathematics, Statistics, and Data Science Majors and Minors Course Advisor. Bachelor of Science Course Program, La Trobe University, Australia
2018–2021	International Student Application Assessor Mathematics, Statistics, and Data Science Majors and Minors. Bachelor of Science Course Program, La Trobe University, Australia

2018-2020	International Student PhD Applicant Assessor, Department Mathematics and Statistics, La Trobe University, Australia.
2018–2021	Higher Degree Thesis Examiner, Department of Mathematics and Statistics, La Trobe University, Australia

COMMITTEES

2019–2020	Organising Committee Member, International Statistical Ecology Conference (ISEC2020), University of New South Wales, Sydney, Australia, June 22–26, 2020.
2019–2020	Workshop Co-Chair, Research School on Statistics and Data Science (RSSDS2019), La Trobe University, July 24–26, 2019 (`https://sites.google.com/view/rssds2019`).
2019	Committee Member, Women in Mathematics Day, La Trobe University, joint WIMISG event in honour of Maryam Mirzakhani the first female Fields Medallist.
2019	Committee Member, Choose Maths Day, La Trobe University, in collaboration with Australian Mathematical Sciences Institute (AMSI).
2018-2020	Committee Member. Higher Degree International PhD Submissions, Department Mathematics and Statistics, La Trobe University.
2017	Committee Member & Organisor, Mathematics & Statistics Female Academics & PhD Mentoring Program, University of Melbourne.
2014–2017	Member, Equity Plenary Committee, University of Melbourne.
2010	Committee, 2010 Victorian Mathematics and Statistics Student Conference, School of Mathematics and Statistics, of Melbourne Melbourne.
2009–2012	Journal Club organiser, School of Mathematics and Statistics, University of Melbourne, Australia.
2003–2005	Founder, Committee Member and Administrator, Young Statisticians of Victoria (YSVic), Statistical Society Australia (SSAI), Victoria, Australia.

PROFESSIONAL SERVICE & OUTREACH

2018–2019	Statistics Seminar Administrator, Department of Mathematics and Statistics, La Trobe University, Australia
2019	Invited Speaker, Subject Selection Fair 2019, La Trobe University, Australia
2019	Q&A Panel Member, Women in Mathematics Day, La Trobe University, joint WIMISG event in honour of Maryam Mirzakhani the first female Fields Medallist
2018	Chair, Statistics Session, AMSI Summer Scholar Conference, Melbourne University
2018	Invited Speaker, Australian Mathematical Sciences Institute (AMSI) Choose Maths Day, La Trobe University, Australia
2018	Founder and Administrator, Statistics Journal Club, Department of Mathematics and Statistics, La Trobe University.
2018	Discussion Panel Member, AMSI Choose Maths, La Trobe University, Australia
2018	Ambassador, Mathematics & Statistics Education at La Trobe University, 55th Annual Conference, Mathematical Association of Victoria, La Trobe University
2018	Ambassador, Open Day activities, Department of Mathematics and Statistics, La Trobe University
2018	Invitee, Vice Chancellor's Luncheon, La Trobe University
2017	Mentor, Mathematics & Statistics Female PhD & Academic Mentoring Program

2009–2012	Ambassador, Open Day activities, Department of Mathematics and Statistics, Melbourne University
2012	Invited Speaker, Year 9 Mathematics Class, Melbourne, Australia
2009–2014	Mentor, International Students, University of Melbourne
2009–2012	Journal Club Organiser, School of Mathematics and Statistics, University of Melbourne.
2007	Volunteer Tutor, Hanover Center, Melbourne, Australia
2001–2004	Administrator, Young Statisticians of Victoria, Australia
2001	Co-founder, Young Statisticians of Victoria, Australia
2001–2017	Tutor at the First-Year Learning Centre, Department of Mathematics, University of Melbourne
2001–	Member, Statistical Society of Australia

GRANTS, AWARDS AND FUNDING

2019	Finalist, Fulbright Scholarship. Collaboration with Boston Children's Hospital and Department of Neuroscience at Harvard University (USA)
2019	La Trobe Fellowship Support Program for DECRA from Australian Research Council.
2019	Travel Grant, Department Mathematics and Statistics, La Trobe University. AUD $7000
2018	Australian-French Association for Research and Innovation (AFRAN). AUD $3000
2016	Early Career Researcher Establishment Grant, School of Mathematics and Statistics, University of Melbourne. AUD $6000
2015	Ph.D. Write Up Grant, University of Melbourne. AUD $6000
2009–2014	Ph.D. Scholarship, University of Melbourne. AUD $23,000 per annum
2010–2012	Ph.D. Stipend, Fox Control Program, Parks Victoria. AUD $10,000 per annum
2010	Melbourne abroad travelling scholarships (MATS), School of Mathematics and Statistics, University of Melbourne. AUD $15,000
2010	The Overseas Research Student Belz Award Scheme. School of Mathematics and Statistics, The University of Melbourne. AUD $15,000
2009	Travel Award, School of Mathematics and Statistics, University of Melbourne. AUD $10,000
2008	Conference funding, Department of Land and Food Sciences, University of Melbourne. AUD $5000
2005	Denise Lievesley Young Statisticians Award, Statistical Society of Australia. Full funding for International Statistical Institute (ISI) conference.
2004	Travel Award, International Biometrics (IBC) and Australasian Statistical (ASC) conference, Department of Primary Industries. AUD $7000
2001	Travel Award, Australasian Epidemiological Association (AEA) and Biostatistics Conference, Cancer Epidemiology Centre (CEC), Cancer Council of Victoria. AUD $6000

SUPERVISION

PROFESSIONAL

2018–2020	Teaching staff supervisor, Department of Mathematics and Statistics, La Trobe University, Australia
2016–2017	Teaching staff supervisor, Department of Mathematics and Statistics, La Trobe University, Australia
2004–2005	Professional Supervisor, Research Assistants, Department of Primary Industries, Victoria, Australia

RESEARCH STUDENTS

2020–2020	Co-supervisor, PhD Candidate, Department of Mathematics and Statistics, La Trobe University, Australia
2018–2020	Co-supervisor, PhD Candidate, Department of Mathematics and Statistics, La Trobe University, Australia
2018	Supervisor, AMSI Summer Scholarships, Department of Mathematics and Statistics, La Trobe University, Australia
2018	Supervisor, AMSI Summer Scholarships, Department of Mathematics and Statistics, La Trobe University, Australia

SOFTWARE

Software programmer for commercial industry and academic research. My own `R` package `twostage` (in publication) implements my two-stage approach, new mathematical methods I developed in occupancy estimation. I am fluent in Genstat, Stata and Excel add-ons such as Risk-analysis, VBA, and other software such as C++, and Ruby for Github, Python, Mathematica, Matlab etc.

RESEARCH FOCUS

Circular distributions; Cylindrical distributions; Time-series; Partial likelihoods; Zero-inflated distributions; Inference for zero-inflated distributions; GAMs; GLMMs; HMMs; Statistical ecology methods; Hypothesis tests for two-sample occupancy models; Equivalence test. Analysis of high-dimensional data sets; Statistical ecology methods and applications; Spatiotemporal modelling for highly heterogeneous and large scale data eg biological and gene data. Machine learning methods; Computational algorithms; Classification methods; Multivariate methods. Biostatistics, epidemiology and medical statistics.

EXTRA-CURRICULAR ACHIEVEMENTS

Concept, Executive Producer and Dancer. *Dance Class* (2011). Contemporary dance performance for 16 dancers with 6 choreographers. 1 year development from concept to performance. Gasworks Theatre Melbourne. Australia.

PUBLICATIONS

1. Makdissi, R., Atkins, Z.S., Clemann, N., **Karavarsamis, N.** and Robert, K.A.. A skink in grasshopper's clothing: utilisation of Bayesian mimicry in juvenile Guthega skinks as an antipredator defence (*under review*).
2. **Karavarsamis, N.**, Guillera-Arroita, G., Huggins, R.M. and Morgan, B. (2020). How can the score test be consistent?. *Australian and New Zealand Journal of Statistics*, 62(1):94–115. `doi.org/10.1111/anzs.12288`.
3. **Karavarsamis, N.** (2019). Estimating Occupancy and Fitting Models with the Two-Stage Approach. H. Nguyen (Ed.): Research School of Statistics and Data Science, RSSDS 2019, Communications in Computer and Information Science (CCIS) vol. 1150, pp. 68–80, 2019. Springer Nature Singapore Pte Ltd. `doi.org/10.1007/978-981-15-1960-4_5`

4. **Karavarsamis, N.** and Huggins, R.M. (2019). A two-stage approach to the analysis of occupancy data I. The Homogeneous case. *Communications in Statistics - Theory and Methods.* `doi.org/10.1080/03610926.2019.1607385.`

5. **Karavarsamis, N.** and Huggins, R.M. (2019). A two-stage approach to the analysis of occupancy data II. The Heterogeneous case. *Computational Statistics and Data Analysis*, 133:195–207. `doi.org/10.1016/j.csda.2018.09.009.`

6. Bagnall, J., Jones A., **Karavarsamis, N.** and Nguyen H. (2019). The Fully-Visible Boltzmann Machine and the Senate of the 45th Australian Parliament in 2016. *Journal of Computational Social Science.* `https://dx.doi.org/10.2139/ssrn.3287903.`

7. **Karavarsamis, N.** (2015). Methods for Estimating Occupancy. PhD thesis.

8. Mara, D., Hamilton, A.J., Sleigh, A., **Karavarsamis, N.**, Razak Seidu. (2015). Tools for Risk Analysis: Updating the 2006 Guidelines. Wastewater Irrigation and Health. Earthscan.

9. **Karavarsamis, N.**, Robinson, A. P., Hepworth, G., Hamilton, A.J. and Heard, G.W. (2013). Comparison of four bootstrap-based interval estimators of species occupancy and detection probabilities. *Australian and New Zealand Journal of Statistics*, 55(3):235–252.

10. Kreidl, S., Holmes, R., Partington, D., **Karavarsamis, N.** (2012). The effect of calcium and nitrogen nutrition on the development of postharvest rots in pak choi. *Acta horticulture*, 944:73–82.

11. Mara, D., Hamilton, A.J., Sleigh, A., **Karavarsamis, N.** (2011). Tools for risk assessment: updating the 2006 WHO guidelines. *Wastewater irrigation and health: Assessing and mitigating risk in low–income countries.* Earthscan, IDRC and IWMI. Editors: P. Drechsel and C.H.Scott and L. Easchild-Sally ajnd M. Redwood and A. Bahri (89–100).

12. **Karavarsamis, N.** and Hamilton, A.J. (2010). Estimators of Annual Probability of Infection for quantitative microbial risk assessment. *Journal of Water and Health*, 8(2):365–373.

13. **Karavarsamis, N.** (2010). Safeguarding our species. *The Age; The Voice*, June, 6(6). http://voice.unimelb.edu.au/volume-6/number-6/safeguarding-our-species.

14. Mara D, Hamilton AJ, Sleigh A, **Karavarsamis N.**, Seidu R. (2009). Tools for risk analysis: Updating the 2006 WHO guidelines. In Wastewater Irrigation and Health: Assessing and Mitigating Risk in Low-income Countries. 89-100. (Book Chapter).

15. **Karavarsamis, N.**, and Hamilton, A.(2008). Estimators of Annual Probability of Infection. Australian Statistical Conference (ASC2008), Australian Mathematical Sciences Institute (AMSI) and Statistical Society of Australia Inc. (SSAI).

16. Porter, I.J., Trinder, L., Partington, D., Banks, J., Smith, S., Hannah, M., **Karavarsamis, N.** (2006). Special report validating the yield performance of alternatives to Methyl Bromide for pre-plant fumigation. *TEAP/MBTOC Special Report, UNEP Nairobi.*

17. **Karavarsamis, N.** (2005). Control of downy mildew of grapevines by boosting their natural defence system, Final Report to Grape and Wine Research and Development Corporation 2004 – 2005.

18. **Karavarsamis, N.** (2004). Reducing Spoilage and Contamination Risks of Fresh Vegetables in China and Australia, Chinese Collaboration.

19. **Karavarsamis, N.** (2004). Submission (to Australian Government) for the Revised Draft Import Risk Analysis Report for Apples from New Zealand.

20. Giles, G., English, D., **Karavarsamis, N.**, Thursfield, V. (2003). Cancer Survival in Victoria – Relative survival for selected cancers diagnosed from 1982 to 1997 with follow-up to 2000. *Cancer Council Monographs.*

21. **Karavarsamis, N.** (2003). Survival in women in the Victorian breast survey management cohorts: 1986-1995. *Cancer Council Monographs.*

22. **Karavarsamis, N.** (2003). Nutrient Analysis Software – Stata language. Commercial Release of Software.

23. Roberts, S., **Karavarsamis, N.**, English, D., Giles, G. (2001). Hepatocellular carcinoma in

Victoria Australia: survival and prognostic factors. 53rd Annual Meeting of the Association for the Study of Liver Diseases (AASLD), Boston, Massachusetts. *Hepatology.* (Conference proceedings)