

CURRICULUM VITAE

1. **Name** : Sarah Elizabeth RADLOFF
Nationality : British; Permanent resident of SA
Present Position : Professor in the Department of Statistics
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2. PROFESSIONAL QUALIFICATIONS

Rhodes University B.Sc.	1970
Rhodes University B.Sc. (Honours)	1971
Rhodes University M.Sc. (with Distinction)	1976
Rhodes University Ph.D.	1997

3. PROFESSIONAL POSITIONS

Academic experience (full-time posts)

Rhodes University	Junior Lecturer	1972 - 1973
Rhodes University	Lecturer	1974 - 1978
Rhodes University	Lecturer	1980 - 1981
Rhodes University	Lecturer	1986 - 1989
Rhodes University	Senior Lecturer	1990 - 1997
Rhodes University	Associate Professor	1998 - 2001
Rhodes University	Professor	2002 - present

Academic experience (part-time posts)

Rhodes University	Lecturer	1979
Rhodes University	Lecturer	1982 - 1985

Professional experience and Fields of specialization

Lennon Limited, S.A. Druggists: Consultant Statistician: 1988-1993.
BRI - Rhodes University: Consultant Statistician: 1994-2005.

Multivariate data analysis, Generalized Linear Models and Econometrics.

4. SIGNIFICANT RESEARCH PORTFOLIOS AND MANAGEMENT COMMITTEES

Appointed to the International Scientific Board of the journal *Apidologie* (2002 to 2011).

External examiner

University of Cape Town (2007, 2008, 2009),
University of Dar es Salaam, Tanzania (2001 to 2003, 2009 to 2011),
University of the North (2003 to 2007),
Nelson Mandela Metropolitan University (formerly UPE, 2000 to present),
Walter Sisulu University (University of the Transkei, 1996 to 2010),
University of the Western Cape (2006 to 2010),
University of Stellenbosch (2007, 2011, 2012),
University of the Witwatersrand (2008, 2013).
University of KwaZulu Natal (2009 to present),
University of the Free State (2010 to present),
North-West University (Potchefstroom Campus) (2013).

External Review Audit Panel for the School of Statistics and Actuarial Science,
University of KwaZulu Natal (2006).

External Review Audit Panel for the Department of Statistics, Nelson Mandela
Metropolitan University (2011).

External Review Audit Panel for the BMI Unit, Department of Statistics, NWU,
Potchefstroom Campus (2013).

Elected Chairperson of the Eastern Cape Chapter of the South African Statistical
Association (1997 to date),

Elected to serve on SASA Executive Committee (2004-2011),

National President of the South African Statistical Association (2005).

Elected to serve on the Statistics Council of SA (2013)

Editor of the South African Statistical Journal (2013)

Fellow of the South African Statistical Association (since 2008)

Chairperson of the Statistics Standards Generating Body (SGB) for SAQA (2004 to
2009).

Appointed member

Computing Steering Committee (1992 to 1996),

Information Technology Steering Committee (1997 to 2000),

Admissions Committee (1994 to 1996),

Honorary Degrees committee (2001 and 2002),

ISER Management Committee (2001 to date),

Senate Nominations Committee (2001 to 2003),

Timetable Committee (2002 to 2009),

Financial Aid Committee (2003, 2004),

University Disciplinary Panel (1997 to 1998),

Warden's Appointments Committee (2003 to date),
Executive Committee of Senate (2007),
Committee of Assessors for PhD theses (2007 to 2008, 2013),
Board of Residences Committee (2009).

Fellow of Allan Webb Hall, Rhodes University (2006 to date)

Honorary member of the Golden Key International Honour Society (2008 to date)

Head of Department of Statistics from 1997 to 2008 (13 years), 2012 to date.

SCIENTIFIC JOURNALS REFEREE

Apidologie (Germany) 2003 to date
De Ratione (South Africa) 1992 to 2001
Heredity (United Kingdom) 1998 to 2010
European Journal of Entomology (Czech Republic) 2004
Insectes Sociaux (Belgium) 2004, 2009, 2010, 2012
Journal of Apicultural Research (United Kingdom) 1998 to date
South African Statistical Association Journal (South Africa) 2002
Computational Statistics and Data Analysis (IASC) 2004
Acta Zoologica Sinica (China) 2005
The International Journal of Tropical Insect Science (Kenya) 2005
South African Journal of Accounting Research (South Africa) 2002 to date
Journal of Animal Behaviour (United Kingdom) 2008
South African Journal of Plant and Soil (South Africa) 2008 to date
Naturwissenschaften (Germany) 2009

INTERNATIONAL COLLABORATIVE RESEARCH

Austria

Institute of Biology, University of Graz (from 2000 - current)

Brazil

Departamento de Biologia Geral, Universidade Federal de Goiás (2000 - current)

Canada

University of Guelph (from 2000 - current)

China

Department of Sericulture and Apiculture, Zhenjiang University, Zhenjiang (from 2002 - current)

Eastern Bee Research Institute of Yunnan, Agricultural University, Kunming (from 2002 - current)

Ethiopia

Holetta Bee Research Institute (2002 - current)

Germany

Institut für Bienenkunde, Oberursel (from 1998 - current)

Universität Halle (from 1999 - current)

Universität Würzburg (from 2003 - current)

India

University of Shimla (2001 - past)

Indonesia

Forest and Nature Research Centre, Bogor (from 2001 – current)

Japan

Honeybee Science Research Institute, Tamagawa University, Machida, Tokyo (from 2002 - current)

Jordan

Bee Research Department, National Center for Agricultural Research and Extension, Baquq, Wadi (2008 – current)

Spain

University of Murcia, Murcia (2004 – current)

Saudi Arabia

Bee Research College of Food Science and Agriculture King Saud University, Riyadh (2011 – current)

Switzerland

Agroscope Liebefeld-Posieux Research Station (2007 – current)

Federal Department of Economic Affairs

Thailand

University of Chulalongkorn (from 2000 - current)

United States of America

University of Kansas, Department of Entomology (from 2000 - current)

Vietnam

Bee Research Centre, Hanoi (from 2003 – 2010)

PROFESSIONAL SOCIETIES

South African Statistical Association (1972 to present),

American Statistical Association (1992 to present),

Royal Society of South Africa (1993 to present),

International Biometric Society (1996 to present).

5. RESEARCH PUBLICATIONS IN REFEREED JOURNALS

1. Letcher TM, Siswana P, van der Watt P, Radloff S (1989) Phase equilibria for (P-xylene + water + an alcohol) at 298.2K. *Journal of Chemical Thermodynamics* **21**: 1053-1060.
2. van Wyk J, Radloff S (1989) Symmetry and reciprocity in South Africa's foreign relations. *International Affairs Bulletin* **13**, No.3: 55-69.
3. Letcher TM, Sewry J, Radloff S (1990) (Liquid-liquid) equilibria of benzene-water-an alcohol at 298.15K. *South African Journal of Chemistry* **43**: 56-58.
4. Letcher TM, Koteswari Prasad A, Mercer-Chalmers J, Radloff S (1990) Excess molar volumes of (a xylene + an alkanol) at 298.15K. *Journal of Chemical Thermodynamics* **22**: 1175-1179.
5. Court P, Radloff S (1990) A Comparison of multivariate discriminant and logistic regression analysis in the prediction of corporate failure in South Africa. *De Ratione* **4**, No.2: 11-15.
6. Letcher TM, Siswana P, Radloff S (1991) (Liquid-liquid) equilibria for mixtures of an alkanol + water + cyclohexane at 298.2K. *South African Journal of Chemistry* **44**: 118-121.

7. Letcher TM, Ravindran S, Radloff S (1991) Liquid-liquid equilibria for mixtures of an alkanol + methyl-tert-butyl ether + water at 25⁰C. *Fluid Phase Equilibria* **69**: 251-260.
8. van Wyk J, Radloff S (1991) South Africa's dyadic foreign policy behaviour: Patterns of symmetry and reciprocity. *Politikon* **19**: 83-101.
9. Letcher TM, Ravindran S, Radloff S (1992) Liquid-liquid equilibria for mixtures of an alkanol + diisopropyl ether + water at 25⁰C. *Fluid Phase Equilibria* **71**: 177-188.
10. Letcher TM, Nevines JA, Vijayan RP, Radloff SE (1993) Excess enthalpies of (a chlorinated benzene + an alkanol) at 298.15K. *Journal of Chemical Thermodynamics* **25**: 379-383.
11. Letcher TM, Mercer-Chalmers J, Govender UP, Radloff S (1993) Excess molar enthalpies and excess volumes of binary mixtures of 1-alkenes with 1-propanol and 2-propanol. *Thermochimica Acta* **224**: 33-38.
12. Letcher Trevor M, Mercer-Chalmers June D, Govender Penny U, Radloff Sarah E (1993) The molar excess enthalpies and volumes of three 1-alkynes + 1-propanol and + 2-propanol mixtures at 298.15K. *Fluid Phase Equilibria* **91**: 313-320.
13. Palmer C, O'Keeffe J, Palmer A, Dunne T, Radloff SE (1993) Macroinvertebrate functional feeding groups in the middle and lower reaches of the Buffalo River, Eastern Cape, South Africa. I. Dietary variability. *Freshwater Biology* **29**: 441-453.
14. van Wyk Koos, Radloff Sarah (1993) Reciprocity and South Africa's dyadic foreign policy behaviour. *Social Science Quarterly* **74**(4): 802-816.
15. Court P, Radloff SE (1993) A two-stage model for the prediction of corporate failure in South Africa. *Investment Analysts Journal* **38**: 9-19.
16. van Wyk Koos, Radloff Sarah (1993) Symmetry and reciprocity in South Africa's foreign policy. *Journal of Conflict Resolution* **37**: 382-396.
17. Letcher TM, Bricknell BC, Sewry JD, Radloff SE (1994) Liquid-liquid equilibria for mixtures of an alkanol + hept-1-ene + water at 25⁰C. *Journal of Chemical and Engineering Data* **39**: 320-323.
18. Hepburn HR, Radloff SE (1995) First approximation to a phenology of the honeybees (*Apis mellifera*) and flora of Africa. *Oecologia* **101**: 265-273.
19. Moore Robert S, Radloff Sarah E (1996) The "ATBEQ" (Attitudes towards business ethics held by South African students). *Journal of Business Ethics* **15**: 863-869.
20. Mjwara JM, Botha CEJ, Radloff SE (1996) Photosynthesis, growth and nutrient changes in non-nodulated *Phaseolus vulgaris* L. grown under atmospheric and elevated carbon dioxide conditions. *Physiologia Plantarum* **97**: 754-763.
21. Radloff SE, Hepburn HR, Robertson MP, van Hille R, Davidson Z (1996) Discriminant analysis of the honeybee populations of south western Africa. *African Entomology* **4**: 1-6.
22. Hepburn HR, Radloff SE (1996) Morphometric and pheromonal analyses of *Apis mellifera* L. along a transect from the Sahara to the Pyrenees. *Apidologie* **27**: 35-45.
23. Letcher TM, Redhi GG, Radloff SE, Doma | ska U (1996) Liquid-liquid equilibria of the ternary mixtures with sulfolane at 303.15K. *Journal of Chemical Engineering Data* **41**: 634-638.
24. Letcher TM, Redhi GG, Radloff SE, Doma | ska U (1996) Liquid-liquid equilibria for mixtures of diisobutyl ketone + an alkanol + water at 298.15K. *Journal of Chemical Engineering Data* **41**: 701-706.
25. Letcher TM, Redhi GG, Radloff SE, Doma | ska U (1996) Liquid-liquid equilibria for mixtures of butanal + an alkanol + water at 298.15K. *Journal of Chemical Engineering Data* **41**: 707-712.
26. Hepburn HR, Radloff SE (1996) Beeswax exports and rainfall in the savanna woodlands of east central Africa. *Apidologie* **27**: 473-478.
27. Tilney RL, Nelson G, Radloff SE, Buxton CD (1996) Ichthyoplankton distribution and dispersal in the Tsitsikamma National Park marine reserve, South Africa. *South*

- African Journal of Marine Science* **17**: 1-14.
28. Radloff SE, Hepburn HR, Villet MH (1997) The honeybees, *Apis mellifera* Linnaeus (Hymenoptera: Apidae), of woodland savanna of southeastern Africa. *African Entomology* **5**: 19-27.
 29. Hepburn HR, Radloff SE (1997) Biogeographical correlates of population variance in the honeybee (*Apis mellifera* L.) of Africa. *Apidologie* **28**: 243-258.
 30. Radloff SE, Hepburn HR (1997) Multivariate analysis of honeybees, *Apis mellifera* Linnaeus (Hymenoptera: Apidae), of the Horn of Africa. *African Entomology* **5**: 57-64.
 31. Radloff SE, Hepburn HR (1997) Multivariate analysis of honeybee populations, *Apis mellifera* Linnaeus (Hymenoptera: Apidae), from western central Africa: morphometrics and pheromones. *African Entomology* **5**: 195-204.
 32. Shuttleworth-Jordan AB, Satz P, Radloff S (1997) Interindividual variability on cognitive test performance in older adults: Can a lawful pattern be identified? *Journal of the International Neuropsychological Society* **3**: 212. Abstract.
 33. Hepburn HR, Radloff SE, Steele GR, Brown RE (1998) Dimensional aspects of flight in honeybees of Africa. *Journal of Apicultural Research* **37**(3):147-154.
 34. Radloff SE, Hepburn HR, Fuchs S (1998) Ecological and morphological differentiation of the honeybees, *Apis mellifera* Linnaeus (Hymenoptera: Apidae), of West Africa. *African Entomology* **6**: 17-23.
 35. Hepburn HR, Radloff SE, Fuchs S (1998) Population structure and the interface between *Apis mellifera capensis* and *Apis mellifera scutellata*. *Apidologie* **29**: 333-346.
 36. Hepburn HR, Radloff SE, Brown RE, Youthed C, Illgner P (1998) Production of aerodynamic power in mountain honeybees (*Apis mellifera*). *Naturwissenschaften* **85**: 389-390.
 37. Kaiser H, Olivier A, Radloff SE (1998) Determination of optimum stocking density to produce juvenile swordtails, *Xiphophorus helleri* (Heckel 1884). *Journal of Aquaculture and Aquatic Sciences* **8**(2): 24-29.
 38. Radloff SE, Hepburn HR (1998) The matter of sampling distance and confidence levels in the subspecific classification of honeybees, *Apis mellifera* L. *Apidologie* **29**: 491-501.
 39. Steele GR, Villet MH, Radloff SE, Hepburn HR (1998) Clinal morphometric variation in wild honey bees (Hymenoptera: Apidae) in South Africa. *Diversity and Distributions* **4**: 17-25.
 40. Hepburn HR, Radloff SE, Fuchs S (1999) Flight machinery dimensions of honeybees, *Apis mellifera*. *Journal of Comparative Physiology B* **169**:107-112.
 41. Hepburn HR, Reece SL, Neumann P, Moritz RFA, Radloff SE (1999) Absconding in honeybees (*Apis mellifera*) in relation to queen status and mode of worker reproduction. *Insectes Sociaux* **46**: 323-326.
 42. Radloff SE, Hepburn HR (1999) Honeybees, *Apis mellifera* Linnaeus (Hymenoptera: Apidae), of the Drakensberg Mountains in relation to neighbouring populations. *African Entomology* **7**(1): 35-41.
 43. Reid I, Shuttleworth-Jordan AB, Ancer R, Dickinson A, Radloff S (1999) To scrum or not to scrum: First Report from the RU-SARFU rugby head injury study. *Journal of the International Neuropsychology Society* **5**(4): 283. Abstract.
 44. Radloff SE, Hepburn HR (1999) Honeybees, *Apis mellifera* Linnaeus (Hymenoptera: Apidae), of Equatorial Africa. *African Entomology* **7**(2): 265-269.
 45. Radloff SE, Hepburn HR (2000) Population structure and morphometric variance of the *Apis mellifera scutellata* group of honeybees in Africa. *Genetics and Molecular Biology* **23**(2): 305-316.
 46. Hepburn HR, Radloff SE, Oghiakhe S (2000) Mountain honeybees of Africa.

- Apidologie* **31**:205-222.
47. Diniz-Filho JAF, Hepburn HR, Radloff SE, Fuchs S (2000) Spatial analysis of morphometrical variation in African honeybees (*Apis mellifera* L.) on a continental scale. *Apidologie* **31**: 191-204.
 48. Neumann P, Hepburn HR, Radloff SE (2000) Modes of worker reproduction, reproductive dominance and brood cell construction in queenless honeybees (*Apis mellifera* L.) colonies. *Apidologie* **31**: 479-486.
 49. Shuttleworth-Jordan A, Dickinson A, Ancer R, Reid I, Radloff SE, Jakoet I (2000) The percentage of individuals with cognitive test deficit and post-concussive sequelae following participation in rugby: Alarm bells from the RU-SARFU rugby head injury study. *Journal of the International Neuropsychological Society* **6**: 397. Abstract.
 50. Hepburn HR, Smith DR, Radloff SE, Otis GW (2001) Intraspecific categories of *Apis cerana*: morphometric, allozymal and mtDNA diversity. *Apidologie* **32**: 3-23.
 51. Neumann P, Pirk CWW, Hepburn HR, Radloff SE (2001) A scientific note on the natural merger of two honeybee colonies (*Apis mellifera capensis*). *Apidologie* **32**: 113-114.
 52. Shuttleworth-Edwards A, Border M, Radloff S (2001) Participation in contact sport: A case of mild head battering with long-term additive effects. *Journal of the International Neuropsychology Society* **7**: 405-406. Abstract.
 53. Court P, Radloff SE (2001) A new approach to the prediction of corporate failure. *Pakistan Journal of Applied Sciences* **1**: 189-194.
 54. Neumann P, Radloff SE, Moritz RFA, Hepburn HR, Reece SL (2001) Social parasitism by honeybee workers (*Apis mellifera capensis* Escholtz): host finding and resistance of hybrid host colonies. *Behavioral Ecology* **12**: 419-428.
 55. Radloff SE, Hepburn HR (2001) Population structure of *Apis mellifera scutellata* (Hymenoptera: Apidae): Filling the Uganda gap. *African Entomology* **9**: 131-135.
 56. Hepburn HR, Radloff SE, Verma S, Verma LR (2001) Morphometric analysis of *Apis cerana* populations in the southern Himalayan region. *Apidologie* **32**: 435-447.
 57. Radloff SE, Hepburn HR, Otis GW (2001) Flight machinery of honeybees (Hymenoptera: Apidae, *Apis*). *Proceedings of the Seventh International Conference on Tropical Bees: Management and Diversity*. Chiang Mai, Thailand, March 2000, pp 163-168.
 58. Radloff SE, Hepburn HR, Hepburn C, de la Rúa P (2001) Morphometric affinities and population structure of honey bees of the Balearic Islands (Spain). *Journal of Apicultural Research* **40**(3): 97-103.
 59. Radloff SE, Hepburn HR, Neumann P, Moritz RFA, Kryger P (2002) A method for estimating variation in the phenotypic expression of morphological characters by thelytokous parthenogenesis in *Apis mellifera capensis*. *Apidologie* **33**(2): 129-137.
 60. Pirk CWW, Hepburn HR, Radloff SE, Erlandsson J (2002) Defence posture in the dwarf honeybee, *Apis florea*. *Apidologie* **33**(3): 289-294.
 61. Hepburn HR, Radloff SE (2002) *Apis mellifera capensis*: an essay on the subspecific classification of honeybees. *Apidologie* **33**(2): 105-127.
 62. Nuru A, Amssalu B, Hepburn HR, Radloff SE (2002) Swarming and migration in the honey bees *Apis mellifera* of Ethiopia. *Journal of Apicultural Research* **40**: 35-41.
 63. Neumann P, Radloff SE, Hepburn HR (2002) Parasitic Cape bees in the northern regions of South Africa: source of the founder population. *South African Journal of Science* **98**: 404-406.
 64. Beekman M, Good G, Allsopp MH, Radloff SE, Pirk CWW, Ratnieks FLW

- (2002) A non-policing honey bee colony (*Apis mellifera capensis*). *Naturwissenschaften* **89**: 479-482.
65. Nuru A, Hepburn HR, Radloff SE (2002) Induction of propolis production by *Apis mellifera bandasii* in traditional basket and Langstroth moveable-frame hives in Ethiopia. *Journal of Apicultural Research* **41**: 101-106.
 66. Shuttleworth-Edwards AB, Border M, Reid I, Radloff SE (2003) Additive effects of concussion in South African rugby union: A case of a little becoming too much? In: *Sports Neuropsychology*, Eds. Lovell, MR, Echemendia RE, Barth JT, Collins MW. Swets and Zeitlinger, The Lisse, Swets & Zeitlinger, Netherlands **9**: 149-168.
 67. Radloff SE, Hepburn HR, Koeniger G (2003) Comparison of flight design of Asian honeybee drones. *Apidologie* **34**: 353-358.
 68. Kastberger G, Radloff SE, Kranner G (2003) Individuality of wing patterning in Giant honey bees (*Apis laboriosa*). *Apidologie* **34**: 311-318.
 69. Radloff SE, Hepburn HR, Bangay LJ (2003) Quantitative analysis of intracolony and intercolony morphometric variance in honeybees, *Apis mellifera* and *A. cerana*. *Apidologie* **34**: 339-351.
 70. Neumann P, Radloff SE, Pirk CWW, Hepburn HR (2003) The behaviour of drifted Cape honeybee workers (*Apis mellifera capensis*): predisposition for social parasitism? *Apidologie* **34**: 585-590.
 71. Amssalu B, Nuru A, Radloff SE, Hepburn HR (2004) Multivariate morphometric analysis of honeybees (*Apis mellifera*) in the Ethiopian region. *Apidologie* **35**: 71-81.
 72. Shuttleworth-Edwards AB, Kemp R, Rust A, Muirhead J, Hartman N, Radloff S (2004) Cross-cultural effects on IQ test performance: A review and preliminary normative indications on WAIS-III test performance. *Journal of Clinical and Experimental Neuropsychology* **26**(7): 903-920.
 73. Shuttleworth-Edwards AB, Donnelly MJR, Reid I, Radloff SE (2004) A cross-cultural study with culture fair normative indications on WAIS-III digit symbol – incidental learning. *Journal of Clinical and Experimental Neuropsychology* **26**(7): 921-932.
 74. Rivett K, Kruger L, Radloff SE (2004) Infracyanine-assisted internal limiting membrane peeling in macular hole repair: Does it make a difference? *Graefes Archive for Clinical and Experimental Ophthalmology* **242**: 393-396.
 75. Hepburn HR, Neumann P, Radloff SE (2004) Genetic variation in a natural honeybee populations, *Apis mellifera capensis*. *Naturwissenschaften* **91**: 447-450.
 76. Pirk CWW, Hepburn HR, Radloff SE, Tautz J (2004) Honeybee combs: construction through a liquid equilibrium process? *Naturwissenschaften* **91**: 350-353.
 77. Hepburn HR, Radloff SE (2004) The wing coupling apparatus and the morphometric analysis of honeybee populations. *South African Journal of Science* **100**: 565-570.
 78. Radloff SE, Hepburn HR, Fuchs S (2005) The morphometric affinities of *Apis cerana* of the Hindu Kush and Himalayan regions of western Asia. *Apidologie* **36**: 25-30.
 79. Radloff SE, Hepburn HR, Hepburn C, Fuchs S, Otis G, Sein MM, Aung HL, Pham HT, Tam DQ, Nuru AM, Tan Ken (2005) Multivariate morphometric analysis of the *Apis cerana* of southern mainland Asia. *Apidologie* **36**: 127-139.
 80. Hu F, Hepburn HR, Hongzhuan X, Chen M, Daya S, Radloff SE (2005) Effects of propolis on blood glucose, blood lipid and free radicals in rats with diabetes mellitus. *Pharmacological Research* **51**: 147-152.
 81. Hepburn HR, Radloff SE, Otis GW, Fuchs S, Verma LR, Tan Ken, Chaiyawong

- T, Tahmasebi G, Ebadi R, Wongsiri S (2005) *Apis florea*: morphometrics, classification and biogeography. *Apidologie* **36**: 359-376.
82. Barour C, Tahar A, Radloff SE, Hepburn HR (2005) Multivariate analysis of honeybees, *Apis mellifera* Linnaeus (Hymenoptera: Apidae) of the North Eastern and Southern regions of Algeria. *African Entomology* **13** (1): 17-23.
 83. Hu F, Hepburn HR, Li Y, Chen M, Radloff SE, Daya S (2005) Effects of ethanol and water extracts of propolis (bee glue) on acute inflammatory animal models. *Journal of Ethnopharmacology* **100**(3): 276-283.
 84. Radloff SE, Hepburn HR, Fuchs S, Otis GW, Hadisoesilo S, Hepburn C, Tan Ken (2005) Multivariate morphometric analysis of the *Apis cerana* populations of oceanic Asia. *Apidologie* **36**: 475-492.
 85. Hepburn HR, Radloff SE, Koeniger N, Koeniger G, Tingek S (2005) Scaling of the pollen-collecting apparatus and dimensional aspects of foraging flight of honeybees (Hymenoptera: Apidae). *Acta Zoologica Sinica* **51**(5): 947-951.
 86. Moritz RFA, Lattorff HMG, Neumann P, Kraus B, Radloff SE, Hepburn HR (2005) Rare royal families in honeybees. *Naturwissenschaften* **92**: 488-491.
 87. Tan Ken, Hepburn HR, Radloff SE, Yu Yusheng, Liu Yiqiu, Zhou Danyin, Neumann P (2005) Heat-balling wasps by honeybees. *Naturwissenschaften* **92**: 492-495.
 88. Adendorff A, Court P, Radloff S, Boshoff C (2005) The impact of planning on good governance practices in South African Greek family businesses. *Management Dynamics* **14**(4): 34-36.
 89. Pirk CWW, Hepburn HR, Radloff SE (2005) Coefficients of genetic variation in honeybees – Akahira and Sakagami 1959 re-visited. *Honeybee Science* **26**(4): 153-158.
 90. Porri Francesca, McQuaid Christopher, Radloff SE (2006) Spatio-temporal variability of larval abundance and settlement of *Perna perna*: differential delivery of mussels. *Marine Ecology Progress Series* **315**: 141-150.
 91. Porri Francesca, McQuaid Christopher, Radloff SE (2006) Temporal scales of variation in settlement and recruitment of the mussel *Perna perna* (Linnaeus, 1758). *Journal of Experimental Marine Biology and Ecology* **332**: 178-187.
 92. Hepburn HR, Radloff SE (2006) Morphological variation in the pollen collecting apparatus of honeybees. *Journal of Apicultural Research* **45**: 25-26.
 93. Tan Ken, Hepburn HR, He Shaoyu, Radloff SE, Neumann P, Fang Xiang (2006) Gigantism in honeybees: *Apis cerana* queens reared in a mixed species colonies. *Naturwissenschaften* **93**: 315-320.
 94. De la Rúa P, Radloff SE, Hepburn HR, Serrano J (2006) Do molecular markers support morphometric and pheromone analyses? A preliminary case study in *Apis mellifera* populations of Morocco. *Archivos de Zootecnia* **56**: 33-42.
 95. Hepburn HR, Muerrle TM, Radloff SE (2007) The cell bases of honeybee combs. *Apidologie* **38**: 268-271.
 96. Tan Ken, Radloff SE, Hepburn HR, Zhang Lianjiang, Fang Xiang (2007) Environmentally-induced developmental effects on morphometric characters of workers in *Apis cerana* colonies. *Apidologie* **38**: 289-295.
 97. Shiri C, Srinivas S, Futter W, Radloff S (2007) The role of insight into and beliefs about medicines of hypertensive patients. *Cardiovascular Journal of Africa* **18**(6): 408-412.
 98. Ken Tan, Radloff SE, Li JJ, Hepburn HR, Yang MX, Zhang LJ, Neumann P (2007) Bee-hawking by the wasp, *Vespa velutina*, on the honeybees *Apis cerana* and *A. mellifera* quarry. *Naturwissenschaften* **94**: 469-472.
 99. Muerrle TM, Hepburn HR, Radloff SE (2007) Experimental determination of drone congregation areas for *Apis mellifera capensis* Esch. *Journal of Apicultural*

- Research* **46**(3): 154-159.
100. Maree K, Radloff SE (2007) Factors affecting ethical judgement in the South African chartered accountants. *Meditari Accountancy Research* **15**(1): 1-18.
 101. Porri F, Zardi GI, McQuaid CD, Radloff SE (2007) Tidal height, rather than habitat selection for conspecifics, controls settlement in mussels. *Marine Biology* **152**: 631-637.
 102. Tan Ken, Guo YH, Nicolson SW, Radloff SE, Song QS Hepburn HR (2007) Honeybee (*Apis cerana*) foraging responses to the toxic honey of *Tripterygium hypoglaucumum* (Celastraceae): changing threshold of nectar acceptability. *Journal of Chemical Ecology* **33**: 2209-2217.
 103. Van der Hoek MP, Radloff SE (2007) Taxing owner-occupied housing: Comparing the Netherlands to other European Union countries. *Public Finance and Management* **7**(4): 393-421.
 104. Shuttleworth-Edwards AB, Smith I, Radloff SE (2008) Neurocognitive vulnerability amongst University rugby players versus non-contact sport controls. *Journal of Clinical and Experimental Neuropsychology* **30**(8): 870-884.
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165. Petrov P, Radloff SE (2013) Cointegration in Equity Markets: A comparison between South African and major developed and emerging markets. (submitted).
166. Zhengwei Wang, Ken Tan, Radloff SE (2013) Effect of maternity and cell size on morphometric characters and sperm numbers of queen- and worker-derived drones in the Asian honeybee *Apis cerana*. (submitted).
167. Lorentz KBM, Patnala SRS, Skinner MF, Radloff SE, Hepburn HR (2013) Measuring low concentrations of capsaicinoids in *Capsicum baccatum* var. *pendulum* using Ultra-High Performance Liquid Chromatography. (submitted).
168. de Klerk V, Radloff SE (2013) Measuring Sexism at a South African Tertiary Institution. (submitted).
169. Duangphakdee O, Radloff SE, Rod P, Hepburn HR (2013) Azimuth-dependent waggle dances by foragers of the red dwarf honeybee, *Apis florea*. (submitted).
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171. Phiancharoen M, Wongvilas S, Radloff SE, Hepburn HR (2013) Developmental time and body size in high and low-tempo honeybees.
172. Botha F, Snowball J, de Klerk V, Radloff SE (2013) Determinants of student satisfaction with campus residence life at a South African university.
173. Shuttleworth-Edwards AB, Radloff SE, Whitefield-Alexander VJ (2013) Investigational Methods: Vulnerability in Speed of Visuomotor Ability. Concussion book, Oxford.

6. BOOKS

Hepburn HR, Radloff SE (1998)
Honeybees of Africa. Springer-Verlag, Berlin, Germany, pp. 370.

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7. AWARDS

Vice-Chancellor's Distinguished Senior Research Award (2005)
Rhodes University

The International Award for Excellence in the area of Diversity in Organisations, Communities and Nations (2011). Measuring the Effect of Diversity Interventions at a South African Residential University. *International Journal of Diversity in Organizations, Communities and Nations*, **10** (2): 25-46.

Standard Merchant Bank, First Prize (with Professor P. Court) for the best publication in *De Ratione* (1990). The publication: Court P, Radloff S. (Summer 1990) A comparison of multivariate discriminant and logistic regression analysis in the prediction of corporate failure in South Africa. *De Ratione* **4**, No.2: 11-15.

8. RESEARCH PAPERS PRESENTED AT CONFERENCES

NATIONAL

1. Futter WT, Radloff SE, Staude GE
An analysis of the conflict relationships in the marketing channel dyad comprising retail pharmacy managers and medical doctors. *Annual Congress of the Academy of the Pharmaceutical Sciences of South Africa*, March 1989.
2. van Wyk J, Radloff SE
Symmetry and reciprocity in South Africa's foreign relations. *Biennial conference of the Political Science Association of South Africa*, October 1989.
3. van Wyk J, Radloff SE
Symmetry and reciprocity as characteristics of South Africa's dyadic foreign policy behaviour 1977-1989. *Research Colloquium of the Political Science Association of South Africa*, Johannesburg, October 1990.
4. Futter WT, Radloff SE
A classification of the traditional and future roles of the pharmacist. *Annual Congress of the Academy of the Pharmaceutical Sciences of South Africa*, April 1991.
5. Petri LR, Radloff SE, Kanfer I
A controlled clinical trial of the safety and efficacy of phenylpropanolamine in humans. *Annual Congress of the Academy of the Pharmaceutical Sciences of South Africa*, April 1991.

6. Wilson BJ, Radloff SE
Poisoning cases in a semi-urban hospital. *The 26th Annual Conference of the South African Pharmacology Society*, October 1991.
7. Douglas B, Steel G, Futter WT, Radloff SE
Evaluation of retail pharmacists as opinion leaders by endurance athletes. *Annual Congress of the Academy of the Pharmaceutical Sciences of South Africa*, April 1991.
8. Court PW, Radloff SE
A two-stage model for the prediction of corporate failure in South Africa. *The 4th Conference of the Southern Institute for Management Scientists*, June 1992.
9. Tilney RL, Buxton CD, Nelson G, Radloff SE
Dispersal of reef fish larvae in the Tsitisikamma National Park, South Africa. *Zoological Society of Southern Africa Conference: Contemporary Zoology in Southern Africa*, University of Natal, Pietermaritzburg, July 1994.
10. Radloff SE
An implicit function regression with application to the phase equilibria of ternary mixtures found in motor fuels. *South African Statistical Association annual conference*, Berg-en-dal, Kruger National Park, November 1994.
11. Hepburn HR, Radloff SE
Population structure in *Apis mellifera* L. (Hymenoptera: Apidae) along a transect from the Sahara to the Pyrenees. *The 10th Entomological Congress*, Rhodes University, Grahamstown, South Africa, July 1995.
12. Letcher TM, Domańska U, Redhi GG, Radloff SE
LLE of ternary mixtures with sulfolane. *The 33rd Convention of the South African Chemical Institute*, University of Cape Town, January/February 1996.
13. Shuttleworth-Jordan AB, Satz P, Radloff SE
We don't all go together when we go: a shuttle model for the prediction of variability effects in cognitive aging. *The 7th National Neuropsychology Congress*, Barney Hurwitz Hospital and Medical Institute, Johannesburg, April 1998.
14. Shuttleworth-Jordan AB, Ackermann T, Beilinson T, Border M, Radloff S
A study on the effects of cumulative mild head injury in high school rugby. *The 8th National Conference of the SA Clinical Neuropsychological Association (SACNA)*, University of Cape Town, Cape Town, September 2001.
15. Amssalu B, Nuru A, Radloff SE, Hepburn HR
Multivariate morphometric analysis of Ethiopian honeybees. *The 37th International Apicultural Congress*, Durban, November 2001.
16. Hepburn HR, Radloff SE
Thelytokous parthenogenesis in laying workers of *Apis mellifera capensis*. *37th International Apicultural Congress*, Durban, November 2001.
17. Court P, Radloff SE, Maree KW
An assessment of certain financial measures as indicators of intellectual value. *11th Annual Conference of the South African Finance Association*, Cape Town, January 2002.
18. Sharp G, Radloff SE, Szyszkowski I
Lag length selection in cointegrated series. *48th Annual Conference of the South African Statistical Association*, Grahamstown, November 2005.

19. Shiri C, Srinivas S, Radloff S
Effect of Educational Interventions in Modifying Health Care Receivers' Beliefs about Medicines. *South African Association of Hospital and Institutional Pharmacists (SAAHIP)*, Wilderness, 9-12 March 2006.
20. Maree K, Radloff SE
An analysis of factors affecting ethical judgement: the South African evidence. Grahamstown, May 2006.
21. Sharp G, Radloff SE
Information criteria as a tool for lag length selection of vector error correction models. *The 49th Annual Conference of the South African Statistical Association*, Stellenbosch, November 2006.
22. Magadza C, Srinivas S, Radloff S
Simple, but Effective Educational Intervention to Increase Knowledge about Hypertension and its Therapy. *The South African Association of Hospital and Institutional Pharmacists (SAAHIP)*, Drakensberg, 6-9th March 2008.
23. Hepburn C, Radloff SE, Villet MH, Hill MP
Composition and phenology of insect pests of *Capsicum baccatum* (Solanaceae) cultivated in the Makana district, Eastern Cape Province, South Africa. *The 23rd International Congress of Entomology*, International Convention Centre, Durban July 2008.
24. Hepburn C, Radloff, SE, Villet MH, Hill MP
False positives in an agricultural context. In: *Proceedings of the 16th Congress of the Entomological Society of Southern Africa*. 5-7th July 2009, Stellenbosch, South Africa.
25. Petrov P, Radloff SE
Cointegration in Equity Markets: A comparison between SA and major developed and emerging markets. *The 52nd Annual Conference of the South African Statistical Association*, North-West University, Potchefstroom, November 2010.
26. Horsman, M, Shuttleworth-Edwards, AB and Radloff, SE.
Cross-cultural comparisons of performance for WAIS-III and WISC-IV digit symbol coding incidental learning: norms and their practical application. *12th biennial South African clinical neuropsychological society (SACNA) conference*. Indaba hotel and conference centre, Johannesburg, South Africa. March 2010.
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Cross-cultural comparisons of WAIS-III and WISC-IV tet performance: a collation of norms and their practical application. *12th biennial South African clinical neuropsychological society (SACNA) conference*. Indaba hotel and conference centre, Johannesburg, South Africa. March 2010.
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Neurocognitive and symptom profiles of provincial Rugby Union players without current diagnosis of concussion over one rugby season. *17th South African Psychology Congress*. Emperors Palace, Johannesburg, September 2011.
29. de Klerk V, Radloff SE
Measuring Sexism at a South African Tertiary Institution. *SAASAP Conference (Student Affairs Practitioners)*, Stellenbosch, October 2011.
30. Petrov P, Radloff SE
Model Selection in Cointegration Analysis: An Application to Global All Share Indices. *The 53rd Annual Conference of the South African Statistical Association*, CSIR International Convention Centre, Pretoria, 31 October – 4 November 2011.
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Bayesian Logistic Regression for Credit Scoring. *The 53rd Annual Conference of the South African Statistical Association*, CSIR International Convention Centre, Pretoria, 31 October – 4 November 2011.

INTERNATIONAL

1. Letcher TM, Radloff S, van der Watt P
Two new equations for expressing phase equilibria in three component partially miscible mixtures. *The 11th IUPAC Conference on Chemical Thermodynamics in Como, Italy, August 1990.*
2. Hepburn HR, Radloff SE
Biogeographical correlates of population variance in the honeybees (*Apis mellifera*) of Africa. *The 20th International Entomological Congress, Florence, Italy, August 1996.*
3. Shuttleworth-Jordan AB, Satz P, Radloff SE
Inter-individual variability on cognitive test performance in older adults: Can a lawful pattern be identified? *International Neuropsychological Society 20th Annual Conference, Bergen, Norway, June 1997.*
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Population structure of the honeybees of Africa classified as *Apis mellifera scutellata*. *The XIII International Congress of IUSI, Adelaide, Australia, January 1999.*
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Mountain honeybees of Africa. *The 36th International Conference of Apimondia, Vancouver, Canada, September 1999.*
6. Reid I, Shuttleworth-Jordan AB, Ancer R, Dickinson A, Radloff S, Jakoet I
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Flight machinery of honeybees (Hymenoptera: Apidae, *Apis*). *The seventh IBRA Conference on Tropical Bees: Management and Diversity and Fifth Asian Apicultural Association Conference, Chiang Mai, Thailand, March 2000.*
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11. Hepburn HR, Radloff SE, Neumann P, Moritz RFA
Morphological variation in honeybees: recent developments. *Arbeitsgemeinschaft der Institut fur Bienenforschung e.V., Bad Beuenahr-Ahrweiler, Germany, March*

- 2001.
12. Radloff SE, Hepburn HR
Multivariate morphometric analysis of the *Apis cerana* populations of southern Asia. *The XIV International Congress of the IUSSI*, Hokkaido University, Sapporo, Japan, July 2002.
 13. Neumann P, Radloff SE, Pirk CWW, Hepburn HR
The behaviour of drifted Cape honeybee workers (*Apis mellifera capensis*): predisposition for social parasitism? *Association of Institutes for Bee Research Report of the 50th Seminar in Schmitten-Arnoldshaim*, Germany, 25-27 March 2003.
 14. Radloff SE
Sampling distance, colony sample size, individual bee sample size, aspects of multivariate morphometric analysis of the *Apis cerana* populations of southern Asia. Yunnan University, Kunming, China, December 2004.
 15. Shuttleworth-Edwards A, Radloff SE
Residual deficits in visuo-perceptual processing in players of Rugby Union from school through to the professional level. *28th mid-year annual meeting of the International Neuropsychological Society*, Dublin, Ireland, July 2005.
 16. Spiewok S, Radloff SE, Neumann P
Forensics of abandoned honeybee colonies: reproduction of small hive beetles and greater wax moths. *EurBee Conference*, Prague, Slovakia, 2006.
 17. Muerrle T, Neumann P, Hepburn HR, Radloff SE
Preferential queen rearing from worker offspring in Cape honeybees, *Apis mellifera capensis* Esch. *40th Proceeding of the Apimondia International Apicultural Congress*, Melbourne, Australia, July 2007.
 18. Whitefield V, Shuttleworth-Edwards A, Radloff SE
Neuropsychological profile of contact versus non-contact sports players at grade 12 level. *30th mid-year annual meeting of the International Neuropsychological Society*, Bilbao, Spain, July 2007.
 19. Sharp G, Radloff SE
Lag length selection for error corrected models. *ISI Conference*, Lisboa, Portugal, August 2007.
 20. Shuttleworth-Edwards A, Whitefield V, Radloff SE, Taylor AM, Lovell MR
Baseline neuropsychological profiles of South African rugby versus US football players from 11 to 21 years. *3rd International Conference of Sports Concussion*, Zurich, Switzerland, October 2008.
 21. Yang M-X, Radloff SE, Hepburn HR
Anti-predator fan-blowing in guard bees, *Apis mellifera capensis* Esch., *The Ninth Asian Apicultural Association Conference*, University of Zhejiang, Hangzhou, China, November 2008.
 22. Yang M-X, Radloff SE, Hepburn HR
Cascading ovarian activation in queenright and queenless, conspecific and mixed-species colonies of the honeybees *Apis cerana* and *Apis mellifera*. *The Ninth Asian Apicultural Association Conference*, University of Zhejiang, Hangzhou, China, November 2008.
 23. Yang M-X, Crous K, Radloff SE, Hepburn HR
Testing potential cues triggering balling behaviour in *Apis cerana*. *The Ninth Asian Apicultural Association Conference*, University of Zhejiang, Hangzhou, China, November 2008.

24. Duangphakdee O, Phiancharoen M, Radloff SE, Pirk CWW, Hepburn HR
Noonday lull in the dances of the red dwarf honeybees, *Apis florea*. *International Conference on Apitherapy Health Care and International Bee Products Conference and Exposition*. Chiang Rai, Thailand. November 2009.
25. Smith I, Shuttleworth-Edwards A, Radloff SE
Is rugby bad for your intellect? The effect of repetitive mild head injuries on the neurocognitive function of university rugby players. *27th International Congress of Applied Psychology (ICAP) Division 6 Clinical and Community Psychology/APS College of Clinical Psychologists and APS College of Community Psychologists*. Melbourne Convention and Exhibition Centre, Melbourne. Australia. July 2010.
26. Andrews K, Wong AJ, Shuttleworth-Edwards AB, Radloff SE
Normative indications for Xhosa-speaking unskilled workers on the Trail Making Test and the Stroop Test. *12th Biennial South African Clinical Neuropsychological Society (SACNA) conference*. Indaba hotel and conference centre, Johannesburg. South Africa. March 2010.
27. Fike L, Knoetze JJ, Shuttleworth-Edwards AB, Radloff SE
Cross-cultural normative indicators for a Black IsiXhosa-speaking population without tertiary education on WMS visual and verbal memory subtests. *12th biennial South African Clinical Neuropsychological Society (SACNA) Conference*. Indaba hotel and conference centre, Johannesburg. South Africa. March 2010.
28. Wong AJ, Shuttleworth-Edwards AB, Radloff SE
Normative indicators for a black Xhosa-speaking population without tertiary education on four tests used to assess malingering. *12th Biennial South African Clinical Neuropsychological Society (SACNA) Conference*. Indaba hotel and conference centre, Johannesburg. South Africa. March 2010.
29. Duangphakdee O, Radloff SE, Pirk CWW, Hepburn HR.
Waggle dance in the red dwarf honeybee, *Apis florea*, exhibits pronounced lulls associated with Azimuths. *10th Asian Apicultural Association Conference and Apicultural Exhibition*. Busan Exhibition and Convention Centre, Busan. South Korea. November 2010.
30. Clark SB, Shuttleworth-Edwards AB, Radloff SE
Neuropsychological profiles of provincial Rugby Union players diagnosed with concussion over one rugby season. Current research outcomes on computerized neurocognitive screening within the South African sports concussion arena. *The International Congress of Psychology*, Cape Town International Convention Centre (CTICC), Cape Town, South Africa. July 2012.
31. Zoccola D, Shuttleworth-Edwards AB, Radloff SE
Deleterious neurocognitive effects in association with participation in Club level Rugby Union. Current research outcomes on computerized neurocognitive screening within the South African sports concussion arena. *The International Congress of Psychology*, Cape Town International Convention Centre (CTICC), Cape Town, South Africa. July 2012.
32. Horsman M, Shuttleworth-Edwards AB, Smith I, Radloff SE
Normative data for adolescent rugby players on the Afrikaans version of the ImPACT neurocognitive screening test. Current research outcomes on computerized neurocognitive screening within the South African sports concussion arena. *The International Congress of Psychology*, Cape Town International Convention Centre (CTICC), Cape Town, South Africa. July 2012.
33. Salman-Godlo T, van Ommen C, Shuttleworth-Edwards AB, Radloff SE
Preliminary normative data on Xhosa-speaking high school learners on the ImPACT programme. Current research outcomes on computerized neurocognitive

- screening within the South African sports concussion arena. *The International Congress of Psychology*, Cape Town International Convention Centre (CTICC), Cape Town, South Africa. July 2012.
34. Shuttleworth-Edwards AB, Whitefield-Alexander VJ, Horsman M, Smith I, Radloff SE
Practice effects reveal visuo-motor vulnerability in school and university rugby playing scholars at the end of the season. Current research outcomes on computerized neurocognitive screening within the South African sports concussion arena. *The International Congress of Psychology*, Cape Town International Convention Centre (CTICC), Cape Town, South Africa. July 2012.
35. Botha F, Snowball J, de Klerk, V, Radloff SE
Determinants of student satisfaction with campus residence life at a South African university. The 11th Conference of *the International Society for Quality of Life Studies: Investigating new frontiers in quality of life research*, Ca Foscari University, Venice, Italy, November 2012.
36. de Klerk V, Radloff SE
The use of surveys as a tool to inform intervention strategies to enhance social inclusion. 15th International First Year in Higher Education *Conference*, Brisbane, Australia, June 2012. ISBN: 978-1-921897-39-9 | CRICOS No. 00213J

9. ACADEMIC TEACHING

Undergraduate Courses

During the 40 years employed at Rhodes University lectures given in the following courses offered by the Department of Statistics.

Statistics 101 and 102

Theory of Finance

Statistics ID

Mathematical Statistics 201 and 202

Mathematical Statistics 301 and 302

Applied Statistics 301 and 302

Lectures given in Statistical Process Control to students registered for the Diploma in Leather Research at LIRI (1996 to 2000).

Lectured Summer School courses in Statistics 1D, Statistics 101 and Theory of Finance (1993 to 2000, 2002, 2005, 2008, 2010 to date).

Postgraduate Courses

Teaching

Lectured students in Honours and Masters courses in the following papers:

Econometrics, Experimental Design, Distribution Theory, Regression analysis and Generalized Linear Models in the Department of Statistics.

Lectured an Honours paper in Econometrics to Honours students in the Department of Economics and Economic History (1996 to 1999).

Introduced a postgraduate Quantitative Research Methodology course for students (+/- 60) from MBA, Life Sciences and Commerce in 2001 to date.

Presented seminars on Quantitative Research Methodology to Masters students in Journalism (2001, 2002).

Supervision

Master's degree

Supervision

Supervised **12 MSc** students (1995-2004).

Supervised **1 MCom** student (D. Winn, 2005-2006).

Supervised **1 MSc** student (V. Goodall, 2005-2006).

Supervised **1 MSc** student (A. Northrop, 2006-2007).

Supervised **1 MCom** student (P. Petrov, 2009-2010).

Supervised **1 MCom** student (G. Webster, 2010-2011).

Co-supervision

1 MSc student in Entomology

K. Crous (2008-2009)

Present supervision

2 MSc students (2014-?)

PhD degrees

Supervision

1 PhD student in Mathematical Statistics

G. Sharp (2002-2009).

Co-supervision: 8 PhD

6 PhD students in Entomology

A.M. Nuru (2000-2001),

B.A. Amssalu (2000-2001),

C.W.W. Pirk (2001-2002),

F. Hu (2003-2004).

T. Muerrle (2005-2007)

M. X. Yang (2008-2009)

1 PhD student in Economics

L.J.C. Viljoen (2001-2003).

1 PhD student in Management

C.M. Adendorff (2003-2004).

Present supervision

Supervision

1 PhD student (2014-?)

Co-supervision

1 PhD student in Entomology

K. Lorentz (2009- ?)

Teaching and Learning Policies

Wrote the Statistics Student Handbook in which the curricula, aims and objectives, and assessment criteria for all courses offered in the Department of Statistics are clearly communicated to the students.

10. ACADEMIC CONSULTATION

During the past 28 years I have given statistical advice and supervision to, as well as assisted in data analyses for both members of staff and students in 27 Departments and 7 Research Institutes at Rhodes University.

Consultant Statistician at the Biopharmaceutics Research Institute, Rhodes University 1988-2005.

Quantitative Research Methods courses given to:

Environmental Science and Botany honours students,
Zoology and Entomology honours students,
Psychology honours and masters students,
Political Studies honours students,
Anthropology 2 and 3 students,
Education masters students,
Sociology 2 and Industrial Sociology 2 students,
Information Systems honours students,
Human Kinetics Studies honours and masters students,
Management honours students,
Geography masters students,
MBA students.

11. ADMINISTRATION

On the Boards of the following Faculties:

Humanities	1997 to 2008, 2012 to present
Commerce	1992 to present
Pharmacy	1996 to 2008, 2011, 2012 to present
Science	1974-1978; 1986 to present.

Departmental administration

Invited and organised the visits of the following visiting Professors to the Department of Statistics at Rhodes University:

Professor F. Lombard (RAU, SA, 1999),
Professor P. Fatti (University of the Witwatersrand, SA, 2000),
Professor T. de Wet (Stellenbosch University, SA, 2001),
Professor R. Koenker (Illinois, USA, 2001),
Dr G. Matthews (University of Kwazulu Natal, SA, 2002),
Professor G. Jorgenen (University of Southern Denmark, 2002),
Professor D. de Waal (University of the Free State, SA, 2003),
Professor T. Hastie (Stanford University, USA, 2003),
Professor R. de Jongh (University of Potchefstroom, SA, 2004),

Professor P. Holmes (Nottingham Trent University, **UK**, 2004),
Professor A. Dale (University of Kwazulu Natal, **SA**, 2005),
Professor P. Hall (Australian National University, **Australia**, 2005),
Professor N. Veraverbeke (Universiteit Hasselt, **Belgium**, 2005),
Professor M. Kenward (London School of Hygiene and Tropical Medicine, **UK**, 2006),
Professor L. Haines (University of Cape Town, **SA**, 2007),
Professor K. Bollen (University of North Carolina, **USA**, 2007),
Dr A. Neethling (Stellenbosch University, **SA**, 2008),
Dr P. Debba (CSIR, **SA**, 2009),
Dr I. Garisch (University of the Free State, **SA**, 2010),
Dr T. Berning and I. Contardo-Berning (Stellenbosch University, **SA**, 2011),
Ms V. Goodall (SAEON (SA Environmental Observation Network), **SA**, 2011),
Professor N. Balakrishnan (McMaster University, **Canada**, 2011),
Professor P. Mostert (Stellenbosch University, **SA**, 2012),
Professor T. de Wet (Stellenbosch University, **SA**, 2013),
Dr P. van Deventer (Stellenbosch University, **SA**, 2013),
Dr J Allison (North-West University, Potchefstroom Campus, **SA**, 2013),
Professor N. Veraverbeke (Universiteit Hasselt, **Belgium**, 2014),
Professor P. Janssen (Universiteit Hasselt, **Belgium**, 2014),
Professor J. Swanepoel (North-West University, Potchefstroom Campus, **SA**, 2014),

Date: February 2014

Signed: Sarah E Radloff