

CURRICULUM VITAE

Personal Data



Surname: Steenhuisen
First names: Sandy-Lynn
Title: Associate Professor
Identity Number: 810519 0075 084
Passport number: A06422613
Date of Birth: 19 May 1981
Sex: Female
Marital Status: Single
Driver's License: Yes, code 08
Nationality: South African
Home Language: English
Other Languages: Afrikaans (fair)
Health: Excellent (blood donor)

Home/Postal Address: 8 Geelhout Avenue, Kings Hill
Harrismith, 9880
Email address: sandysteenhuisen@gmail.com/SteenhuisenS@ufs.ac.za
Telephone Number: 021 762 8871 (Home)
072 124 5538 (Cell)
058 718 5330 (UFS Qwaqwa Office)
Office Address: Department of Plant Sciences
Room 2006, Natural and Agricultural Sciences Building
Faculty of Natural and Agricultural Sciences
Qwaqwa Campus, University of the Free State
Kestell/Qwaqwa Road
Phuthaditjhaba
9866

Academic Ratings (accessed April 2023):

NRF rating: **C2** (1 Jan 2023-current, Y1 Jan 2017-Dec 2022)
H-score (All): 14 (556 citations, April 2023)
H-score (since 2018): 13 (386 citations, Feb 2023)
i10-index (All): 20 (April 2023)
i10-index (since 2018): 17 (April 2023)
Scopus h-index: 12 (364 citations, Feb 2023)
ORCID ID: 0000-0002-6128-0654

Higher Education

Degrees obtained: Bachelor of Science (summa cum laude) (Majoring in
Zoology, Entomology and Botany at University of
Natal), 2001
Bachelor of Science Honours (cum laude) (Majoring in
Ecology and Conservation Biology at University of
Natal), 2002

(Supervisor: Prof. SD Johnson)
PhD (Ecological Sciences)
(upgraded from Masters October 2006)
(University of KwaZulu-Natal), graduated April 2012
(Supervisor: Prof. SD Johnson)
Title: Mating systems, insect pollination and chemical ecology of grassland *Protea* species (Proteaceae)

Leadership roles before UFS:

Class representative for various modules
SASC (Science and Agriculture Student Council) secretary, and representative of the School of Botany and Zoology
Manager for Pollination Ecology Lab at UKZN

Extramural Activities:

Ultimate Frisbee, Crochet, Line dancing, Evangelistic Missions

Educational Qualifications

Last school attended:

Kloof High School
Kloof, KwaZulu-Natal, South Africa

Highest standard passed:

Matriculated with exemption 1998

Subject passed:

English First Language HG
Afrikaans Tweede Taal HG
Mathematics HG
Physical Science HG
Biology HG
Geography HG
Additional Mathematics

Distinctions obtained:

English HG
Biology HG
Physical Science HG
Geography HG
Mathematics HG

Aggregate:

A

Prizes & Awards:

Academic Colours 1998

Leadership roles:

Class representative for various subjects
Drum Majorette Flag Team Captain 1993
SMILE (rural education project)
Library assistant
Tennis (Social)

Extramural activities:

Other Qualifications

Beginners Sign Language
Beginners First Aid
Leadership course

Employment History

June 2001-July 2001

Research assistant on South African Dragonfly database project

Employer	Prof S. Piper, School of Botany and Zoology, University of Natal
June 2001-June 2001	Technical and administrative assistant at Entomological Conference
Employer	University of Natal
March 2002-November 2008	Teaching assistant, Practical leader and examination invigilator for undergraduate Biology courses
Employer	School of Biological and Conservation Sciences, University of KwaZulu-Natal
June 2005-November 2005	Replacement lecturer for final year undergraduate course on Plant-Animal interactions, and practical/fieldtrip coordinator
Employer	Prof SD Johnson, School of Biological and Conservation Sciences, University of KwaZulu-Natal
February 2010-April 2010 (USA winter semester)	Lecturer and Course Coordinator (adjunct professor) for Biol 325: Humans and the Environment
Employer	Reg Codrington, Azusa Pacific University, South African Semester
July 2008-May 2012	Laboratory technician/manager for Pollination Ecology Research Group
Employer	Prof SD Johnson, School of Biological and Conservation Sciences, University of KwaZulu-Natal
February 2012-May 2012	University of KwaZulu-Natal Postdoctoral Fellow
Employer/Supervisor	Prof SD Johnson, School of Life Sciences, University of KwaZulu-Natal
May 2012-May 2014	Claude-Leon Foundational Postdoctoral Fellow
Employer/Supervisor	Prof J Midgley, Department of Biological Sciences, University of Cape Town
June 2014-December 2016	NRF Research Career Advancement Fellow
Employer/Mentor	Prof J Midgley, Department of Biological Sciences, University of Cape Town
Jan 2017-2022	Senior lecturer; Department of Plant Sciences; University of the Free State; Qwaqwa Campus
	Department Head: Prof Liezel Herselman
Jan 2020-current	Subject Head: Department of Plant Sciences; University of the Free State; Qwaqwa Campus
	Department Head: Prof Liezel Herselman
Jan 2023-current	Associate Professor; Department of Plant Sciences; University of the Free State; Qwaqwa Campus
	Department Head: Prof Liezel Herselman

Referees:

Associate Prof Craig Peter (Head of Department), Department of Botany, Rhodes University, Schonland Building, Lucas Ave, Grahamstown, 6140, South Africa (tel: +27 (0) 46 603 7398 / 8592; email: c.peter@ru.ac.za)

Prof Karen Joan Esler (Distinguished Professor, Head of the Department of Conservation Ecology & Entomology), Room 3011, JS Marais Building, Victoria Street, Stellenbosch University, Stellenbosch, (tel: +27 21 808 4005; email: kje@sun.ac.za)

Assistant Prof Anna Hargreaves, Department of Biology, McGill University, Montreal, Canada (tel: (514) 398 7401; email: anna.hargreaves@mcgill.ca)

TEACHING & LEARNING

Summary of postgraduate/postdoctoral supervision (since 2013):

Postgraduate level	Graduated/completed	Currently supervising/co-supervising/hosting
Honours	10	1
Masters	6	8
Doctoral	2	4
Postdoctoral	1	1

Student Supervision

Honours

1. Nicola Kuhn (UCT) – **Community ecology of small-mammal pollinated proteas**; Main supervisor: Sandy-Lynn Steenhuisen (UCT); Co-supervisor: Jeremy Midgley (UCT); Graduated December 2013
2. Sarah Catto (UCT) - **Are small mammals attracted to nectar scent cues provided by ground *Protea* species of the Western Cape? A preliminary investigation**; Main supervisor: Sandy-Lynn Steenhuisen (UCT); Co-supervisor: Jeremy Midgley (UCT); Graduated April 2016
3. Kylie Pires (UCT) - **The role of Cape honeybees in determining coexistence of *Erica* species**. Main supervisor: Sandy-Lynn Steenhuisen (UCT); Co-supervisor: Timotheus Van der Niet (UKZN); Graduated April 2017.
4. Patricia Mosale (UFS) – **The current status of *Berberis* species invasions in Golden Gate Highland National Park**. Main Supervisor: Dr Sandy-Lynn Steenhuisen (UFS); Co-supervisor: Dr Grant Martin (Rhodes University). Graduated April 2021
5. Thulile Buthelezi (UFS) – **A comprehensive survey of the invasive alien plant species in rest camps of Golden Gate Highlands National Park**. Main Supervisor: Dr Sandy-Lynn Steenhuisen (UFS); Co-supervisors: Dr Vincent Ralph Clark (ARU), Dr N. Cole (SANBI), Dr Grant Martin (Rhodes University). Graduated April 2023
6. Lindokuhle Mdakane (UFS) – **Endemic plants with limited population numbers and range in the Maloti-Drakensberg: How has our knowledge changed over 17 years?** Main Supervisor: Dr Sandy-Lynn Steenhuisen (UFS); Co-supervisors: Dr Vincent Ralph Clark (ARU). Graduated April 2021

7. Tapiwanashe Mashamba (UFS) – **Battle of the sexes in the Hidden flowers? Effects of variation in plant phenotypic gender on male and female reproductive success in monoecious *Guthriea capensis***. Main Supervisor: Dr Sandy-Lynn Steenhuisen (UFS); Co-supervisor: Dr Ruth Cozien (UKZN). Graduated May 2022
8. Ntombenhle Radebe (UFS) - **Pollination ecology and breeding system of the rare alpine amaryllid *Nerine bowdenii* subspecies *wellsii***. Main Supervisor: Dr Sandy-Lynn Steenhuisen (UFS); Co-supervisor: Dr Ruth Cozien. (UKZN) Graduated May 2022
9. Sinethemba Sibisi (UFS) – **Survey of insects associated with *Gomphocarpus fruticosus* (Apocynaceae), a South African plant invading Australia**. Main Supervisor: Dr Sandy-Lynn Steenhuisen; Co-supervisor: Dr Grant Martin. Graduated April 2023
10. Gcinile Carvalho (UFS) – **Impact of invasive alien Rosaceae species on soil properties and seed germination in Afromontane grasslands of the eastern Free State**. Main Supervisor: Dr Sandy-Lynn Steenhuisen (UFS); Co-supervisor: Dr Grant Martin (Rhodes University). Graduated April 2023
11. Zinhle Sithole (UFS) - **The role of mammals in the seed dispersal of the invasive plant species, *Rosa rubiginosa*, in the Free State rangelands**. Main Supervisor: Dr Grant Martin (Rhodes University); Co-supervisor: Miss Karabo Moloi (UFS), Prof Sandy-Lynn Steenhuisen (UFS). Current

Masters

1. Alice Balmer (University of Zurich) – **The pollination and breeding system of penduline *Protea* species**; Main supervisor: Dennis Hansen (Uni Zurich); Co-supervisor: Steve Johnson (UKZN); Collaborator: Sandy-Lynn Steenhuisen (UCT); Graduated April 2013
2. Kim Zoeller (UCT) - **The reproductive biology of four geoflorous *Protea* species (Proteaceae)**; Main supervisor: Sandy-Lynn Steenhuisen (UCT); Co-supervisors: Steve Johnson (UKZN) and Jeremy Midgley (UCT); Graduated December 2014
3. Roderick Bouman (Leiden University) - **Shifts in pollination system between species in the *Erica imbricata/coccinea* clade**; Main supervisor: Timotheus van der Niet (currently UKZN); Co-supervisor: Sandy-Lynn Steenhuisen (UCT); University of Leiden, The Netherlands; Graduated September 2015
4. Yolanda Chirango (UCT) - **The pollination ecology of Cape milkweeds (Asclepiadoideae)**; Main Supervisor: Sandy-Lynn Steenhuisen (UCT); Co-supervisors: Jeremy Midgley (UCT), Adam Shuttleworth (UKZN); Graduated April 2017.
5. Adele Cormac (UCT) – **How the community structure of small mammals is influenced by flowering of ground *Protea* species**; Main supervisor: Sandy-Lynn Steenhuisen (UCT); Co-supervisors: Jeremy Midgley (UCT), Mike Cramer (UCT); January 2015-submitted 2018, re-examination required, deregistered
6. Moralebona Gullit Maphatlalatshe (UFS, Qwaqwa) - **Ecological niche modelling for selected grassland species in the Maloti-Drakensberg Transfrontier Park**; Internal supervisor: Sandy-Lynn Steenhuisen (UFS); Main supervisor: Erwin Sieben (UKZN); Co-supervisor: Timothy G. O'Connor (SAEON); January 2016-deregistered
7. Megan Smith (UCT) – **Population genetics of South African *Protea* L. (Proteaceae) species associated with various pollinator guilds**; Main supervisor: Jeremy Midgley (UCT); Co-

supervisors: Sandy-Lynn Steenhuisen (UFS), Rachel Prunier (Western Connecticut State University); Graduated December 2019 <http://hdl.handle.net/11427/31267>

8. Lehlohonolo Donald Adams (University of the Free State) – **Reproductive ecology and invasiveness of *Pyracantha* species in the Eastern Free State**; Main supervisor: Sandy-Lynn Steenhuisen (UFS); Co-supervisors: Dr Vincent Ralph Clark (ARU), Dr Grant Martin (Rhodes University); April 2018 – Graduated April 2021 <http://hdl.handle.net/11660/11252>
9. Karabo Moloi (University of the Free State) – **Reproductive ecology and invasiveness of *Cotoneaster* species in the Eastern Free State**; Main supervisor: Dr Sandy-Lynn Steenhuisen (UFS); Co-supervisors: Dr Vincent Ralph Clark (ARU), Dr Grant Martin (Rhodes University); February 2020 – degree awarded with Distinction (78%) June 2022
10. Patricia Masole (UFS) – **Critical factors affecting seed dispersal and germination of invasive alien *Rosa rubiginosa* in the eastern Free State**. Main Supervisor: Dr Grant Martin (Rhodes University); Co-supervisor: Prof Sandy-Lynn Steenhuisen (UFS), Dr Stephanie Payne. 2021-Current
11. Nthambeleni Bologo (UFS) – **Impacts of the invasive alien plant species clearing programme on socio-economic benefits and plant biodiversity along the Eastern Escarpment, South Africa**. Main Supervisor: Dr Grant Martin (Rhodes University); Co-supervisor: Prof Sandy-Lynn Steenhuisen (UFS). 2021-Current
12. Thandwayo Mbambo (UKZN) – **Grassland forb reproduction in drought-stressed systems**. Main Supervisor: Dr Michelle Tedder (UKZN); Co-supervisor: Prof Sandy-Lynn Steenhuisen (UFS). 2021-Current
13. Tapiwanashe Mashamba (UFS) – **Current status and reproductive ecology of invasive alien *Salix* species in the Grassland Biome of South Africa**. Main Supervisor: Prof Sandy-Lynn Steenhuisen (UFS); Co-supervisor: Dr Grant Martin (Rhodes University), Dr Stephanie Payne. 2022-Current
14. Lesego Malekana (UFS) – **Impact and management of range expanding Rosaceae species along elevational gradients in the Maloti-Drakensberg (RangeX 1.3)**. Main Supervisor: Prof Vincent Ralph Clark (ARU); Co-supervisors: Dr Grant Martin (Rhodes University), Prof Sandy-Lynn Steenhuisen (UFS). 2022-Current
15. Lumko Mboyi (UFS) – **Invasion patterns and impacts of the grass *Nassella tenuissima* in the eastern Cape Drakensberg, South Africa**. Main Supervisor: Prof Vincent Ralph Clark (ARU); Co-supervisor: Prof Sandy-Lynn Steenhuisen (UFS); Collaborators: Dr Kim Canavan (Rhodes University), Dr Anthony Mapaura (UFS). 2022-Current
16. Victoria Roetger (Wits) - **Plant-pollinator networks along an altitudinal gradient in the Drakensberg Mountain Centre – implications for climate change**. Main supervisor: Prof Glynis Goodman-Cron (Wits); Co-supervisor: Prof Sandy-Lynn Steenhuisen (UFS). 2023-current
17. Thembelihle Mbele (UFS) - **Invasive status of pampas grass in South Africa**. Main supervisor: Dr Kim Canavan (Rhodes University); Co-supervisor: Prof Sandy-Lynn Steenhuisen (UFS). 2023-current
18. Thulile Buthelezi - **The reproductive and pollination ecology of the South African endemic, *Euphorbia clavaroides***. Main Supervisor: Prof Sandy-Lynn Steenhuisen (UFS); Co-supervisor: Dr Stephanie Payne-Smith (UFS), Prof Dave Thompson (SAEON). 2023-current

Doctoral

1. Laetitia Voua Otomo (University of the Free State) - **Bioactivity, isolation and characterisation of compounds from plants used against secondary infections associated with elephantiasis in KwaZulu-Natal, South Africa**; Main supervisor: Prof Lisa Komoreng (University of Fort Hare); Co-supervisors: Dr Sandy-Lynn Steenhuisen (UFS), Prof. MMO Thekiso (North-West University), Dr S. Sabiu (UFS); January 2017 – Graduated April 2022
2. Anthony Mapaura (University of the Free State) – **Determining the trajectory of graminoid invasions in southern Africa's mountains: The case of *Nassella***; Main supervisor: Sandy-Lynn Steenhuisen (UFS); Co-supervisors: Vincent Ralph Clark (ARU), Kim Canavan (Rhodes University), David Richardson (CIB, Stellenbosch University); April 2019 – Graduated April 2023
3. Lehlohonolo Donald Adams (UKZN) – **Fleshy-fruited invasive alien plants in the eastern South Africa: Assessing ecosystem services, community perceptions, risk and management**; Main supervisor: Prof Colleen Downs (UKZN); Co-supervisors: Dr Grant Martin (Rhodes University), Prof Sandy-Lynn Steenhuisen (UFS). January 2021 – current
4. Jessica Minnaar (University of the Witwatersrand) - **Circumscription of the genus *Galtonia*, a Drakensberg near-endemic genus, and potential contribution of habitat differences to speciation and genetic diversity**; Main Supervisor: Prof Glynis Goodman-Cron (Wits University); Co-supervisor: Prof Sandy-Lynn Steenhuisen (UFS). December 2021 – current
5. Karabo Moloi (University of the Free State) – **The abiotic and biotic factors driving the invasion of alien invasive Rosaceae species in grasslands of South Africa**. Main Supervisor: Dr Grant Martin (Rhodes University); Co-supervisor: Prof Sandy-Lynn Steenhuisen (UFS), Dr Stephanie Payne. July 2022 – current
6. Sphindile Dlamini (University of the Free State) – **Socio-ecological impact of invasive wattle in the eastern Free State**. Main Supervisor: Prof Aliza Le Roux; Co-supervisor: Dr Grant Martin (Rhodes University) Prof Sandy-Lynn Steenhuisen (UFS). July 2023 – current

Postdoctoral

1. Dr Nicholas Le Maitre (University of the Free State), April 2019 – May 2020
2. Dr Stephanie Payne (University of the Free State), January 2022 – Current

Lecturing duties at the University of the Free State, Qwaqwa campus 2017 to current:

1. BOTA 3734: Introduction to Plant Taxonomy and Systematics, final year undergraduate course (1st semester, 2017-current); 3 hrs lectures and 3 hrs practical per week for 15 weeks, 17-35 students
2. BOTA 3754: Vegetation Ecology, final year undergraduate course (1st semester, 2017-current); 3 hrs lectures and 3 hrs practical per week for 15 weeks, 29-54 students
3. BOTA 6814: Restoration Ecology, Honours course (1st semester, 2017-2019); 3 hrs lectures per week and 1 day's practical over 15 weeks, 3-4 students
4. BIOL 6834: Advanced Biostatistics, Honours course (1st semester, 2018-current); 3 hrs lectures and tutorials per week for 15 weeks, 6-12 students

5. BOTA 6808: Botany Research Project for Honours (year-long, 2020-current); supervision, conceptualisation, field and laboratory mentorship, editing and assessment of presentations and written scientific report, 2-3 students annually
6. BOTA8900: Botany Research Dissertation (multi-year, 2017-current); supervision, conceptualisation, field and laboratory mentorship, editing of presentations and written Masters dissertation, 1-3 students annually
7. BOTA9100: Botany Research Thesis (multi-year, 2019-current); supervision, conceptualisation, field and laboratory mentorship, editing of presentations and written Doctoral thesis, 1-2 students annually
8. Developing new module for Masters in Mountain Studies starting in 2023/2024 (run through the Department of Geography); will be lecturing and coordinating a module on Biogeography (20 credits, year-long, awaiting final DHET approvals)

Lecturing experience at University of Cape Town 2015-2016:

1. BIO2012S Life on Land: Plants 2014, 2015 and 2016
2. BIO3016S: Systematics and Macroevolution 2014, 2015 and 2016
3. BIO2010F: Principles of ecology and evolution 2015 and 2016
4. Honours in Biological Sciences, week-long module (10 lectures, 5 practicals) on Topics and Techniques in Pollination Ecology. 25-31 May 2015 and 2016. Co-coordinated, developed and lectured by S. Steenhuisen (UCT) and N. Hobbhahn (UKZN)
5. Tutor for BIOL1000H for the 2nd semester in the Department of Biological Sciences, University of Cape Town, August-December 2013
6. Guest lecture presented on Pollination systems for a first year Biology course in the Department of Biological Sciences, University of Cape Town, August 2013

Lecturing experience at Azusa Pacific University 2010:

1. February 2010-April 2010; Replacement Lecturer and Course Coordinator (adjunct professor) for USA winter semester for Biol 325: Humans and the Environment, Azusa Pacific University, South African Semester

Lecturing experience at University of KwaZulu-Natal 2002-2008:

1. Bios 302/Biol 325 Plant-Animal Interactions/Behavioural ecology weekend fieldtrips 2004, 2005, 2006, 2007; Fieldtrip coordinator- Organising, budgeting and running third year university Plant-animal Interactions module fieldtrips 2006-2007; Practical demonstrator 2004
2. Biol 101 and 102 Practical Demonstrator 2002, 2003, 2004, 2006; Practical Leader 2007, 2008 (101 only); Examination Invigilator 2006, 2007
3. Teaching assistant (tutorials) for Biol 102 (2003, 2006, 2007), Biol 211 (2006)
4. Bios 306 Practical Demonstrator 2005

5. Biol 211 Practical demonstrator 2005, 2006, Part-time 2007
6. Replacement lecturer for Bios 302 Plant-Animal Interactions and Practical coordinator 2005; Weekend Fieldtrip coordinator

Examples of Other Teaching & Learning Activities in 2022:

1. Attended 2-day workshop on creating teaching portfolios (18-19 May 2022)
2. Attended the Curriculum Renewal workshop in November 2022.
3. Attended webinars on analysing qualitative data 30 June-1 July in order to assist my one MSc student with analysing data from surveys with employees and managers in the Working for Water program in Mpumalanga.
4. Presented for a Teaching and Learning Award in the category of Innovating my curriculum through student engagement and/or motivation, with a talk titled “Field practicals as a gateway to enriching a student's university experience” September 2022.
5. Panellist for ASSAf (The Academy of Science of South Africa) webinar on “Covid-9 research, the Disciplines and their Methodologies”, Nov 2020. Explored how the pandemic affected teaching and research at tertiary institutions.
6. Co-author on publication exploring the 4th Industrial Revolution in Education and Research sectors in South Africa:
Marivate, V., Aghoghovwia, P., Ismail, Y., Mahomed-Asmail, F., Steenhuisen, S. 2021. The Fourth Industrial Revolution – what does it mean to our future faculty? South African Journal of Science. 117(5/6): 1-3. <https://doi.org/10.17159/sajs.2021/10702> (IF = 2.197; Q3; 39/72 Multidisciplinary Sciences)

Membership of Teaching-Related Committees and Mentorship:

1. Member of the Department of Plant Sciences Teaching and Learning Committee 2020-current.
2. Member of the Department of Plant Sciences Title Registration Committee 2021-current
3. Student Success Task Team 2022 (not active in a specific project, learning from the team and being part of discussions)
4. Mentor of Dr Tatenda Marange (Lecturer and Subject Head in the Department of Industrial Psychology, Faculty of Economic and Management Sciences at UFS, Qwaqwa) as part of the Mountain to Mountain Women’s Mentorship Project in affiliation with Appalachian State University, Boone, North Carolina, United States. Attended workshop in May-June 2022 in US.
5. As Subject Head in the Department of Plant Sciences, I am responsible for mentoring staff in promotion tracks, all Learning and Teaching activities, and guide staff in opportunities for curriculum development, research and supervision.

RESEARCH

Research Interests:

While my personal research focus remains on the evolution of floral traits associated with pollination system shifts in Proteaceae, my research interests include other plant families, and applied sciences in the fields of climate change and invasion biology. My research combines plant reproductive biology, scent chemistry, microbiology, animal behaviour, invasion biology, climate change and genetics. It contributes to our understanding of pollination and evolutionary ecology in various plant families. Once at UFS, I took some time to establish a research group and now have very strong international (e.g. RangeX) and local collaborations (CIB, CBC, ARU, SANBI), particularly after hosting the 46th conference of the South African Association of Botanists in 2020 and being a member of the inaugural South African Mountain Conference committee 2022, really highlighting Qwaqwa campus and the university as a hub for Afromontane research.

Summary of Publications:

Category	Number
Publications in Q1 Journals	6
Publications in Q2 Journals	13
Publications in Q3 Journals	7
Publications in Q4 Journals	5
Total Publications (Full articles)	31
Book Chapters	1
Published Conference Proceedings	8 (Q2)

Publications:

1. **Steenhuisen, S.L.**, R.A. Raguso, A. Jürgens & S.D. Johnson. 2010. Variation in scent emission among floral parts and inflorescence developmental stages in beetle-pollinated *Protea* species (Proteaceae). South African Journal of Botany. 76: 779-787. (IF = 3.111; Q2; 81/238 Plant Sciences; JCI = 0.79)
2. **Steenhuisen, S.L.** and S.D. Johnson. 2012. Evidence for autonomous selfing in grassland *Protea* species (Proteaceae). Botanical Journal of the Linnean Society. 169: 433–446. (IF = 2.828; Q2; 89/238 Plant Sciences; JCI = 0.80)
3. **Steenhuisen, S.L.** and S.D. Johnson. 2012. Evidence for beetle pollination in the African grassland sugarbushes (*Protea*: Proteaceae). Plant Systematics and Evolution. 298: 857–869. (IF = 1.644; Q3; 149/238 Plant Sciences; JCI = 0.42)
4. **Steenhuisen, S.L.** and S.D. Johnson. 2012. The influence of pollinators and seed predation on seed production in dwarf grassland *Protea* “sugarbushes” (Proteaceae). South African Journal of Botany. 79: 77-83. (IF = 3.111; Q2; 81/238 Plant Sciences; JCI = 0.79)
5. **Steenhuisen, S.L.**, H. van der Bank and S.D. Johnson. 2012. The relative contributions of insect and bird pollinators to outcrossing in an African *Protea* (Proteaceae). American Journal of Botany. 99(6): 1104–1111. (3.325; Q2; 72/238 Plant Sciences; JCI = 0.98)
6. **Steenhuisen, S.L.**, R.A. Raguso and S.D. Johnson. 2012. Floral scent in bird- and beetle-pollinated *Protea* species (Proteaceae): chemistry, emission rates and function. Phytochemistry. 84: 78–87. (IF 4.004; Q1; 53/238 Plant Sciences; JCI = 0.90)
7. De Vega, C., B. Guzman, M-A. Lachance, **S-L. Steenhuisen**, S.D. Johnson and C.M. Herrera. 2012. *Metschnikowia proteae* sp. nov., a nectarivorous insect-associated yeast species from Africa. International Journal of Systematic and Evolutionary Microbiology. 62: 2538–2545. (IF = 2.689; Q4; 106/136 Microbiology; JCI = 0.55)

8. **Steenhuisen, S.L.**, A. Jürgens & S.D. Johnson. 2013. Effects of volatile compounds emitted by *Protea* species (Proteaceae) on antennal electrophysiological responses and attraction of cetonine beetles. *Journal of Chemical Ecology*. 39 (3): 438-446. (IF = 2.793; Q3; 90/173 Ecology; JCI = 0.58)
9. De Vega, C., B. Guzman, **S.-L. Steenhuisen**, S.D. Johnson, C.M. Herrera and M-A. Lachance. 2014 *Metschnikowia drakensbergensis* sp. nov. and *Metschnikowia caudata* sp. nov., two endemic yeasts associated with *Protea* flowers in South Africa. *International Journal of Systematic and Evolutionary Microbiology*. 64: 3724-3732. (IF = 2.689; Q4; 106/136 Microbiology; JCI = 0.55)
10. **Steenhuisen, S.L.**, A. Balmer, K. Zoeller, N. Kuhn, J. Midgley, D. Hansen and S.D. Johnson. 2015. Carnivorous mammals feed on nectar of *Protea* species (Proteaceae) in South Africa and likely contribute to their pollination. *African Journal of Ecology*. 53(4): 602-605. DOI: 10.1111/aje.12225 (IF = 0.923; Q4; 156/173 Ecology; JCI = 0.26)
11. Midgley, J.J., L.M. Kruger, S. Viljoen, A. Bijl, **S.L. Steenhuisen**. 2015. Fruit and seed traits of the elephant-dispersed African savanna plant *Balanites maughamii*. *Journal of Tropical Ecology* 31 (6): 557-561. (IF = 1.800; Q4; 133/173 Ecology; JCI = 0.38)
12. Zoeller, K.C., **S.-L. Steenhuisen**, S.D. Johnson, J.J. Midgley. 2016. New evidence for mammal pollination of *Protea* species (Proteaceae) based on remote-camera analysis. *Australian Journal of Botany*. 64(1): 1-7. (IF = 1.505; Q3; 157/238 Plant Sciences; JCR = 0.38)
13. Bouman, R., **S.L. Steenhuisen**, and T. van der Niet. 2017. The role of the pollination niche in community assembly of *Erica* species in a biodiversity hotspot. *Journal of Plant Ecology*. 10(4): 634-648. (IF = 1.780; Q3; 37/69 Forestry; JCI = 0.57)
14. Zoeller, K.C., J.J. Midgley, S.D. Johnson, and **S.-L. Steenhuisen**. 2017. Floral biology and breeding systems of geoflorous *Protea* species (Proteaceae). *South African Journal of Botany*. 112: 452-459. (IF = 3.111; Q2; 81/238 Plant Sciences; JCI = 0.79)
15. Hobbhahn, N., **S.-L. Steenhuisen**, T. Olsen, J.J. Midgley and S.D. Johnson. 2017 Pollination and breeding system of the enigmatic South African parasitic plant *Mystropetalon thomii* (Mystropetalaceae): rodents welcome, but not needed. *Plant Biology*. 19: 775-786. (IF = 3.877; Q1; 58/238 Plant Sciences; JCI = 0.86)
16. De Vega, C., R.G. Albaladejo, B. Guzmán, **S.-L. Steenhuisen**, S.D. Johnson, C.M. Herrera, and M.-A. Lachance. 2017. Flowers as a reservoir of yeast diversity: description of *Wickerhamiella nectarea* f.a. sp. nov., and *Wickerhamiella natalensis* f.a. sp. nov. from South African flowers and pollinators, and transfer of related *Candida* species to the genus *Wickerhamiella* as new combinations. *FEMS Yeast Research*. 17(5): fox054. <https://doi.org/10.1093/femsyr/fox054>. (IF = 2.923; Q3; 103/158 Biotechnology & Applied Microbiology; JCI = 0.60)
17. Kuhn, N., J.J. Midgley and **S.-L. Steenhuisen**. 2017. Reproductive biology of three co-occurring, primarily small-mammal pollinated *Protea* species (Proteaceae). *South African Journal of Botany*. 113: 337-345. (IF = 3.111; Q2; 81/238 Plant Sciences; JCI = 0.79)
18. Ollerton, J., Liede-Schumann, S., Endress, M. E., Meve, U, Rech, A.R., Shuttleworth, A., Keller, H.A., Fishbein, M., Alvarado-Cárdenas, L.O., Amorim, F.W., Bernhardt, P., Celep, F., Chirango, Y., Chiriboga-Arroyo, F., Civeyrel, L., Cocucci, A., Cranmer, L., da Silva-Batista, I.C., de Jager, L., Deprá, M.S., Domingos-Melo, A., Dvorsky, C., Agostini, K., Freitas, L., Gaglianone, M.C., Galetto, L., Gilbert, M., González-Ramírez, I., Gorostiague, P., Goyder, D., Hachuy-Filho, L., Heiduk, A., Howard, A., Ionta, G., Islas-Hernández, S.C., Johnson, S.D., Joubert, L., Kaiser-Bunbury, C., Kephart, S., Kidyoo, A., Koptur, S., Koschnitzke, C., Lamborn, E., Livshultz, T., Machado, I.C.,

- Marino, S., Mema, L., Mochizuki, K., Morellato, L.P.C., Mrisha, C.K., Muiruri, E., Nakahama, N., Nascimento, V.T., Nuttman, C., Oliveira, P.E., Peter, C.I., Punekar, S., Rafferty, N., Rapini, A., Ren, Z.-X., Rodríguez-Flores, C.I., Rosero, L., Sakai, S., Sazima, M., **Steenhuisen, S.-L.**, Tan, C-W., Torres, C., Trøjelsgaard, K., Ushimaru, A., Vieira, M.F., Wiemer, A.P., Yamashiro, Tarcila, N., Queiroz, J., and Z. Quirino. 2019. The diversity and evolution of pollination systems in large plant clades: Apocynaceae as a case study. *Annals of Botany*. 123(2): 311-325. (IF = 5.040; Q1; 34/238 Plant Sciences; JCI = 1.24)
19. Cozien, R., T. van der Niet, S.D. Johnson and **S.L. Steenhuisen**. 2019. Saurian surprise: lizards pollinate South Africa's enigmatic 'hidden flower'. *Ecology*. 100(6): e02670. (IF = 6.431; Q1; 22/173 in Ecology; JCI = 1.36)
20. Chirango, Y., **S.L. Steenhuisen**, P.V. Bruyns, J.J. Midgley and A. Shuttleworth. 2019. The March fly and the ant: the unusual pollination system of *Eustegia minuta* (Apocynaceae: Asclepiadoideae). *Arthropod-Plant Interactions*. 13(5): 745-755. (IF = 2.409; Q2; 32/100 Entomology; JCI = 0.70)
21. Akinuoye-Adelabu, D.B., **S. Steenhuisen**, and E. Bredenhand. 2019. Improving pea quality with vermicompost tea and aqueous biochar: Prospects for sustainable farming in Southern Africa. *South African Journal of Botany*. 123: 278-285. (IF = 3.111; Q2; 81/238 Plant Sciences; JCI = 0.79)
22. Van der Niet, T., K. Pires and **S. Steenhuisen**. 2020. Flower constancy of the Cape honey bee pollinator of two co-flowering *Erica* species from the Cape Floristic Region (South Africa). *South African Journal of Botany*. 132: 1-7. (IF = 3.111; Q2; 81/238 Plant Sciences; JCI = 0.79)
23. Mapaura, A., K. Canavan, D.M. Richardson, V.R. Clark and **S. Steenhuisen**. 2020. The invasive grass genus *Nassella* in South Africa: A synthesis. *South African Journal of Botany*. 135: 336-348. (IF = 3.111; Q2; 81/238 Plant Sciences; JCI = 0.79)
24. Chari, L.D, Martin, G.D., **Steenhuisen, S.**, Adams, L.D., & Clark, V.R. 2020. The Biology of Invasive Plants. 1. *Pyracantha angustifolia* (Franch.) C.K. Schneid. *Invasive Plant Science and Management*. 13: 120–142. (IF = 1.333; Q3; 173/238 Plant Sciences; JCI = 0.32)
25. Chikowore, G., **Steenhuisen, S.**, Mutamiswa, R., Martin, G.D., & Chidawanyika, F. 2021. Integration of invasive tree, black locust, into agro-ecological flower visitor networks induces competition for pollination services. *Arthropod-Plant Interactions*. 15(5): 787-796. <https://doi.org/10.1007/s11829-021-09851-3> (IF = 2.409; Q2; 32/100 Entomology; JCI = 0.70)
26. Marivate, V., Aghoghovwia, P., Ismail, Y., Mahomed-Asmail, F., **Steenhuisen, S.** 2021. The Fourth Industrial Revolution – what does it mean to our future faculty? *South African Journal of Science*. 117(5/6): 1-3. <https://doi.org/10.17159/sajs.2021/10702> (IF = 2.134; Q3; 41/73 Multidisciplinary Sciences; JCI = 0.46)
27. Clark, V.R., Mukwada, G., Hansen, M., Adelabu, S., Magaiza, G., le Roux, A., Bredenhand, E., Voua Otomo, P., **Steenhuisen, S.**, Franke, A., van Tol, J., Mathinya, N., & Makombe, R. 2021. The Afromontane Research Unit: Driving Connections and Capacity Building for the Sustainable Development of Southern African Mountains. *Mountain Research and Development*. 41(2): P1-P5. <https://doi.org/10.1659/MRD-JOURNAL-D-21-00038.1> (IF = 1.506; Q4; 253/279 Environmental Sciences; JCI = 0.29)
28. de Vega, C., Álvarez-Pérez, S., Albaladejo, R.G., **Steenhuisen, S.**, Lachance, M-A., Johnson, S.D., & Herrera, C.M. 2021. The role of plant–pollinator interactions in structuring nectar microbial communities. *Journal of Ecology*. 109(9): 3379-3395.

<https://besjournals.onlinelibrary.wiley.com/doi/pdf/10.1111/1365-2745.13726> (IF = 6.381; Q1; 23/173 Ecology; 21/238 Plant Sciences; JCI = 1.60)

29. Adams, L.D., Martin, G.D., Downs, C.T., Clark, V.R., Thabethe, V., Raji, I.A., **Steenhuisen, S.** 2022. Seed dispersal by frugivores and germination of the invasive alien shrub *Pyracantha angustifolia* (Franch.) C.K. Schneid. in Free State Province, South Africa. *Biological Invasions*. Online:1-11. IF = 3.608; Q2; 17/65 Biodiversity Conservation; JCI = 0.82)
30. Masole, P., **Steenhuisen, S.**, Martin, G.D. 2022. Current status of the invasive shrub *Berberis julianae* C.K. Schneid. (Berberidaceae) in Golden Gate Highlands National Park (Free State Province, South Africa). *South African Journal of Botany*. 150: 99-105. (IF = 3.111; Q2; 81/238 Plant Sciences; JCI = 0.79)
31. Adam, L.D., Giovannoni, D., Clark, V.R., Steenhuisen, S., Martin, G.D. 2023. Reproductive ecology of the invasive alien shrub *Pyracantha angustifolia* in the Grassland Biome, South Africa. *Plants-Basel*. (IF = 4.658; Q1; 39/239 Plant Sciences; JCI = 1.01)
32. Mapaura, A., Canavan, K., Richardson, D.M., de Deus Vidal, J., Clark, V.R., Steenhuisen, S. In review. Implications of climate change for the distribution of *Nassella* grass in South Africa and Lesotho. *Rangeland Ecology & Management*
33. Alison, J., Payne, S., Alexander, J., Bjorkman, A.D., Clark, V., Gwate, O., Huntsaar, M., Iseli, E., Lenoir, J., Mann, H., **Steenhuisen, S.**, Høye, T. *In Review*. Deep learning to extract the meteorological by-catch of wildlife cameras. *Global Change Biology*. (IF = 11.6; Q1; 1/64 Biodiversity Conservation; JCI = 2.42)

Book Chapters

1. Canavan, K., Canavan, S., Clark, V.R., Gwate, O., Mapaura, A., Richardson, D.M., **Steenhuisen, S.**, & Martin, G.D. 2022. : Invasive Alien Plants in the Montane Areas of South Africa: Impacts and Management Options. In: Misiune, L., Depellegrin, D. & Vigl, L.E. (eds.). *Human-Nature Interactions. Exploring nature's values across landscapes*. Springer Nature, Switzerland.

Published Conference Proceedings:

1. **Steenhuisen, S. L.** & S.D. Johnson. 2004. Specialisation for beetle pollination in *Protea simplex* (Proteaceae). *South African Journal of Botany*. 70 (2): 367
2. **Steenhuisen, S.L.** & S.D. Johnson. 2007. A beetle pollination system in grassland proteas. *South African Journal of Botany*. 73 (2): 337-337
3. **Steenhuisen, S.L.**, S.D. Johnson & R.A. Raguso. 2008. Fields of papaya and honey: The scent of beetle-pollinated *Protea* species. *South African Journal of Botany*. 74 (2): 378-379
4. **Steenhuisen, S.L.**, H. Van der Bank & S.D. Johnson. 2011. The effect of insect versus bird pollinators on the outcrossing rate of a scented grassland *Protea* with a mixed mating system. *South African Journal of Botany*. 77 (2): 559.
5. **Steenhuisen, S.L.** & S.D. Johnson. 2012. Breeding systems in *Protea*. *South African Journal of Botany*. 79:214-214.
6. **Steenhuisen, S-L.**, Balmer, A., Hansen, D., Johnson, S.D. & Midgley, J. 2013. Is floral scent key to shifts in pollination systems in *Protea*? *South African Journal of Botany*. 86: 170-170.

7. **Steenhuisen, S.L.**, Hobbhahn, N., Olsen, T., Johnson, S.D., Midgley, J. 2016. Factors affecting seed set of mammal pollinated plants in South Africa. *South African Journal of Botany* 103: 350.
8. **Steenhuisen, S.L.** and N. Hobbhahn. 2018. A test of pollination syndrome theory using the parasitic plant *Mystropetalon thomii* reveals a surprising outcome. *South African Journal of Botany*. 115: 310

Congress Attendance/Co-authorship

1. **Steenhuisen, S-L** and S.D. Johnson. Specialization for beetle pollination in *Protea simplex* (Proteaceae). Poster presented at the 2003 **British Ecological Special Symposium and Annual Meeting of the Association for Tropical Biology and Conservation ‘Biotic Interactions in the Tropics: Their role in the Maintenance of Species Diversity’** (University of Aberdeen, Scotland).
2. **Steenhuisen, S-L** and S.D. Johnson. Specialization for beetle pollination in *Protea simplex* (Proteaceae). Poster presented at the 2003 **South African Association of Botanists** (Third prize for best ecological poster). (University of Natal, South Africa).
3. **Steenhuisen, S-L** and S.D. Johnson. Specialization for beetle pollination in *Protea simplex* (Proteaceae). Poster presented at the 2005 Faculty of **Science and Agriculture Research Day** (University of KwaZulu-Natal, South Africa).
4. **Steenhuisen, S-L**, S. D. Johnson and R.A. Raguso. A beetle pollination system in grassland proteas. Poster presented at the 2007 Annual Conference of the **South African Association of Botanists**. (University of Cape Town, South Africa).
5. **Steenhuisen, S-L**, S. D. Johnson and R.A. Raguso. Fields of fruit and honey: The scent of *Protea*. Paper presented at the 2007 Annual **Faculty of Science and Agriculture Research Day** (University of KwaZulu-Natal, South Africa).
6. **Steenhuisen, S-L**, S. D. Johnson and R.A. Raguso. Fields of fruit and honey: The scent of *Protea*. Oral presentation at the 2008 Annual Conference of the **South African Association of Botanists**. (Drakensville, South Africa).
7. **Steenhuisen, S-L**, S. D. Johnson and R.A. Raguso. The importance of floral scent in the evolutionary shift from bird to beetle pollination in *Protea*. Oral presentation at **ICE 2008** (International Congress of Entomology) (ICC, Durban, South Africa).
8. **Steenhuisen, S-L**, S. D. Johnson and R.A. Raguso. Oral presentation: The importance of floral scent in the evolutionary shift from bird to beetle pollination in *Protea*, and Poster presentation: A beetle pollination system in grassland proteas. **Faculty of Science and Agriculture Research Day**. 3rd Prize for oral presentation. 1st prize for Poster presentation. November 2008. (University of KwaZulu-Natal, South Africa).
9. **Steenhuisen, S-L**, R.A. Raguso, A. Juergens and S. D. Johnson. Oral presentation: The importance of floral scent in the evolutionary shift from bird to beetle pollination in *Protea*. **26th Annual Meeting of the International Society of Chemical Ecology (ISCE)** in Tours, France, 31 July-4 August 2010.
10. **Steenhuisen, S.L.**, H. Van der Bank & S.D. Johnson. Oral presentation: The effect of insect versus bird pollinators on the outcrossing rate of a scented grassland *Protea* with a mixed mating system. Annual Conference of the **South African Association of Botanists** 2011. (Rhodes University, South Africa)

11. **Steenhuisen, S-L** and S.D. Johnson. Oral presentation: Breeding systems in *Protea*. Annual Conference of the **South African Association of Botanists 2012**. (University of Pretoria, South Africa).
12. **Steenhuisen, S.-L.**, Midgley, J. and S.D. Johnson. Oral presentation: Pollination and Mating systems in *Protea*. Annual meeting of the **Fynbos Forum 2012**. (Cape St Francis, South Africa).
13. **Steenhuisen, S.-L.**, Balmer, A., Hansen, D., Johnson, S.D. and Midgley, J. Oral presentation: Is floral scent key to shifts in pollination systems in *Protea*? Annual Conference of the **South African Association of Botanists 2013**. (University of KwaZulu-Natal, Drakensville, South Africa).
14. A. Balmer, **S.-L. Steenhuisen**, J. Midgley, S.D. Johnson, and D. Hansen. Poster presentation: A snack bar for animals: A comprehensive ecological pollination study of non-flying mammal pollinated proteas. **11th INTECOL Congress, Ecology: Into the next 100 years**. 18-23 August 2013 – not attended.
15. **Steenhuisen, S.-L.**, Balmer, A., Zoeller, K., Kuhn, N., Hansen, D., Johnson, S.D. and Midgley, J. Oral presentation: Small mammal pollination of Cape *Protea*: An update. Annual meeting of the **Fynbos Forum 2013**. (Kirstenbosch Botanical Gardens, Cape Town, South Africa)
16. **Steenhuisen, S.-L.**, Balmer, A., Zoeller, K., Kuhn, N., Hansen, D., Johnson, S.D. and Midgley, J. Oral presentation: Small mammal pollination of Cape *Protea*. First annual **Biodiversity in Southern Africa** conference, December 2013 (University of Cape Town, South Africa)
17. **Steenhuisen, S.-L.**, Midgley, J. and S.D. Johnson. Oral presentation: Trends in self-compatibility and scent production in *Protea* (Proteaceae). **Association pour l'Etude Taxonomique de la Flore d'Afrique Tropicale** or Association for the Taxonomic Study of the Flora of Tropical Africa (AETFAT), January 2014 (University of Stellenbosch, South Africa)
18. **S.L. Steenhuisen**, A. Balmer, R.A.R. Raguso, A. Jürgens, S.D. Johnson and J. Midgley. Oral presentation: Changes in floral scent associated with pollinator shifts in *Protea* (Proteaceae). First **Gordan Research Seminar: Plant Volatiles: At the Interface Between Biochemistry, Neurobiology, Ecology and Agriculture**, January 2014 (Ventura, California, USA)
19. **Steenhuisen, S.L.**, A. Balmer, R.A.R. Raguso, A. Jürgens, S.D. Johnson and J. Midgley. Poster presentation: Trends in floral trait evolution associated with pollinator shifts in *Protea* (Proteaceae). **Gordan Research Conference: Plant Volatiles: Exploring the Plant Headspace: Functional Analysis and Emerging Applications**, January 2014 (Ventura, California, USA)
20. **Steenhuisen, S.L.**, J. Midgley, S.D. Johnson and N. Hobbhahn. Oral presentation. New Perspectives on non-flying small mammal pollination. **UK-SA Workshop on Pollination and Threats to Pollinators**. 11-13 March 2015. University of Pretoria, South Africa. Invited speaker (all costs covered).
21. J. Midgley, L. Kruger, A. Bijl, S. Viljoen and **S.L. Steenhuisen**. Oral presentation by Jeremy Midgley: Megaherbivore fruits: an African elephant perspective. **6th International Symposium-Workshop on Frugivores & Seed Dispersal**. 21-26 June, 2015 (Drakensberg, South Africa) – not attended
22. Hobbhahn N, **Steenhuisen SL**, Shuttleworth A, Olsen T, Midgley J, Johnson SD. 2015. Oral presentation by N. Hobbhahn. Pollination ecology of the South African holoparasites *Mystroptalon thomii* and *Sarcophyte sanguinea*, and diversity of pollination systems in Balanophoraceae s. l. **13th World Congress on Parasitic Plants**. Kunming, China. July 2015. – not attended

23. **Steenhuisen, S.L.**, A. Balmer, R.A.R. Raguso, A. Jürgens, S.D. Johnson and J. Midgley. Poster Presentation: Trends in floral trait evolution associated with pollinator shifts in *Protea* (Proteaceae). **Fynbos Forum**, Montagu, Western Cape, 3-6 August 2015
24. Chirango, Y.T., A. Shuttleworth, J. Midgley and **S.L. Steenhuisen**. Poster Presentation: Generalised pollination in *Gomphocarpus cancellatus* (Apocynaceae: Asclepiadoideae). **Fynbos Forum**, Montagu, Western Cape, 3-6 August 2015
25. **Steenhuisen, S.L.**, A. Balmer, K. Zoeller, N. Kuhn, D. Hansen, S.D. Johnson and J. Midgley. Oral Presentation: Observing the “small and hairy”: the use of remote cameras in pollination studies. **Fynbos Forum**, Montagu, Western Cape, 3-6 August 2015. Short paper (2nd prize for best short paper presented).
26. **Steenhuisen, S.L.**. Oral presentation: “Smile! You're on candid camera” - The unseen world of vertebrate pollinators of the Cape flora. Invited speaker at **quarterly meeting of Cape Nature** reserve managers in Oudtshoorn, Western Cape. 22 October 2015
27. **Steenhuisen, S.L.**, N. Hobbhahn, T. Olsen, S.D. Johnson, J. Midgley. Oral presentation: Factors affecting seed set of mammal pollinated plants in South Africa. Annual Conference of the **South African Association of Botanists** 2016. (University of the Free State, South Africa)
28. **Steenhuisen, S.L.**, R.A. Raguso, J. Midgley, S.D. Johnson. Oral presentation: Trends in floral trait evolution associated with pollinator shifts in *Protea* (Proteaceae). **Association for Tropical Biology and Conservation** 19-23 June 2016. (Le Corum, Montpellier, France)
29. **Steenhuisen, S.L.**. Invited speaker for symposium on Pollination by non-flying mammals. Oral presentation: When flowers smell cheesy: An investigation into functional floral traits of African and Australian mammal-pollinated proteas (Proteaceae). **XIX International Botanical Congress (IBC 2017)** 23-29 July 2017. (Shenzhen, China)
30. **Steenhuisen, S.L.**, N. Hobbhahn. Oral presentation: A test of pollination syndrome theory using the parasitic plant *Mystroptalon thomii* reveals a surprising outcome. Annual Conference of the **South African Association of Botanists** 9- 12 January 2018. (University of Pretoria, South Africa)
31. R. Cozien, T. van der Niet, **S. Steenhuisen**, S.D. Johnson. Oral presentation by R. Cozien: Big Brother is watching: detecting elusive species interactions through the use of camera traps. Conference and workshop on Camera traps and Biodiversity jointly held by SANBI and FBIP at Cape St Francis 13-16 August 2018, presented by Ms Ruth Cozien (UKZN).
32. R. Cozien, T. van der Niet, S.D. Johnson, **S. Steenhuisen**. Oral presentation by S. Steenhuisen: Secrets of the Drakensberg’s “Hidden flowers” revealed: Discovery of a novel pollination system for continental Africa. Annual Conference of the **South African Association of Botanists** 8 - 11 January 2019. (University of Johannesburg, South Africa)
33. L.D. Adams, G. Martin, V.R. Clark, **S. Steenhuisen**. Poster presentation: Reproductive ecology of the invasive firethorn species, *Pyracantha angustifolia* (Rosaceae), in the eastern Free State Province. Annual Conference of the **South African Association of Botanists** 8 - 11 January 2019. (University of Johannesburg, South Africa)
34. L.D. Adams, G. Martin, V.R. Clark, **S. Steenhuisen**. Oral presentation by L.D. Adams: Following the fate of seeds to investigate the spread of invasive *Pyracantha angustifolia* (Firethorn) in the eastern Free State, South Africa. Annual Conference of the **The National Symposium on Biological Invasions** 15 - 17 May 2019. (Tulbagh, South Africa)

35. L.D. Adams, G.D. Martin, V.R. Clark, C.T. Downs, V. Thabethe, A. Raji, **S. Steenhuisen**. Oral presentation by L.D. Adams: The effect of birds on seed dispersal and germination of invasive firethorn. Annual Conference of the **South African Association of Botanists** 7 - 10 January 2020. (University of the Free State, Qwaqwa)
36. Mapaura, A., Canavan, K., Richardson, D., Clark, V.R., and **Steenhuisen, S**. Oral presentation by A. Mapaura: *Nassella* in South Africa: A call to action. Annual conference of the **Grassland Society of Southern Africa** 2019. Uppington, South Africa
37. A. Mapaura, K. Canavan, D.M. Richardson, V.R. Clark, **S. Steenhuisen**. Oral presentation by A. Mapaura: *Nassella* tussock invasion in South Africa: an overview. Annual Conference of the **South African Association of Botanists** 7 - 10 January 2020. (University of the Free State, Qwaqwa)
38. J. Anderson, T. van der Niet, S.D. Johnson, **S. Steenhuisen**, R.J. Cozien. Oral presentation by J. Anderson: How to train your dragon: Flower colour and nectar scent lure lizard pollinators to the Drakensberg's Hidden flower. Annual Conference of the **South African Association of Botanists** 7 - 10 January 2020. (University of the Free State, Qwaqwa)
39. R. Cozien, T. van der Niet, **S. Steenhuisen**, S. Johnson. Poster presented by R. Cozien: Caught in a Snap: Elusive ecological interactions revealed through the use of motion trigger camera traps. Annual Conference of the **South African Association of Botanists** 7 - 10 January 2020. (University of the Free State, Qwaqwa)
40. A. Mapaura, K. Canavan, D.M. Richardson, V.R. Clark, **S. Steenhuisen**. Virtual oral presentation by A. Mapaura. The impact of the invasive grass *Nassella trichotoma* (Nees) Arech. on the plant species richness, diversity and composition in Karoo Escarpment Grassland, Sneeuberg Centre of Floristic Endemism. **Annual Congress of the Grassland Society of Southern Africa** 30 June – 2 July 2020 (Online)
41. Moloi, K., G. Martin, V.R. Clark and **S. Steenhuisen**. Virtual poster presented by K. Moloi: A review of the invasive genus *Cotoneaster* Medik (Rosaceae) in southern Africa. **Annual Congress of the Grassland Society of Southern Africa** 30 June – 2 July 2020 (Online)
42. A. Mapaura, K. Canavan, D.M. Richardson, V.R. Clark, **S. Steenhuisen**. Virtual poster presented by A. Mapaura: *Nassella neesiana* is an invader to watch in South African mountains. **Annual Congress of the Grassland Society of Southern Africa** 26 July – 30 July 2021 (online)
43. L.D. Adams, Martin G., Downs C., Clark V., Thabethe V., Raji I., **Steenhuisen S**. November 2021. Oral presentation by LD Adams. Germination success of the invasive alien plant Firethorn after being ingested by frugivorous birds. Oral presented at **International Congress of Zoology**, virtual.
44. K.T. Moloi, G. Martin, V.R. Clark, **S. Steenhuisen**. Speed talk by K.T. Moloi: Seed biology and dispersal of *Cotoneaster pannosus* in grasslands of eastern Free State. Annual Conference of the **South African Association of Botanists** 17 – 20 January 2022
45. K. L. Glennon, P. Mtileni, S. Mathura, S. Payne, N. le Matire, **S. Steenhuisen**. Oral presentation by K.L. Glennon: Drakensberg confetti: What drives flower colour variation in a mountain endemic? **South African Mountain Conference** 14-17 2022, Champagne Sports Resort, KwaZulu-Natal
46. K.T. Moloi, G. Martin, V.R. Clark, **S. Steenhuisen**. Oral presentation by K.T. Moloi: Reproductive ecology of *Cotoneaster pannosus* in montane grasslands of eastern Free State. **South African Mountain Conference** 14-17 2022, Champagne Sports Resort, KwaZulu-Natal

47. A. Mapaura, K. Canavan, D.M. Richardson, V.R. Clark, **S. Steenhuisen**. Oral presentation by A. Mapaura. Climate change and predicted changes in distribution of invasive *Nassella* species in South Africa and Lesotho. **South African Mountain Conference 14-17 2022**, Champagne Sports Resort, KwaZulu-Natal
48. J. Alison, **S. Steenhuisen**, S. L. Payne, T. Hoye. Oral presentation by S. Payne and J. Alison. Camera surveillance uncovers novel plant-pollinator interactions in montane ecosystems. **South African Mountain Conference 14-17 2022**, Champagne Sports Resort, KwaZulu-Natal
49. R. Cozien, T. van der Niet, **S. Steenhuisen**, S. Johnson. Oral presentation by S. Steenhuisen. Geographic variation in floral traits and pollinators of the Drakensberg's Hidden Flower: Evidence for reptile- and rodent-pollinated chemotypes in *Guthriea capensis* (Achariaceae). **South African Mountain Conference 14-17 2022**, Champagne Sports Resort, KwaZulu-Natal
50. N. Radebe, **S. Steenhuisen**, R. Cozien. Oral presentation by S. Steenhuisen. Pollination ecology of the rare Drakensberg *Nerine bowdenii* subspecies *wellsii*. **South African Mountain Conference 14-17 2022**, Champagne Sports Resort, KwaZulu-Natal
51. L.D. Adams, Martin G., **Steenhuisen S.**, Downs C. March 2022. Oral presentation by LD Adams. Fleshy-fruited invasive alien plants in the Grasslands. **4th Annual SANBI Student Research Day**, virtual.
52. L.D. Adams, Martin G., Clark V., **Steenhuisen S.** March 2022. Oral presentation by LD Adams. Reproductive ecology of an invasive alien plant *Pyracantha angustifolia* in the eastern Free State Grasslands. **Southern African Mountain Conference**, in-person, Champagne Sports Resort, KwaZulu-Natal.
53. S.L. Payne, J. Alison, T.T. Høye, S. Steenhuisen. 11-15 September 2022. Oral presentation by S.L. Payne. Camera surveillance of invertebrate abundance and plant phenology within a montane climate change experiment. International Mountain Conference, in-person, Innsbruck, Austria.
54. N. Bologo, Steenhuisen, S., Martin, G. 17-20 January 2023. Oral presentation by N. Bologo. Impact of the invasive alien plant species clearing programme on socio-economic benefits and plant biodiversity along the northern Drakensberg, Mpumalanga province, South Africa. South African Association of Botanists, in-person, Protea Hotel Ranch Resort, Polokwane.
55. K. Moloji, Martin, G. Steenhuisen, S. 17-20 January 2023. Oral presentation by K. Moloji. Seed biology and spread of the alien invasive *Cotoneaster pannosus* in Afromontane grasslands of eastern Free State. South African Association of Botanists, in-person, Protea Hotel Ranch Resort, Polokwane.
56. P. Masole, Steenhuisen, S., Payne, S., Martin, G. 17-20 January 2023. Oral presentation by P. Masole. Is the thorny invasive *Rosa rubiginosa* facilitating the recruitment of native and exotic woody species in the mountain grasslands of the eastern Free State? South African Association of Botanists, in-person, Protea Hotel Ranch Resort, Polokwane.
57. T. Mashamba, Steenhuisen, S., Payne, S., Martin, G. 17-20 January 2023. Oral presentation by T. Mashamba. Current status and population demographics of the *Salix* species in the grassland biome of South Africa. South African Association of Botanists, in-person, Protea Hotel Ranch Resort, Polokwane.
58. S. Payne, Alison, J., Høye, T.T., Steenhuisen, S. 17-20 January 2023. Oral presentation by S. Payne. Camera surveillance monitors invertebrate abundance, plant phenology and weather events within a

montane climate change experiment. South African Association of Botanists, in-person, Protea Hotel Ranch Resort, Polokwane.

59. S. Steenhuisen, Martin, G., Moloi, K., Adams, L.D., Gwate, O., Payne, S., Masole, P., Malekana, L., Downs, C., Clark, V.R. 30 January – 2 February 2023. Oral presentation by S. Steenhuisen. Expanding ranges of invasive Rosaceae. Global Change Conference, in-person, University of the Free State, Bloemfontein.

Research Reports:

1. **Adams, L.D. 2020.** *Risk Analysis for *Pyracantha angustifolia**. Report compiled for South African National Biodiversity Institute (SANBI)

Prestige Academic and Funding Awards Received:

1. Undergraduate Academic Scholarship awards for 1999, 2000, & 2001 from the University of Natal (R4000, R10000, & R8550 respectively)
2. Samuel Edelstein Scholarship for 2001 from the University of Natal (R15000)
3. NRF Bursary (Honours) for 2002 from NRF (R8000)
4. Olaf Wirminghaus Commemorative Bursary in 2002 from R.R. Wirminghaus (R3000)
5. Emma Smith Bursary for 2000 & 2001 from the University of Natal (R16760 & R14100 respectively)
6. A year's membership to the Zoological Society of Southern Africa from the School of Botany and Zoology, University of Natal, for best student in Zoology 2001
7. Prize for best student in Plant Physiology 2001 from the School of Botany and Zoology, University of Natal, to the value of R300
8. Certificate of merit for Behavioural Ecology in 2001 from the School of Botany and Zoology, University of Natal (R500)
9. A book voucher (R100) for 3rd place for the Best Ecology Poster Award at the South African Association of Botanists annual conference (SAAB) in 2004
10. An NRF Prestigious Scholarship for Master's study to the value of R32500 per annum for 2003 and 2004, and R45 000 per annum for Doctoral studies in 2007 and 2008
11. Gay Langmuir Bursary for 2005 and 2006 (R9000 per annum)
12. A book voucher (R1000) for 3rd place for best seminar presentation in the Life Sciences Stream of the UKZN Faculty of Science and Agriculture Research Day in 2009
13. UKZN travel grant of R10000 for 1st place for the Best Poster at the UKZN Faculty of Science and Agriculture Research Day in 2009
14. Student travel grant from CNRS for €800 to present a seminar at the 26th Annual Meeting of the International Society of Chemical Ecology (ISCE) in Tours, France, 31 July-4 August 2010
15. NRF Postdoctoral fellowship to the value of R190 000 per annum, UKZN Postdoctoral Fellowship to the value of R180 000 per annum, and Claude Leon Foundation Fellowship to the value of R175 000

per annum for 2012 (only accepted the Claude Leon Foundation Fellowship). Renewed Claude Leon Fellowship for 2013 for R178 336.

16. Travel grant from Claude Leon Foundation to the value of R 25 000 and from the University Research Council (University of Cape Town) to the value of R 10 940 to present at the Gordan Research Seminar and Conference in Ventura, California, USA, January 2014.
17. NRF Research Career Advancement Award to the value of R350 000 per annum up to a maximum of 5 years, and R 100 000 in running research costs per annum; University Research Council, June 2014 - Dec 2016
18. Postdoctoral Fellowship at the University of Cape Town to the value of R 190 000 (declined in order to accept the NRF RCA position)
19. NRF Y1 rating from 2017-2022. Received R20 000 and R30 000 from NRF in 2017 and 2018 respectively; R100 000 from UFS in 2017, 2018, 2019, 2020, 2021, 2022
20. ARU (Afromontane Research Unit), allocated R249 813 for 1 MSc, 1 PhD and various project costs in 2018, and R390 000 for 1 MSc, 1 PhD and 1 Postdoctoral fellowship in 2019. Project title: Pollination and reproductive ecology of native and invasive plant species in the Afromontane areas of Southern Africa – ongoing
21. Award for the Highest Impact Paper (Staff) for 2018 of all ARU affiliates on the Qwaqwa Campus, University of the Free State. Awarded by the Afromontane Research Unit. (R500 book voucher)
22. FBIP-NRF Grant FBIP190411429576, number 121261 (Foundational Biodiversity Information Programme) titled “Referencing Botanical Treasures of the Dragon’s Lair”, R70 000 in 2019 (extended to 2021 due to COVID-19 pandemic), for the purpose of digitizing the QWA Herbarium
23. Knowledge Interchange & Collaboration (KIC) Mobility -NRF Grant for hosting the 46th annual conference of the South African Association of Botanists (SAAB2020) at the University of the Free State’s Qwaqwa Campus. R120 000
24. Selected member of the 2020 cohort of the **DHET Future Professors Program** hosted by Prof Jonathan Jansen, Stellenbosch University (2020-current)
25. EA20/1679 Grant - Acoustic assessment of the fauna of high-altitude palustrine wetlands in Bokong Nature Reserve, Lesotho. Ecologists in Africa Grant 2021 from the British Ecological Society; £9,996.71
26. Winner of the University of the Free State’s Natural and Agricultural Sciences Faculty Flash Fact competition with a 3-minute presentation titled “The cheesy side of flowers – Interactions between microbes, pollinators and Proteas”, 2021. R20 000 research funding.
27. Came 3rd out of 30 applications for an NSF-NRF Biodiversity Dimensions Grant in 2021, only 2 grants awarded.
28. BiodivClim-578 Grant: Mechanisms underlying the success and impacts on biodiversity and ecosystem functioning of range-expanding species under climate change (RangeX); BiodivClim: Transnational research project on "Biodiversity and Climate change"; 2021-2024 (total project funding request is €1 731 214; for the SA component: R1 293 000)

ENGAGED SCHOLARSHIP

Conference Organisation/Involvement:

1. Member of the Local Organising Committee for the annual conference of the South African Association of Botanists (SAAB) 2013, hosted at Drakensville Resort, KwaZulu-Natal, by University of KwaZulu-Natal.
2. **Chairperson** of the 46th annual conference of the South African Association of Botanists. University of the Free State, Qwaqwa Campus. 7-10 January 2020.
3. Member of the Scientific Review Committee for The Conservation Symposium, 31 Oct-4 Nov 2022
4. Member of the Local Organising Committee and Scientific Review Committee of the 1st South African Mountain Conference 2022 (SAMC2022). 14-17 March 2022.

Committee Membership:

1. **Treasurer and Public Officer** for SARS for South African Association of Botanists, January 2017 – current.
2. Member of the 2020 cohort (Phase 1) of the **DHET Future Professors Programme**
3. Associate Editor for **American Journal of Botany**, 2020 to current.
4. Subject Editor for South African Journal of Botany, 2019 to Nov 2021.
5. Review Board Editor for **South African Journal of Botany**, Nov 2021 to current.
6. Member of the **Evaluation Panel** for Interdisciplinary Research Projects at UFS 2021
7. Member of the DHET Natural and Agricultural Sciences **Institutional Audit Committee**, University of the Free State, 2021.
8. One of 12 academic members of the University of the **Free State Vision130 panel**, Oct 2021 to current.
9. Mentor in the **Mountain to Mountain Women's Mentorship Programme** in collaboration with Appalachian State University, 2021-current.
10. Science Advisor and member of the **Free State Wetlands Forum** 2019-current. Presented at the AGM in late 2021.

Public Talks

1. Guest appearance and interview as a botanist on an hour-long national television show, Hectic Nine-9's, shown daily on SABC2. Theme: Follow the Leader. Audience: 9-14 year old school students. Aired live 4-5pm 31 July 2013.
2. Presentation on Symbioses in the Fynbos at the FynArts Festival 13 June 2015, alongside Prof William Bond. Audience: members of the public and Botanical Society of Fernkloof.
3. Public talks for the Clarens Garden Society 2019, 2022. Audience: members and guests of the Clarens Garden Society (garden enthusiasts, retired academics, amateur botanists). "Filming Plant-Animal Interactions" – 2022

4. Invited speaker: Presentation entitled “Of mice and mountains, lizards and flowers, a pollination ecologist’s journey to Qwaqwa” for the 36th Habitable Planet Workshop in partnership with UFS at the Qwaqwa campus, run by directors of the Alliance for Collaboration on Climate & Earth Systems Science (ACCESS), sponsored by CSIR. June 2022.
5. Interviewed by SABC Morning Live (online zoom interview) on the effects of light pollution on nature, 27 March 2021 (Theme: Earth Hour and how Candide is using this day to bring awareness on the negative effects artificial light at night has on our nocturnal pollinators). The video of the interview was further used on The Agenda TV Show.
<https://www.youtube.com/watch?v=ufVm3rjB9jU>
6. Interviewed by BBC journalist for future plans to film an excerpt of a new National Geographic series titled “Home” in the Northern Drakensberg focused on our discovery of lizard pollination of *Guthriea capensis*. July 2022

Public Articles:

1. Gruber, K. 2015. Voracious carnivores caught knocking back sugary flower nectar. NewScientist: Life. (12 June) <http://www.newscientist.com/article/dn27716-voracious-carnivores-caught-knocking-back-sugary-flower-nectar.html#.VX6MZfmqBc>
2. Douglass, M. 2015. The forgotten pollinators: Animals you might not know pollinate flowers. BBC: earth: Nature’s Wonders. <http://www.bbc.com/earth/story/20150514-extraordinary-pollinators>
3. Dall, N. 2020. Is it a bird? Is it a bee? No, it's a lizard pollinating South Africa's 'hidden flower'. The Guardian.
<https://www.google.co.za/amp/s/amp.theguardian.com/environment/2020/nov/25/is-it-a-bird-is-it-a-bee-no-its-a-lizard-pollinating-south-africas-hidden-flower-aoe>

Examination of Dissertations and Theses:

Masters Dissertations:

1. Payne, S. 2016. Supervised by E.T.F. Witkowski and C.T. Symes. Masters dissertation Title: Pollination ecology of the endangered *Aloe peglerae*, an endemic to the Magaliesberg Mountain Range, South Africa. University of the Witwatersrand, South Africa.
2. Twala, M.N. 2018. Supervised by M. Greve, P. le Roux and C. Janion-Scheepers. Masters dissertation Title: A test of the invasional meltdown hypothesis: Does *Sagina procumbens* facilitate the establishment of other invasive taxa on Marion Island? University of Pretoria, South Africa.
3. Chetty, A. 2018. Supervised by E.T.F. Witkowski; Glynis V. Cron; Kelsey L. Glennon; and Sarah M. Venter. Masters dissertation Title: Investigating reproductive traits in the African baobab (*Adansonia digitata* L.) as contributors to disparities in fruit production. University of the Witwatersrand, South Africa.
4. Moodley, S. 2019. Supervised by Ş. Procheş and S. Ramdhani. Masters dissertation Title: The triumphant coleopterans: an analysis of the diversity and distributional patterns of coleopteran families on a global scale. University of KwaZulu-Natal, South Africa.

5. Van den Bosch, K. 2020. Supervised by G.V. Goodman-Cron, E.T.F. Witkowski and D.I. Thompson. Masters dissertation Title: The reproductive ecology of the Pepperbark tree (*Warburgia salutaris*) in the Kruger National Park, South Africa. University of the Witwatersrand, South Africa
6. Mkhize, N.L. 2021. Supervised by T. Olckers, D. Egli and S. Willows-Munro. Masters dissertation Title: Seasonal Abundance and Host Range of Capitulum-feeding Insects Associated with the Invasive Weed *Senecio madagascariensis* (Asteraceae) in its Native Range in KwaZulu-Natal, South Africa. University of KwaZulu-Natal, South Africa.
7. De Kock, C. 2021. Supervised by B. Anderson and C. Minnaar. Masters dissertation Title: Variation in the herkogamy of a handed flower species across space and time. University of Stellenbosch, South Africa.
8. Makgopo, K. 2021. Supervised by K. Balkwill. Masters dissertation Title: Re-assessment of the threat status of three Red Data List plant species: *Brachystelma gerrardii*, *Senecio triodontiphyllus* and *Streptocarpus fasciatus*. University of the Witwatersrand, South Africa
9. Mostert, E. 2021. Supervised by C. Peter. Masters dissertation Title: Population dynamics, fire, and reproductive ecology of *Oldenburgia grandis* (Asteraceae), an unusual fynbos tree endemic to the Eastern Cape. Rhodes University, South Africa
10. Van Heerden, J. 2023. Supervised by T. Wossler and A. Ellis. Masters dissertation Title: The effects of introducing managed Cape honey bee colonies into fynbos systems in South Africa. University of Stellenbosch, South Africa.
11. Van Staden, G. 2023. Supervised by M. Hill, P. Ivey, and K. Weaver. Developing a community of practice to promote the use of biological control, and the development and implementation of integrated management plans for *Prosopis* in South Africa. Rhodes University, South Africa.
12. Ndilenga, N.S. 2023. Supervised by A.G. Ellis, E. Marais and G. Maggs-Kölling. Pollination biology of *Welwitschia mirabilis* in the central Namib Desert, Namibia. University of Stellenbosch, South Africa.

Doctoral Theses:

13. Payne, S. 2019. Supervised by E.T.F. Witkowski and C.T. Symes. Doctoral thesis Title: *Aloe* pollination: Floral visitors, reproductive output and gender expression. University of the Witwatersrand, South Africa.
14. Ho, W.T. 2019. Supervised by T. Edwards, S. Hoebee and P. Green. Doctoral thesis Title: No sex, will travel? The association between invasiveness and mating systems in introduced Iridaceae to Australia. La Trobe University, Australia.

Academic Committee Member

1. Precious Mabuza, Masters candidate at the University of the Witwatersrand. Supervised by K. Balkwill. 2018-2019.
2. Proposal reviewer for Doctoral candidate Zoliswa Mbhele, University of Zululand, 2021. Supervised by N.R. Ntuli, G.E. Zharare, and C. Zimudzi.

External Moderation of University Modules

1. Rhodes University, 2020-2022, Botany undergraduate (BOT202, BOT301, BOT302) and Honours modules (Climate Change, Functional Ecology, General Exam, Pollination, Honours Research Projects), external moderator
2. University of KwaZulu-Natal, 2019-2020, BIOL722 and BIOL733 modules
3. Cape Peninsula University of Technology, 2021, 2022, Advanced Diploma in Vegetation Management
4. Postdoctoral examiner for Honours Blogs in the Department of Biological Sciences, University of Cape Town, for 2013
5. External moderator for APES4017A Biocontrol, APES2042A Life on Earth Diversity II, APES4036A Medicinal Plants

Reviewer Duties:

1. Student Representative on interview panel for the Review of the School of Bioresources Engineering and Environmental Hydrology, UKZN, April 2008
2. I have reviewed over 25 publications for a variety of journals such as the Botanical Journal of the Linnean Society; Phytochemistry; Plant Biology; Ecology and Evolution; Diversity and Distributions; Phytochemical Analysis; Scientific Reports; South African; Journal of Botany; Plant Ecology and Evolution; Journal of tropical Ecology; Biological Journal of the Linnean Society; Acta Botanica Brasiliensis; Flora; Plant Ecology and Diversity; Science; Bulletin of Entomological Research; Austral Ecology; Ecology; Biotropica; and, Theoretical and Experimental Plant Physiology.
3. Reviewed two NRF rating applications (2016, 2018); 1 NRF Competitive Funding for Rated Researchers application (2020); Reviewer on Panel for internal review of NRF rating applications at UFS 2021
4. On the UFS Department of Plant Sciences Panel to internally review NRF Postgraduate scholarship applications; 2020 - current

International Experience

1. 2003-2004 Research exchange program with Uppsala University (Sweden)- Participated in studies investigating the breeding system, pollinator effectiveness, pollinator foraging behaviour, pollen dosage and pollen fates of various Swedish orchid species.
2. Obtained skills needed to operate a GCMS, sample and analyse scent chemical data, through a research visit to Prof RA Raguso's scent ecology laboratory at University of South Carolina, USA, in April 2005 funded by National Geographic.
3. Workshop on women's mentorship hosted by Appalachian State University as part of a Mountain to Mountain Women's mentorship programme in Boone, North Carolina, 26 May- 5 June 2022

Other Professional Activities and Technical Experience:

1. Experience with Gel electrophoresis, PCR, DGGE, Sterile working conditions, Microbiological techniques, Media preparation, Scanning electron microscopy, Insect and plant identification, Pollen sampling, General greenhouse experiments, Preparation of Herbarium specimens

2. Introduction to R-statistical analysis package 2007 and 2009
3. Publicity assistant at the University of KwaZulu-Natal stand at the Garden Show 2005 and 2007, and Royal Agricultural Show (Publicity 2002, 2003, 2004).
4. Display designer, organiser and student advisor at University of KwaZulu-Natal Open Days 2004-2009.
5. Short-term contract to investigate pollen tube growth in a failing Chilli crop, for a small-scale farmer in Pietermaritzburg, October 2005
6. Field assistance on *Isoglossa* pollination study in Cape Vidal coastal dune forest, April 2007 (worked for Prof Mike Lawes and his postdoc Megan Griffiths Ward, School of biological and Conservation Sciences, University of KwaZulu-Natal)
7. Data capture and assisting in field survey of fire diversity in grasslands of the Kruger National Park, Working For Fire research group, April 2008, supervised by Navashni Govender
8. Postdoctoral representative at Biological Sciences Department stand for UCT Science Day at Claremont High School, 15 March 2014

LEADERSHIP AND ADMINISTRATION

Leadership/Administrative Roles:

1. **Subject Head for Botany**, Department of Plant Sciences, Qwaqwa Campus (January 2020 to December 2024, current): Responsible for staff governance, department administration, reporting, staff development, mentorship of staff and postgraduates, serving on UFS structures such as Faculty Management Qwaqwa campus.
2. Administration of upgrades to and running of NAS Greenhouse, and renovations of the common laboratory in the Plant Sciences department on QQ campus. Administered Health and Safety training for all postgraduates and staff. (2020 – current).
3. Together with the postgraduate coordinator, we ran the UFS Qwaqwa Plant Sciences Flash Fact competition June 2022.
4. Member of department committees:
 - a. Teaching and Learning Committee
 - b. Title Registration Committee
 - c. Plant Sciences ExCo
5. Faculty and University committee membership:
 - a. Invited member of 12 academics on the **UFS Vision 130** committee led by Prof Molapo Qhobela (Vice-Rector: Institutional Change, Strategic Partnerships and Social Impact)
 - b. Served as a reviewer and panelist for the UFS Interdisciplinary Research Project Applications committee led by Prof Corli Witthuhn in 2021
 - c. Served on the NAS Institutional Audit Committee 2021-2022
6. Member of the 2020 cohort of the **DHET Future Professors Program** hosted by Prof Jonathan Jansen, Stellenbosch University (2020-current)

Conference Organisation/Involvement:

1. Member of the Local Organising Committee for the annual conference of the South African Association of Botanists (SAAB) 2013, hosted at Drakensville Resort, KwaZulu-Natal, by University of KwaZulu-Natal.
2. **Chairperson** of the 46th annual conference of the South African Association of Botanists. University of the Free State, Qwaqwa Campus. 7-10 January 2020.
3. Member of the Scientific Review Committee for The Conservation Symposium, 31 Oct-4 Nov 2022
4. Member of the Local Organising Committee and Scientific Review Committee of the 1st South African Mountain Conference 2022 (SAMC2022). 14-17 March 2022.