

Curriculum Vitae: Jennifer Fitchett

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Personal Details

Full Name: Jennifer Myfanwy Fitchett

Date of Birth: 27 April 1989

Place of Birth: Johannesburg, South Africa

Nationality: South African

Languages: English (home language), Afrikaans and French (basic proficiency)

Current Occupation: Associate Professor of Physical Geography, School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand (1 December 2019 – Present)

Employment History

Dec 2019 - Present: Associate Professor of Physical Geography, School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand

Mar 2018 - Nov 2019: Senior Lecturer in Physical Geography, School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand

Feb 2017- Feb 2018: Lecturer in Physical Geography, School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand

Jan - Dec 2016: Centre of Excellence for Palaeoscience Postdoctoral Fellow – Evolutionary Studies Institute, University of the Witwatersrand, Johannesburg (January – December)

Jul - Dec 2015: Research assistant to the Head of School (Prof F Ahmed) – School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand, Johannesburg (August –December)

Aug - Dec 2015: Postdoctoral Research Intern – School of Geography, Archaeology and Environmental Studies, University of the Witwatersrand, Johannesburg (September – December)

Feb 2012 - Dec 2016: Sessional Lecturer and Tutor – School of Geography, Archaeology and Environmental Science, University of the Witwatersrand, Johannesburg

Jan 2012 - Dec 2014: Debating coach, Parktown High School for Girls, Johannesburg

Jul - Dec 2011: Part-time Grade 8 and 9 Social Sciences Teacher and Assessor, Parktown High School for Girls, Johannesburg

University Education

2013 – 2015: PhD in Geography, WITS

University of the Witwatersrand, Braamfontein, Johannesburg, South Africa
(With three-month split-site component registered as an Affiliate Visiting Research Student at University College London, United Kingdom: June – August 2014)

THESIS: Towards a multi-proxy Holocene palaeoclimatic and palaeoenvironmental reconstruction for eastern Lesotho

Supervisors: Profs Stefan Grab (WITS), Marion Bamford (WITS) and Anson Mackay (UCL)

2012 – 2013: Master of Science by Research: Geography (with Distinction)

University of the Witwatersrand, Braamfontein, Johannesburg, WITS 2050

DISSERTATION: Phenological response of citrus flowering to climate variability and change in Iran: 1960-2010.

Supervisors: Prof Stefan Grab (WITS) and Dr Dave Thompson (SAEON)

2011: Bachelor of Science Honours: Geography (with distinction – 87%)

University of the Witwatersrand, Braamfontein, Johannesburg, South Africa

COURSEWORK: Environmental Management (80%)

Conservation Biogeography (81%)

Palaeogeomorphology (84%)

Climate Change (90%)

RESEARCH PROJECT: “A study of the effects of climate variability, tree age and management practises on increases in mango yields at Bavaria Estate, Hoedspruit, South Africa” (with distinction – 95%)

Supervisors: Prof Stefan Grab (WITS) and Dr Dave Thompson (SAEON)

2008 – 2010: Bachelor of Science (with distinction)

SPECIALISATION: Environmental and Geographical Science (with distinction);

Ocean and Atmospheric Science (with distinction)

University of Cape Town, Rondebosch, Cape Town, South Africa

ACTIVITIES: University of Cape Town Debating Union (UCTDU) – Speaker and Adjudicator

Short Courses Completed

2013: Tim Haas – Spatial Statistics (held at the University of the Witwatersrand, June-July)

2015: Stephen Juggins – Analysing palaeoecological data with R (held at UCT, February)

Masterclasses attended

2015: Malvern masterclass on advanced use of Mastersizers in particle size analysis

Wirsam masterclass on advanced microscopy and microscope image analysis

Research Activity

National Research Foundation Rating: Y1 (2019-2024)

H-index: 21 (Google Scholar, January 2022)

: 15 (Scopus, November 2021)

Citations: 1463 (Google Scholar, January 2022)

: 674 (Scopus, November 2021)

Publications: Journal Articles

Underlined entries represent authorship of my postgraduate students and postdoctoral fellows.

Impact Factors listed as those available at time of publication.

77. Petherick, L., Knight, J., Schulmeister, J., Bostock, H., Lorrey, A., **Fitchett, J.**, Eaves, S., Vandergoes, M.J., Barrows, T.T., Barrell, D.J.A., Eze, P.N., Hesse, P., Jara, I.A., Mills, S., Newnham, R., Pedro, J., Ryan, M., Saunders, K.M., White, D., Rojas, M. and Turney, C. 2022. An extended last glacial maximum in the Southern Hemisphere: A contribution to the SHEMax project. *Earth Science Reviews*, In Press.

Contribution: co-authored the sections on climate drivers and modes of variability in the southern Hemisphere, southern Africa, and future work. Co-wrote the revisions on the first and second round.

76. Roshan, G., Sarli, R. and **Fitchett, J.M.** 2022. Urban Heat Island and Thermal comfort of Esfahan City (Iran) during COVID-19 Lockdown. *Journal of Cleaner Production*, 352: 131498.

Contribution: Assisted with data analysis and production of figures, wrote the literature review and discussion sections, co-wrote and revised the manuscript.

75. Roffe, S.J., Steinkopf, J. and ***Fitchett, J.M.** (2022). South African winter rainfall zone shifts: A comparison of seasonality metrics for Cape Town from 1841-1899 and 1933-2020. *Theoretical and Applied Climatology*, 147: 1229-1247. (IF=3.375)

Contribution: Co-conceptualisation of the paper; supervision of S Roffe; assistance with data analysis and write up.

74. Snyman, P. and ***Fitchett, J.M.** (2022). Phenological advance in the South African Namaqualand Daisy first and peak bloom: 1935-2018. *International Journal of Biometeorology*, DOI: 10.1007/s00484-021-02229-3. (IF=3.811)

Contribution: Conceptualisation of project and paper; supervision of the student; assistance with data analysis, production of figures, and writing and editing of the paper.

73. Combrink, M., ***Fitchett, J.M.**, Bamford, M.K. and Botha, G.A. (2022). A late Quaternary palaeoenvironmental record from Ntsikeni Wetland, KwaZulu-Natal Maloti-Drakensberg, South Africa. *Quaternary International*, 611-612: 55-65 (IF = 2.4)

Contribution: Co-conceptualisation of paper; co-supervision of the student, assistance with data analysis, co-writing and revising of manuscript.

72. Herbert, A.V. and ***Fitchett, J.M.** (2022). Synthesising the pollen records for the Drakensberg-Maloti through quantitative modelling. *Quaternary International*, 611-612: 77-86 (IF=2.1)

Contribution: Conceptualisation of research project and paper; supervision of the postdoctoral fellow, assistance with data collection, co-writing and revising of manuscript.

71. Lourenco, M., ***Fitchett, J.M.**, and Woodborne, S. (2022). Angolan highlands peatlands: Extent, age and growth dynamics. *Science of the Total Environment*, 810, DOI: 10.1016/j.scitotenv.2021.152315

Contribution: Co-conceptualised the research project and paper; supervised the student; co-wrote and co-revised the manuscript.

70. Fraser, K. and ***Fitchett, J.M.** (2022). Misinformation and instant access: inconsistent reporting during extreme climatic events, reflecting on Tropical Cyclone Idai. *Weather, Climate and Society*, 14(1): 273-286.

Contribution: Conceptualised the research project; supervised the student; co-wrote and co-revision of manuscript.

69. Abrahams, Z., Hoogendoorn, G. and **Fitchett, J.M.** (2022). Glacier tourism and tourist reviews: An experiential engagement with the concept of 'Last Chance Tourism'. *Scandinavian Journal of Hospitality and Tourism*, 22(1): 1-14 DOI: 10.1080/15022250.2021.1974545 (IF=4.9)

Contribution: Co-conceptualisation of research project and paper; assistance with data analysis, co-writing and revising of manuscript.

68. Noome, K. and ***Fitchett, J.M.** (2022). Quantifying the climatic suitability for tourism in Namibia using the tourism climatic index (TCI). *Environment, Development and Sustainability*, 24: 5094-5111. (IF=3.2)

Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.

67. ***Fitchett, J.M.** and Swatton, D-A. (2022). Exploring public awareness of the current and future malaria risk zones in South Africa under climate change: a pilot study. *International Journal of Biometeorology*, 66: 301-311 (IF=3.8)

Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data collection and data analysis, writing and revising of manuscript.

66. Van der Walt, A.J. and ***Fitchett, J.M.** (2022). Extreme Temperature Events (ETEs) in South Africa: a review. *South African Geographical Journal*, 104(1): 70-88 (IF=2.7)

Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.

65. Knight, J. and **Fitchett, J.M.** (2022). Issues of measuring and interpreting wind direction. *South African Geographical Journal*, 104(1): 35-52. (IF=2.7)

Contribution: Co-conceptualisation of research project and paper; co-writing and revising of manuscript.

64. Pillay, M.T. and ***Fitchett, J.M.** (2021). On the conditions of formation of Southern Hemisphere tropical cyclones. *Weather and Climate Extremes*, 34, 100376.

Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data analysis, co-writing and revising of manuscript.

63. Mushawemhuka, W., Hoogendoorn, G. and **Fitchett, J.M.** (2021). Implications of misleading news reporting on tourism at the Victoria Falls, Zimbabwe. *Weather, Climate and Society*, 13: 1015-1025 (IF=2.75)

Contribution: Co-conceptualisation of research project and paper; co-supervision of the student, assistance with data analysis, co-writing and revising of manuscript.

62. Miller, R.M., Krapf, C., Hoey, T., **Fitchett, J.**, Nguno, A-K., Muyambas, R., Ndeutepo, A., Medialdea, A., Whitehead, A. and Stengel, I. (2021). A sedimentological record of fluvial-aeolian interactions and climate variability in the hyperarid northern Namib Desert, Namibia. *South African Journal of Geology*, 124(3): 575-610

Contribution: Climatological analysis and climatological literature component.

61. Mushawemhuka, W., ***Fitchett, J.M.** and Hoogendoorn, G. (2021). Towards quantifying climate suitability for Zimbabwean nature-based tourism. *South African Geographical Journal*, 103(4): 443-463 (IF=2.7)

Contribution: Co-conceptualisation of research project and paper; co-supervision of the student, assistance with data analysis, co-writing and revising of manuscript.

61. Knight, J. and **Fitchett, J.M.** (2021). Place, space and time: resolving Quaternary records. *South African Journal of Geology*, 124(4): 1107-1114.

Contribution: co-conceptualised the paper, co-wrote and co-edited the manuscript.

60. Roffe, S.J., ***Fitchett, J.M.** and Curtis, C.J. (2021). Quantifying rainfall seasonality across South Africa on the basis of the relationship between rainfall and temperature. *Climate Dynamics*, 56: 2431-2450. (IF=4.4).

Contribution: Conceptualisation of research project and paper; co-supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.

59. Kylander, M.E., Holm, M., **Fitchett, J.**, Grab, S., Martinez Cortizas, A., Norström, E. and Bindler, R. (2021). Late glacial (17,060-13,400 cal yr BP) sedimentary and palaeoenvironmental evolution of the Sekhokong Range (Drakensberg), southern Africa. *PlosOne*, DOI: <https://doi.org/10.1371/journal.pone.0246821>. (IF=3.2)

Contribution: Fieldwork for sediment collection, preparation of pollen samples, pollen identification and analysis, co-writing and revising of manuscript.

58. Knight, J. and **Fitchett, J.M.** (2021). A proposed chronostratigraphic framework for the late Quaternary of southern Africa. *South African Journal of Geology*, 124(4): 843-862.

Contribution: Co-conceptualisation of research project and paper; collaboration on data collection and analysis, co-writing and revising of manuscript.

57. ***Fitchett, J.M.** and Raik, K. (2021). Phenological advance of blossoming over the past century in one of the world's largest urban forests, Gauteng City-Region, South Africa. *Urban Forestry and Urban Greening*, 63, DOI: 10.1016/j.ufug.2021.127238. (IF=4.5)

Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data collection, conducted the data analysis, writing and revising of manuscript.

56. Herbert, A.V. and ***Fitchett, J.M.** (2021). Quantifying Late Quaternary rainfall seasonality changes for Australia: application of the Poaceae:Asteraceae pollen ratio. *Quaternary Research*, 102: 24-38 (IF = 2.5)

Contribution: Conceptualisation of research project and paper; co-supervision of the postdoctoral fellow, assistance with data collection and analysis, co-writing and revising of manuscript.

55. ***Fitchett, J.M.** (2021). Perspectives on biometeorological research on the African continent. *International Journal of Biometeorology*, 65: 133-147 (IF = 2.8)

Contribution: solo-authored.

54. Pillay, M.T. and ***Fitchett, J.M.** (2021). Southern hemisphere tropical cyclones: A critical analysis of regional characteristics. *International Journal of Climatology*, 41: 146-161 (IF = 4.1)

Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data analysis, co-writing and revising of manuscript.

53. Van der Walt, A.J. and ***Fitchett, J.M.** (2021). Exploring extreme warm temperature trends in South Africa: 1960-2016. *Theoretical and Applied Climatology*, 143: 1341-1360. (IF=3.2)

Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.

52. Roffe, S.J., ***Fitchett, J.M.** and Curtis, C.J. (2021). Investigating change in rainfall seasonality across South Africa: 1987-2016. *International Journal of Climatology*, 41(S1): 2031-2050 (IF = 4.1)
- Contribution: Conceptualisation of research project and paper; co-supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.
51. Hoogendoorn, G., Stockigt, L., Saarinen, J. and **Fitchett, J.M.** (2021). Adapting to climate change: the case of snow-based tourism in Afriski, Lesotho. *African Geographical Review*, 40(1): 92-104.
- Contribution: Co-conceptualisation of research project and paper; co-supervision of the student, assistance with data analysis, co-writing and revising of manuscript.
50. Van der Walt, A.J. and ***Fitchett, J.M.** (2021). Trend analysis of cold extremes in South Africa: 1960-2016. *International Journal of Climatology*, 41(3): 2060-2081. (IF=4.1)
- Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.
49. Knight, J. and **Fitchett, J.M.** (2020). Analysing trajectories of vegetation and landscape change in southern Africa from historical field photographs. *Anthropocene*, 32, DOI: 10.1016/j.ancene.2020.100271. (IF=3.96)
- Co-conceptualisation of research project and paper, co-writing and revising of manuscript.
48. Harduth, T. and ***Fitchett, J.M.** (2020). Climatic deviations across a transect of South Africa during El Niño and La Niña years. *Journal of Climate Change Research*, 1(4): 49-65.
- Contribution: Co-onceptualisation of research project and paper; co-supervision of the student, assistance with data analysis, co-writing and revising of manuscript.
47. Van der Walt, A. and ***Fitchett, J.M.** (2020). Statistical classification of South African Seasonal Divisions on the Basis of Daily Temperature Data. *South African Journal of Science*, 116(9/10), DOI: 10.17159/sajs.2020/7614. (IF = 1.9)
- Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.
46. Smit, A.J., **Fitchett, J.M.**, Engelbrecht, F.A., Scholes, R.J., Dzhivhuho, G. and Sweijd, N.A. (2020). Winter is coming: A Southern Hemisphere Perspective of the Environmental Drivers of SARS-CoV-2 and the Potential Seasonality of COVID-19. *International Journal of Environmental Research and Public Health*, 17(16): 5364, DOI: 10.3390/ijerph17165634. (IF = 2.9)
- Contribution: Collaborated on the collection of the papers reviewed, authored the section on the southern hemisphere context, assisted in revising the manuscript.

45. Esteban, I., **Fitchett, J.M.** and de la Peña, P. (2020). Plant taphonomy, flora exploitation and palaeoenvironments at the Middle Stone Age site of Mwulu's Cave (Limpopo, South Africa): an archaeobotanical and mineralogical approach. *Archaeological and Anthropological Sciences*, DOI: 10.1007/s12520-020-01181-4.(IF = 2.1)
- Contribution: Preparation of pollen samples, pollen identification and analysis, co-writing and revising of manuscript.
44. Roshan, G., Faghani, M. and **Fitchett, J.M.** (2020). Developing a thermal stress map of Iran through modeling a combination of bioclimatic indices. *Environmental Modelling and Assessment*, 192: 549-570 (IF = 2.3)
- Contribution: Assisted with data analysis and interpretation, authored the literature review section, co-writing and revising the manuscript.
43. Rose, N.L., Milner A.M., **Fitchett, J.M.**, Langerman, K.E., Yang, H., Turner, S.D., Jourdan. A-L., Shilland, J., Martins, C.C., Câmara de Souza, A. and Curtis, C.J. (2020). Natural archives of long-range transported contamination at the remote lake Letšeng-la Letsie, Maloti Mountains, Lesotho. *Science of the Total Environment*, DOI: 10.1016/j.scitotenv.2020.139642. (IF = 5.6)
- Contribution: Co-conceptualisation of research project, co-application for funding, participated in the fieldwork, climatological analysis, co-writing and revising of manuscript.
42. Friedrich, J., Stahl, J., **Fitchett, J.M.** and Hoogendoorn, G. (2020). To beach or not to beach? Socio-economic factors influencing beach tourists' perceptions of climate and weather in South Africa. *Transactions of the Royal Society of South Africa*, 75(2): 194-202.
- Contribution: Co-conceptualisation of research project and paper; co-supervision of the student, assistance with data analysis, co-writing and revising of manuscript.
41. Friedrich, J., Stahl, H., Hoogendoorn, G. and **Fitchett, J.M.** (2020). Exploring climate change threats to beach tourism destinations: Application of the Hazard-Activities Pairs Methodology to South Africa. *Weather, Climate and Society*, 12(3): 529-544 (IF = 2.0)
- Contribution: Co-conceptualisation of research project and paper; co-supervision of the student, assistance with data analysis, co-writing and revising of manuscript.
40. ***Fitchett, J.M.**, Fortune, S-M. and Hoogendoorn, G. (2020). Tourists' reviews of weather in five Indian Ocean Islands. *Singapore Journal of Tropical Geography*, 41(2): 171-189 (IF = 1.3)
- Contribution: Co-conceptualisation of research project and paper; co-supervision of the student, assistance with data analysis, led the writing and revising of manuscript.
39. Fenton, A., Wafer, A. and ***Fitchett, J.M.** (2020). Youth mobility in a Post-Apartheid City: An analysis of the use of E-hailing by students in Johannesburg, South Africa. *Urban Forum*, 31(2): 255-272 (SNIP = 1.0)
- Contribution: Co-conceptualisation of research project and paper; co-supervision of the student, assistance with data analysis, co-writing and revising of manuscript.

38. Roffe, S.J., ***Fitchett, J.M.** and Curtis, C.J. (2020). Determining the utility of a percentile-based wet-season start- and end-date metric across South Africa. *Theoretical and Applied Climatology*, 140: 1331-1347 (IF = 2.7)
- Contribution: Co-conceptualisation of research project and paper; co-supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.
37. Smith, T. and ***Fitchett, J.M.** (2020). Drought challenges to Nature-Based Tourism in the Sabi Sands Region of South Africa. *African Journal of Range and Forage Science*, 37(1): 107-117 (IF = 1.2)
- Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data analysis, co-writing and revising of manuscript.
36. Hoogendoorn, G., Meintjies, D., Kelso, C. **and Fitchett, J.M.** (2019). Tourism as an incentive for rewilding: the conversion from cattle to game farms in Limpopo Province, South Africa. *Journal of Ecotourism*, DOI: 10.1080/14724049.2018.1502297. (SNIP = 1.1)
- Contribution: Co-conceptualisation paper; assistance with data analysis, co-writing and revising of manuscript.
35. Noome, K. and ***Fitchett, J.M.** (2019). An assessment of the climatic suitability of Afriski Mountain Resort for Outdoor Tourism using the Tourism Climatic Index (TCI). *Submitted to Journal of Mountain Science*, 16(11): 2453-2469. (IF = 1.4)
- Contribution: Conceptualisation of research project and paper; supervision of the student, data collection, assistance with data analysis, co-writing and revising of manuscript.
34. Pillay, M.T. and ***Fitchett, J.M.** (2019). The occurrence of tropical cyclone landfall south of the Tropic of Capricorn, Southwest Indian Ocean. *Climate Research*, 79: 23-37. (IF = 1.7)
- Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.
33. Mahlangu, M.N. and ***Fitchett, J.M.** (2019). Climate change threats to a floral wedding: threats of shifting phenology on the emerging South African wedding industry. *Bulletin of Geography: Socio-Economic Series*, 45: 7-23. (SNIP = 0.59)
- Contribution: Conceptualisation of research project and paper; supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.
32. ***Fitchett, J.M.**, Grab, S.W. and Portwig, H. (2019). Progressive delays in the timing of sardine migration in the South-West Indian Ocean. *South African Journal of Science*, 115(7/8): 61-66. (IF=1.2)
- Contribution: Co-conceptualisation of paper; data analysis, led the writing and revising of manuscript.

31. Roffe, S.J., ***Fitchett, J.M.**, and Curtis, C.J. (2019) Classifying and Mapping Rainfall Seasonality in South Africa: a review. *South African Geographical Journal*, 101(2): 158-174 (IF = 0.9)
- Contribution: Conceptualisation of research project and paper; co-supervision of the student, assistance with data collection and analysis, co-writing and revising of manuscript.
30. De la Peña, P., Val, A., Stratford, D.J., Colino, F., Esteban, I., **Fitchett, J.M.**, Hodgskiss, T., Matembo, J. and Moll, R. (2019). Revisiting Mwulu's Cave: New Insights into the Middle Stone Age in the southern African Savannah Biome. *Archaeological and Anthropological Sciences*, 11(7): 3239-3266. (IF = 2.5)
- Contribution: Preparation of pollen samples, pollen identification and analysis, co-writing and revising of manuscript.
29. ***Fitchett, J.M.** and Hoogendoorn, G. (2019). Exploring the Climate Sensitivity of Tourists to South Africa through TripAdvisor Reviews. *South African Geographical Journal*, 101(1): 91-109. (IF = 0.9)
- Contribution: Conceptualised the research project and paper, developed the methodology, co-collected the data, analysed the data, co-writing and revising the manuscript
28. ***Fitchett, J.M.** (2018). Recent emergence of CAT5 tropical cyclones in the South Indian Ocean. *South African Journal of Science*, 114(11/12): 83-88. (IF=1.2)
- Contribution: solo-authored paper
27. ***Fitchett, J.M.** and Hoogendoorn, G. (2018). An analysis of factors affecting tourist's accounts of weather in South Africa. *International Journal of Biometeorology*, 62(12): 2161-2172. (IF = 2.6)
- Contribution: Conceptualised the research project and paper, developed the methodology, co-collected the data, analysed the data, co-writing and revising the manuscript
26. Hoogendoorn, G. and **Fitchett, J.M.** (2018). Perspectives on second homes, climate change and tourism in South Africa. *African Journal of Hospitality, Tourism and Leisure*, 7(2): 1-18. (SNIP = 0.1)
- Contribution: Co-conceptualised the research project and paper, co-collected the literature to review, co-writing and revising the manuscript
25. Noström, E., Bringensparr, C., **Fitchett, J.**, Grab, S., Rydberg, J. and Kylander, M. (2018). Late Holocene climate and vegetation dynamics in eastern Lesotho Highlands. *The Holocene*, 28(9), 1483-1494. (IF = 2.7)
- Contribution: Collaborated on the fieldwork, preparation of pollen and diatom samples, pollen and diatom identification and analysis, co-writing and revising of manuscript.
24. Hoogendoorn, G. and **Fitchett, J.M.** (2018). Tourism and climate change: a review of threats and adaptation strategies for Africa. *Current Issues in Tourism*, 21(7): 742-759. (IF = 3.5)

- Contribution: Co-conceptualised the research project and paper, co-collected the literature to review, co-writing and revising the manuscript
- 23. *Fitchett, J.M.** and Ebhuoma, E. (2018). Phenological cues intrinsic in indigenous knowledge systems for forecasting seasonal climate in the Delta State of Nigeria. *International Journal of Biometeorology*. 62(6): 1115-1119. (IF = 2.6)
- Contribution: Conceptualised the paper, collaborated on the framing and analysis of the data, co-writing and revising the manuscript
- 22. *Fitchett, J.M.** and Bamford, M.K. (2017). The validity of the Asteraceae: Poaceae fossil pollen ratio in discrimination of the southern African summer- and winter-rainfall zones. *Quaternary Science Reviews*, 160: 85-95. (IF = 5.1)
- Contribution: Conceptualised the research project and paper, collected the data and performed all analysis, co-writing and revising the manuscript. This work emanates from my postdoctoral fellowship.
- 21. Fitchett, J.M.**, Grab, S.W., Bamford, M.K. and Mackay, A.W. (2017). Late Quaternary Research in southern Africa: progress, challenges and future trajectories. *Transactions of the Royal Society of South Africa*, 72(3): 280-293.
- Contribution: Conceptualised the paper, collected the literature reviewed and performed all analysis, co-writing and revising the manuscript. This work emanates from my PhD.
- 20. Fitchett, J.M.**, Bamford, M.K., Mackay, A.W. and Grab, S.W. (2017). *Chrysocoma ciliata* L. (Asteraceae) in the Lesotho Highlands: An anthropogenically introduced invasive or a niche coloniser? *Biological Invasions*, 19(9): 2711-2728. (IF = 3.2)
- Contribution: Conceptualised the paper, conducted the fieldwork, performed laboratory and statistical analysis, co-writing and revising the manuscript. This work emanates from my PhD.
19. Giddy, J.K., **Fitchett, J.M.**, & Hoogendoorn, G. (2017). A case study into the preparedness of white-water tourism to severe climatic events: the case of South Africa and Namibia. *Tourism Review International*, 21(2): 213-220.
- Contribution: Co-conceptualised the research and paper, assisted in collection and analysis of data, co-writing and revising the manuscript
18. Giddy, J.K., **Fitchett, J.M.**, & Hoogendoorn, G. (2017). Insight into American Tourists' Experiences with Weather in South Africa. *Bulletin of Geography: Socio-Economic Series* 38: 57-72. (SNIP = 0.59)
- Contribution: Co-conceptualised the research and paper, assisted in collection and analysis of data, co-writing and revising the manuscript
- 17. Fitchett, J.M.**, Grab, S.W., Bamford, M.K. and Mackay, A.W. (2016). A multi-proxy analysis of late Quaternary palaeoenvironments, Sekhokong Range, Eastern Lesotho. *Journal of Quaternary Science*, 31(7), 788-798. (IF = 2.3)

Contribution: Conceptualised the paper, conducted the fieldwork, performed laboratory and statistical analysis, co-writing and revising the manuscript. This work emanates from my PhD.

- 16. Fitchett, J.M.**, Mackay, A.W., Grab, S.W. and Bamford, M.K. (2016). Holocene climatic variability indicated by a multi-proxy record from southern Africa's highest wetland. *The Holocene*, 27(5): 638-650. (IF = 2.7)

Contribution: Conceptualised the paper, conducted the fieldwork, performed laboratory and statistical analysis, co-writing and revising the manuscript. This work emanates from my PhD.

- 15. Fitchett, J.M.**, Hoogendoorn, G. and Robinson, D. (2016). Climate suitability for tourism in South Africa. *Journal of Sustainable Tourism*, 25(6): 851-867. (IF = 3.3)

Contribution: Conceptualised the research and paper, co-supervised the student, assisted in collection and analysis of data, co-writing and revising the manuscript

- 14. Fitchett, J.M.**, Hoogendoorn, G. and Robinson, D. (2016). Data challenges and solutions in the calculation of Tourism Climate Index (TCI) scores in South Africa. *Tourism: An International Interdisciplinary Journal*, 64(4): 359-370.

Contribution: Conceptualised the research and paper, co-supervised the student, assisted in collection of the data, performed data reanalysis, co-writing and revising the manuscript

13. Saeidabadi, R., Najafi, M.S., Roshan, G., **Fitchett, J.M.** and Abkharabat, S. (2016). Modelling spatial, altitudinal and temporal variability of annual precipitation in mountainous regions: The case of the Middle Zagros, Iran. *Asia-Pacific Journal of Atmospheric Sciences*, 52(5) 437-449. (IF = 1.5)

Contribution: Assisted in the analysis and interpretation of data, wrote the literature review section, co-writing and revising the manuscript.

- 12. Fitchett, J.M.**, Grab, S.W., Bamford, M.K. and Mackay, A.W. (2016). A multi-disciplinary review of late Quaternary palaeoenvironments and environments for Lesotho. *South African Journal of Science*, 112(7/8): 24-32. (IF=1.2)

Contribution: Conceptualised the paper, collated the literature reviewed and performed the analysis, co-writing and revising the manuscript. This work emanates from my PhD.

11. Thackeray, J.F. and **Fitchett, J.M.** (2016). Rainfall seasonality captured in micromammalian fauna in late Quaternary contexts, South Africa. *Palaeontologia Africana*, 51: 1-9.

Contribution: Co-conceptualised the paper, assisted in analysis of data, co-writing and revising the manuscript

- 10. Fitchett, J.**, Grab, S.W. and Thompson, D.I. (2016). Temperature and tree age interact to increase mango yields in the Lowveld, South Africa. *South African Geographical Journal*, 98(1): 105-117. (IF = 0.9)

Contribution: Co-conceptualised the paper, conducted the fieldwork, data collection and analysis, co-writing and revising the manuscript. This work emanated from my Honours degree.

9. Roshan, G., Yousefi, R. and **Fitchett, J.M.** (2016). Long-Term Trends in Tourism Climate Index Scores for 40 stations across Iran: The Role of Climate Change and Influence on Tourism Sustainability. *International Journal of Biometeorology*, 60(1): 33-52. (IF = 2.6)

Contribution: Assisted in the analysis and interpretation of data, wrote the literature review section and discussion, co-writing and revising the manuscript.

8. **Fitchett, J.M.**, Grant, B. and Hoogendoorn, G. (2016). Climate change threats to two low-lying South African coastal towns: Risks versus perceptions. *South African Journal of Science*, 112 (5/6): 86-94. (IF=1.2)

Contribution: Co-conceptualised the research and paper, co-supervised the student, assisted in analysis of data, co-writing and revising the manuscript

7. **Fitchett, J.M.**, Hoogendoorn, G. and Swemmer, A.M. (2016). Economic costs of the 2012 floods on tourism in the Mopani District Municipality, South Africa. *Transactions of the Royal Society of South Africa*, 71(2): 187-194.

Contribution: Conceptualised the paper, analysed the data, co-writing and revising the manuscript

6. Hoogendoorn, G., Grant, B. and **Fitchett, J.M.** (2016). Disjunct perceptions? Climate change threats in two-low lying South African coastal towns. *Bulletin of Geography: SocioEconomic Series*, 31: 59-71. (SNIP = 0.59)

Contribution: Co-conceptualised the research and paper, co-supervised the student, assisted in analysis of data, co-writing and revising the manuscript

5. **Fitchett, J.M.**, Grab, S.W. and Thompson, D.I. (2015). Plant Phenology and Climate Change: Progress in Methodological Approaches and Applications. *Progress in Physical Geography*, 39(4): 460-482. (IF = 4.3)

Contribution: Co-conceptualised the paper, collected the literature and performed the analysis, co-writing and revising the manuscript. This work emanated from my MSc.

4. Hoogendoorn, G., Grant, B. and **Fitchett, J.M.** (2015). Towards green guest houses in South Africa: the case of Gauteng and KwaZulu-Natal. *South African Geographical Journal*, 97(2): 123-138. (IF = 0.9)

Contribution: Co-conceptualised the research and paper, co-supervised the student, assisted in analysis of data, co-writing and revising the manuscript

3. **Fitchett, J.M.** and Grab, S.W. (2014). A 66-year tropical cyclone record for south-east Africa: temporal trends in a global context. *International Journal of Climatology*, 34(13): 3604-3615. (IF = 3.1)

Contribution: Co-conceptualised the paper, collected the data and performed the analysis, co-writing and revising the manuscript. This work emanated from my Honours degree.

- 2. Fitchett, J.M.,** Grab, S.W., Thompson, D.I. and Roshan, G. (2014). Increased frost risk associated with advanced citrus flowering dates in Kerman and Shiraz, Iran: 1960-2010. *International Journal of Biometeorology*, 58(8): 1811-1815. (IF = 2.6)

Contribution: Co-conceptualised the paper, analysed the data, co-writing and revising the manuscript. This work emanated from my MSc.

- 1. Fitchett, J.M.,** Grab, S.W., Thompson, D.I. and Roshan, G. (2014). Spatio-temporal variation in phenological response of citrus to climate change in Iran: 1960-2010. *Agricultural and Forest Meteorology*, 198: 285-293. (IF = 5.0)

Contribution: Co-conceptualised the paper, analysed the data, co-writing and revising the manuscript. This work emanated from my MSc.

Publications: Monographs

- Saarinen, J., **Fitchett, J.M.** and Hoogendoorn, G. 2022. *Climate Change and Tourism in southern Africa*. Routledge, London.

Contribution: Co-conceptualised the book. Lead authorship on three chapters, completed a further two chapters. Co-edited and co-revised the monograph.

Publications: Book Chapters

- 10. Friedrich, J., Stahl, J.,** Hoogendoorn, G. and **Fitchett, J.M.** 2022. Local heterogeneity in climate change threats to beach tourism destinations in South Africa. In: Saarinen, J., Moswete, N. and Lubbe, B. (Eds). *Southern African Perspectives on Sustainable Tourism Management: Tourism and Changing Localities*. Springer, Cham, pp. 199-213, DOI: 10.1007/978-3-030-99435-8_14

Contribution: Co-conceptualised the research question and chapter, co-supervised the students, co-authors and co-revised the chapter.

- 9. Magaya, S. and Fitchett, J.M.** (2022). Approaching positionality in research on Indigenous Knowledge Systems. In: Ebhuoma, E. and Leonard, L. (Eds.) *Indigenous Knowledge and Climate Governance*, Spring: Cham, pp. 81-93. DOI: 10.1007/978-3-030-99411-2_7.

Contribution: Conceptualised the research question and the chapter, supervised the student, co-authored and co-revised the chapter.

- 8. *Fitchett, J.M.** (2021). Climate change threats to Urban Tourism in South Africa. In: Rogerson, C.M. and Rogerson, J.M. (Eds.) *Urban Tourism in the Global South*, Springer: Cham, pp. 77-92, DOI: 10.1007/978-3-030-71547-2

Contribution: Solo-authored work.

- 7. Dube, K., Chapangu, L. and Fitchett, J.M.** (2021). Meteorological and climatic aspects of Cyclone Idai and Kenneth. In: Nhamo, G. and Dube, K. (Eds.) *Cyclones in Southern Africa, Vol. 2: Foundational and Fundamental Topics*, Springer: Cham, pp. 19-36.

Contribution: Storm track analysis, co-writing and editing the manuscript.

6. ***Fitchett, J.M.** and Roshan, Gh.R. (2020). Climate change threats to cultural and heritage tourism in Iran. In: Hall, C.M. and Seyfi, S. (Eds.) *Cultural and Heritage Tourism in the Middle East and North America (MENA): Complexity, Management and Practices*. Routledge, London. DOI: 10.4324/9780429279065.

Contribution: Conceptualised the book chapter, applied for inclusion in the edited volume, compilation of TCI, PET and UCI records, led the writing and revision of the manuscript.

5. Hoogendoorn, G. and **Fitchett, J.M.** (2019). Fourteen years of tourism and climate change research in southern Africa: Lessons on sustainability under conditions of global change. In Stone, M.T., Lenao, M. and Moswete, N. (Eds.) *Natural Resources, Tourism and Community Livelihoods in Southern Africa: Challenges for Sustainable Development*. Routledge: London, DOI: 10.4324/9780429289422

Contribution: Co-conceptualised the project and book chapter, co-compiled and analysed the literature, co-writing and editing of the manuscript.

4. Knight, J. and **Fitchett, J.M.** (2019). Climate Change during the Late Quaternary in South Africa. In Knight, J. and Rogerson, C.M. *The Geography of South Africa*, Springer, pp. 37-45.

Contribution: Co-compiled and analysed datasets. Co-wrote and revised the chapter.

3. ***Fitchett, J.M.** (2019). The Holocene Climates of South Africa. In Knight, J. and Rogerson, C.M. *The Geography of South Africa*, Springer, pp. 47-55.

Contribution: Solo authored work

2. Hoogendoorn, G. and **Fitchett, J.M.** (2018). Climate change and tourism research in South Africa: prospects and obstacles for mixed-method approaches. In Nunkoo, R. (Ed.) *Handbook of Research Methods in Tourism and Hospitality Management*. Edward Elgar, United Kingdom, pp. 441-447.

Contribution: Co-conceptualised the chapter and applied for inclusion in the edited collection. Co-compiled the literature and analysed it. Co-writing and editing of the manuscript..

1. **Fitchett, J.M.**, Knight, J. and Grab, S.W. (2016). Minerogenic microfossil records of Quaternary environmental change in southern Africa. In: Knight, J. and Grab, S.W. (Eds.). *Quaternary environmental change in southern Africa: physical and human dimensions*. Cambridge University Press, Cambridge, pp. 324-348.

Contribution: Compiled the datasets, led the writing and revision of the chapter.

Publications: Conference Proceedings

3. ***Fitchett, J.M.** and Fani, A.H. (2018). Advance in Jacaranda blossom phenology in the South African Highveld Interior. *Proceedings of the Biennial Conference of the Society of South African Geographers, Bloemfontein* (1-5 October 2018), pp. 467-486.

Contribution: Conceptualised the research project and paper, supervised the student, reanalysed the data, led the writing and revision of the manuscript.

2. Stockigt, L., Hoogendoorn, G., **Fitchett, J.M.** and Saarinen, J. (2018). Climate sensitivity and snow-based tourism in Africa: An investigation of TripAdvisor reviews on Afriski, Lesotho. *Proceedings of the Biennial Conference of the Society of South African Geographers, Bloemfontein* (1-5 October 2018), pp. 207-225.

Contribution: Co-conceptualised the research project and paper, co-supervised the student, assisted with data analysis, co-writing and editing of the manuscript.

1. Giddy, J.K., **Fitchett, J.M.** and Hoogendoorn, G. (2016). The influence of weather on South African tourism experiences: American perspectives. *Proceedings of the Centenary Conference of the Society of South African Geographers, Stellenbosch* (25-28 September 2016).

Contribution: Co-conceptualised the project and manuscript, assisted with data collection and analysis, co-writing and editing of the manuscript.

Book Reviews, Editorials, Commentaries and Response Papers

7. **Fitchett, J.M.** (2021). Science always makes a difference. *South African Journal of Science*, 117(11/12): 1-2.

Contribution: Solo-authored work

6. Rose, N.L., Milner, A.M., Fitchett, J.M., Langerman, K.E., Yang, H., Turner, S.D., Jourdan, A-L., Shilland, J., Martins, C.C., Câmara de Souza, A. and Curtis, C.J. (2020). Research Brief – A summary of the paper “Natural archives of long-range transported contamination at the remote lake Letšeng-la Letsie, Maloti Mountains, Lesotho. *Clean Air Journal*, 30(2), 1-2.

Contribution: Replotting of figures, co-writing and revising the manuscript.

5. ***Fitchett, J.M.** (2020). Book Review: Drought, an interdisciplinary perspective, Benjamin I Cook. *African Journal of Range and Forage Science*, 37(1): 137-138.

Contribution: Solo-authored work

4. ***Fitchett, J.M.** (2019). On defining droughts: response to ‘The ecology of a drought – workshop report. *South African Journal of Science*, 115(3/4), 25-27. (IF=1.2)

Contribution: Solo-authored work

3. ***Fitchett, J.M.** and Bamford, M.K. (2017). Research, discussion and debate in southern African Quaternary research in 2017. *Palaeontologia Africana*, 52: 3-5.

Contribution: Led the writing and revision of the manuscript, and analyses contained therein

2. ***Fitchett, J.M.**, Knight, J., Bamford, M.K., Cawthra, H., Esterhuysen, A., Quick, L.J. and Thackeray, J.F. (2017). Discussion on the Last Glacial Maximum in southern Africa. *Palaeontologia Africana*, 52, 6-7.

Contribution: Compiled the action research notes from the panel discussion, led the writing and revision of the manuscript

1. ***Fitchett, J.M.** (2016). A temporally constrained re-evaluation of temperature inferences from Boomplaas and isotope records from Cango Caves: Comment on Thackeray (2016). *South African Journal of Science*, 112 (7/8): 15-16. (IF=1.2)

Contribution: Solo-authored work.

Conferences and Symposiums

Panel Discussant

Mhlambi, I., Kluyts, M., Mokachane, M., Fitchett, J.M. Panel Discussion – Multilingualism as Creative Practise: Current and Future Possibilities. Chair: Meintjies, L. *The Transformative Power of Language: Language Policies in Higher Education*, 26 September 2019, Johannesburg, South Africa.

Oral Presentations

** indicates a keynote address*

Fitchett, J.M. (2022). Biometeorological directions in exploring climate change and health. Commonwealth Science Conference, Online and Accra, 14-16 March 2022.

*** Fitchett, J.M.** (2021). Perspectives on Biometeorological Research on the African Continent. Connecting our World: Biometeorology 2021, Online, 21-22 September 2021.

Fitchett, J.M. and Snyman, P. (2021). Phenological advance in Namaqualand Daisy bloom dates over the period 1940-2018. Biennial Conference of the Society of South African Geographers, Online, 6-8 September 2021.

Fitchett, J.M., Noome, K., Mushawemhuka, W., Jordan, C., Robinson, D. and Hoogendoorn, G. (2021). Quantifying climatic suitability for tourism in southern Africa. Biennial Conference of the Society of South African Geographers, Online, 6-8 September 2021

*** Fitchett, J.M.** (2021). Climate Change Threats to Tourism: Expanding Research in the Middle East and Africa. 2nd International Conference on Lut Desert and Tourism, Online, 29-30 April 2021.

Fitchett, J.M. and Knight, J. (2019). Exploring the climate of South Africa during the Extended LGM: lessons from proxy evidence. INQUA 2019, Dublin, Ireland, 25-31 July 2019.

Fitchett, J.M. and Mackay, A.W. (2019). Diatomite evidence for a southern African late Quaternary palaeolake at 3,400m.asl. INQUA 2019, Dublin, Ireland, 25-31 July 2019.

***Fitchett, J.M.** (2019). Intensification of Indian Ocean Tropical Cyclones: Interrogating the 2019 Tropical Cyclones Idai, Kenneth and Fani. SAGTA Annual National Conference, Pretoria, South Africa, 21-22 June 2019.

- Fitchett, J.M.** (2019). Changing Tropical Cyclone Patterns under Climate Change: Challenges for the Insurance Sector. ASSA ERM Conference, Sandton, South Africa, 4 September 2019.
- Fitchett, J.M.** and Hoogendoorn, G. (2018). Climatic Suitability for Tourism in Southern Africa: Tracking Sensitivity within the 'Ideal Climate' Zone. IGU African Studies Commission, Windhoek, Namibia, 5-9 May 2018.
- Hoogendoorn, G. Meintjies, D., Kelso, C. and **Fitchett, J.M.** (2018). Tourism incentives for rewilding: the conversion from cattle to game farms in Limpopo Province, South Africa. IGU African Studies Commission, Windhoek, Namibia, 5-9 May 2018.
- Friedrich, J., Stahl, J., **Fitchett, J.** and Hoogendoorn, G. (2018). Beach Tourism and Climate along South Africa's coastline: a socio-economic analysis. 5th International Conference on Climate, Tourism and Recreation, Umeå, Sweden, 25-27 June 2018.
- Fitchett, J.M.** (2018). Exploring precipitation seasonality in South Africa during the LGM: Lessons from proxy evidence. SheMax Workshop, Moreton Bay Research Station, Australia, 28-30 June 2018.
- Knight, J. and **Fitchett, J.M.** (2018). A first chronostratigraphic framework for the late Quaternary of Southern Africa. SheMax Workshop, Moreton Bay Research Station, Australia, 28-30 June 2018.
- Fitchett, J.M.** (2018). South Indian Ocean Tropical Cyclones over the past 50 years: Changes in Frequency, Position and Intensity. Biennial Conference of the Society of South African Geographers, Bloemfontein, South Africa, 1-5 October 2018.
- Stockigt, L., Hoogendoorn, G., **Fitchett, J.M.** and Saarinen, J. (2018). Climate sensitivity and snow-based tourism in Africa: An investigation of TripAdvisor reviews on Afriski, Lesotho. Biennial Conference of the Society of South African Geographers, Bloemfontein, South Africa, 1-5 October 2018.
- Roffe, S.J., **Fitchett, J.M.** and Curtis, C.J. (2018). Efforts at mapping rainfall seasonality across South Africa over the past Century. Biennial Conference of the Society of South African Geographers, Bloemfontein, South Africa, 1-5 October 2018.
- van der Walt, A., **Fitchett, J.M.**, and Curtis, C.J. (2018). Statistical classification of South African seasonal divisions on the basis of daily temperature data. Biennial Conference of the Society of South African Geographers, Bloemfontein, South Africa, 1-5 October 2018.
- Larson, D.F., Elabed, G., **Fitchett, J.** and Murray, S. (2018). The consequence of cyclone and seasonal crop risks for wealth and technology adoption in rural Mozambique. 85th International Atlantic International Conference, London, United Kingdom, 14-17 March 2018.

- Singh, M., **Fitchett, J.M.** and Bamford, M.K. (2017). A look into the past: A Holocene palaeoenvironmental reconstruction of the Okavango source wetlands in Angola. SASQUA 2017, Johannesburg, South Africa.
- Knight, J. and **Fitchett, J.M.** (2017). Re-evaluating the Last Glacial Maximum in southern Africa. SASQUA 2017, Johannesburg, South Africa.
- Fitchett, J.M.**, Bamford, M.K., Mackay, A.W. and Grab, S.W. (2017). Accidental science: fossil pollen evidence to dispute the classification of *Chrysocoma ciliata* as an invasive in the eastern Lesotho Highlands. SASQUA 2017, Johannesburg, South Africa.
- Hoogendoorn, G. and **Fitchett, J.M.** (2016). Tourism and climate change: threats and adaptations strategies for South Africa. Society of South African Geographers' Biennial Conference, Stellenbosch, South Africa.
- Fitchett, J.M.**, Bamford, M.K., Grab, S.W. and Mackay, A.W. (2016). Holocene palaeoenvironments in Eastern Lesotho: synoptic drivers of rainfall variability. Society of South African Geographers' Biennial Conference, Stellenbosch, South Africa.
- Giddy, J.K., **Fitchett, J.M.** and Hoogendoorn, G. (2016). American Tourists' Experiences with Weather in South Africa. Society of South African Geographers' Biennial Conference, Stellenbosch, South Africa.
- Fitchett, J.M.**, Grab, S.W., Bamford, M.K. and Mackay, A.W. (2015). Toward an improved Holocene palaeoenvironmental and palaeoclimatic reconstruction for eastern Lesotho. The African Quaternary Conference, Cape Town, South Africa.
- Fitchett, J.M.**, Grab, S.W., Thompson, D.I. and Roshan, G.R. (2014). Temporal responses of peak citrus flowering to climate change in Iran: 1960-2010. European Geophysical Union Conference, Vienna, Austria.
- Fitchett, J.M.**, Grab, S.W., Thompson, D.I. and Roshan, G. (2012). Phenological response of citrus flowering to climate variability and change in Iran: 1960-2010. Biennial Conference of the Society of South African Geographers, Cape Town, South Africa.
- Fitchett, J.M.**, Grab, S.W., and Thompson, D.I. (2012). Improved mango yields in a sub-tropical region: the impacts of range shifts in perennial agricultural crops under climate variability and change. Phenology 2012 International Conference, Milwaukee, USA.
- Fitchett, J.M.**, Grab, S.W. and Thompson, D.I. (2011). A study of the effects of climate, tree age and management practices on changes in mango yields. Annual Society of South African Geographers' Students Conference, Johannesburg, South Africa.

Poster Presentations

- Van der Walt, A. and **Fitchett, J.M.** (2021). Exploring extreme warm temperature trends in South Africa: 1960-2016. *Connecting our World: Biometeorology 2021*, Online, 21-22 September 2021.
- Fitchett, J.M.** (2021). Understanding Malaria Risk in a Changing Climate: Where seasons, malaria zones and perceptions are shifting. Commonwealth Science Conference. Virtual Symposium, 22-26 February 2021.
- Harley, C., Broadbent, A.B., Hudson, I. and **Fitchett, J.M.** (2020). Never wrong for long: Improving the “stability” of projections from models. WMO Conference on Climatological, Meteorological and Environmental Factors in the COVID-19 Pandemic. Virtual Symposium, 4-6 August 2020.
- Fitchett, J.M.**, Smit, A.J. and Sweijd, N. (2020). Early research on COVID19 and climate: A bibliometric analysis. WMO Conference on Climatological, Meteorological and Environmental Factors in the COVID-19 Pandemic. Virtual Symposium, 4-6 August 2020.
- Knight, J. and **Fitchett, J.M.** (2019). Developing a chronostratigraphic framework for the Quaternary of southern Africa. INQUA 2019, Dublin, Ireland, 25-31 July 2019.
- Herbert, A.V. and **Fitchett, J.M.** (2019). Examining the use of a fossil pollen ratio on the Australian Last Glacial Maximum (LGM) record to determine rainfall seasonality. INQUA 2019, Dublin, Ireland, 25-31 July 2019.
- Fitchett, J.M.** and Fani, H.A. (2018). Advance in Jacaranda blossom phenology in the South African Highveld Interior. Biennial Conference of the Society of South African Geographers, Bloemfontein, South Africa, 1-5 October 2018.
- Pillay, M. and **Fitchett, J.M.** (2018). An analysis of occurrences of tropical cyclone landfall south of the Tropic of Capricorn. Biennial Conference of the Society of South African Geographers, Bloemfontein, South Africa, 1-5 October 2018.
- Knight, J. and **Fitchett, J.** (2017). Developing a chronostratigraphic framework for the Quaternary of southern Africa. PAGES CCA2017, Morocco, November 2017
- Combrink, M., **Fitchett, J.M.**, Bamford, M.K. and Botha, G. (2017). Late-Quaternary pollen inferred environments of Ntsikeni Wetland, Kwa-Zulu Natal, South Africa. SASQUA 2017, Johannesburg, South Africa.
- Fitchett, J.M.** and Grab, S.W. (2015). Changes in south-east African tropical cyclone landfall frequency over the past 161 years. The African Quaternary Conference, Cape Town, South Africa.

Media Coverage and Science Communication

POPULAR ARTICLES AND SCIENCE COMMUNICATION

25 March 2022, *Quest (vol 18, no 1, pp. 9-11)*: Jennifer Fitchett and Adriaan van der Walt; Research in Africa to tackle the climate crisis.

13 January 2022, *The Conversation Africa*: Jennifer Fitchett; Southern Africa's Namaqualand daisies are flowering earlier: why it's a red flag.

6 December 2021, *The Conversation Africa*: Jennifer Fitchett; Are you interested in the weather and its impact on nature? Here's a career for you.

11 November 2021, *The Conversation Africa*: Jennifer Fitchett; Curious Kids: Why does cold air go down and hot air go up?

25 October 2021, *The Conversation Africa*: Jennifer Fitchett; Climate change has already hit southern Africa. Here's how we know.

5 July 2021, *The Conversation Africa*: Jennifer Fitchett; Jacarandas in parts of South Africa are flowering earlier: why it's a warning sign.

14 October 2020, *The Conversation Africa*: Jennifer Fitchett; Climate research is critical in Africa: how to make it more visible.

13 October 2020, *The Conversation Africa*: Sarah Roffe, Jennifer Fitchett; Changes in South Africa's rainfall seasons could affect farming and water resources.

9 June 2020, *The Conversation Africa*: Annika Herbert, Jennifer Fitchett; Learning from South Africa: reconstructing rainfall seasonality in Australia.

7 May 2020, *The Conversation Africa*: Bob Scholes, Albertus J Smit, Francois Alwyn Engelbrecht, Guy Franklin Midgley, Jennifer Fitchett, Neville Sweijd, Pedro Monteiro, Pravesh Debba; Choices in a fog of uncertainty: lessons for coronavirus from climate change.

13 February 2020, *The Conversation Africa*: Jennifer Fitchett; Kenya is experiencing strange weather. What's behind it?

31 October 2019, *The Conversation Africa*: Micheal Pillay, Jennifer Fitchett; Tropical Cyclones in the Southwest Indian Ocean: New Insights.

24 September 2019, *The Conversation Africa*: Jennifer Fitchett; Explainer: Why phenology is key in tracking climate change.

30 July 2019, *The Conversation Africa*: Jennifer Fitchett and Stefan Grab; We tracked South Africa's sardine run over 66 years: Here's what we found

8 May 2019, *The Conversation Africa*: Jennifer Fitchett; Why the Indian Ocean is spawning strong and deadly tropical cyclones

22 March 2019, *The Conversation France*: Jennifer Fitchett; Idai Cyclone Sans Fronteirs

20 March 2019, *The Conversation Africa*: Jennifer Fitchett; Tropical Cyclone Idai: The Storm that Knew no Boundaries

5 February 2019, *The Conversation Africa*: Jennifer Fitchett, Chris Curtis and Sarah Roffe; Scientists split on the South Africa's Winter and Summer Rainfall Zones.

28 January 2019, *The Conversation France*: Jennifer Fitchett; Neige et changement climatique: connaissez-vous la différence entre météo et climat.

22 January 2019, *The Conversation Africa*: Jennifer Fitchett; 'Weather' and 'Climate' are used interchangeably. They shouldn't be.

27 November 2018, *The Conversation Africa*: Jennifer Fitchett; Southern Africa must brace itself for more tropical cyclones in future.

4 October 2018, *The Conversation Africa*: Jennifer Fitchett and Gijsbert Hoogendoorn; Does Sunny South Africa Really Have an Ideal Climate for Tourism.

TELEVISION INTERVIEWS

16 April 2022, BBC Weather Watch: Tropical Cyclones

21 January 2022, ENCA: Namaqualand Daisies

13 May 2019, GrootPlaas: Tropical Cyclones

11 December 2018, eNCA Morning News: Tropical Cyclones

April 2018, Craze-e children's show interview on careers in climatology

31 August 2017, YoTv: Climatology

RADIO INTERVIEWS AND PODCASTS

19 January 2021, Cape Talk: Namaqualand daisies

18 January 2021, Smile FM: Namaqualand daisies

17 January 2021, SAFM: Namaqualand daisies

27 October 2021, Radio702: Climate Change Masterclass

27 October 2021, Madibaz Radio (SAASTA): Climate change threats to SA

12 July 2021, SAFM: Jacaranda Phenology

6 July 2021, Radio702: Jacaranda Phenology

25 March 2021, Pasha: Talking about malaria risk zones and climate changes in South Africa

18 March 2021, Pasha: Two researchers unpack extreme temperatures in South Africa

23 October 2020, Radio786: Biometeorology and Climate Change Research

17 January 2020, BBC: Climate change and droughts in Africa

1 August 2019, Radio702: Sardine run phenology

12 June 2019, Pasha: Tropical cyclones are on the rise in Southern Africa.

2 June 2019, SAFM: Tropical Cyclones in South Indian Ocean

26 March 2019, On Point (USA): Tropical Cyclone Idai

22 March 2019, Wharton Radio (USA): Tropical Cyclones

21 March 2019, Cape Talk: Tropical Cyclone Idai

5 March 2019, BBC: South Indian Ocean Tropical Cyclones

10 December 2018, BBC: Category 5 Tropical Cyclones

5 December 2018, Radio 702: Category 5 Tropical Cyclones

29 November 2018, SAFM: Category 5 Tropical Cyclones

NEWSPAPER COVERAGE

07 September 2021, *Daily Maverick*: Shaun Smilie; The hand of extreme climate change tightens its grip on South African Tourism.

02 August 2021, *Daily Maverick*: Julia Evans; How Pretoria and Joburg's Jacarandas are blooming earlier due to global heating

28 July 2021, *Mail & Guardian*: Sheree Bega; Gauteng's Jacarandas are flowering earlier because of climate change.

20 October 2020, *Pretoria News*: Chelsea Ntuli; Last day of heatwave as temperatures reach a high of 37°C.

30 September 2020, *Business Insider*: Sarah Wild; SA's summer lasts for six months, say researchers – and starts earlier in Joburg than Cape Town.

31 July 2019, *Natal Mercury*: Tony Carnie; What's happened to the KZN sardine run? The answer is worrying.

30 July 2019, *Netwerk24*: Elise Tempelhoff; Sardyne loop laat.

30 April 2019, *The New Scientist*: Michael Le Page; Extreme flooding leads to deaths in Indonesia and Mozambique.

26 March 2019, *Nature News*: Matthew Warren; Why Cyclone Idai is one of the Southern Hemisphere's most devastating storms.

20 March 2019, *BBC News*: Matt McGrath; Cyclone Idai: What's the role of climate change?

16 March 2019, *Bloomberg News*: Matthew Hill and Borges Nhamire; Worst Hurricane in Decade Kills Dozens in Southern Africa.

29 November 2018, *City Press*: Duncan Alfreds; Govt. should urgently plan for massive cyclone storm damage in SA – Wits researcher

29 November 2018, *Times Select*: Tania Farber; It's not a wind up: more cyclones will hit southern Africa.

28 November 2018, *Daily Maverick*: Tony Carnie; Category 5 tropical cyclones may be headed for SA shores, Wits climate change researcher warns.

SCIENCE COMMUNITY COVERAGE

NRF Science Matters, 2019, Vol. 2. Issue 2. Too Much Sun and Not Enough Fun. pp. 4-7.

NRF Science Matters, 2019, Vol. 2. Issue 2. The rise of severe cyclones in the South Indian Ocean. p. 16

NSTF Message from the Executive Director, 2019. Idai – a cruel and costly lesson.

Carbon Calculated, 2018. Accommodation for visitors to Cape Town – Are changes being driven by environmentally conscious travelers?

Teaching Portfolio

- 2022: University of the Witwatersrand, GEOG1000A/1003A – Geography I: Environmental Change (25%)
University of the Witwatersrand, GAES3003A – Human Biometeorology (100%)
University of the Witwatersrand, GEOG3021A – Advanced Atmospheric Science (5%)
University of the Witwatersrand, GEOG4028A – Honours Research Project (5%)
- 2021: University of the Witwatersrand, GEOG1000A/1003A – Geography I: Environmental Change (25%)
University of the Witwatersrand, GEOG3021A – Advanced Atmospheric Science (5%)
University of the Witwatersrand, GEOG40444A – Global Atmospheric Change IV (100%)
University of the Witwatersrand, GEOG4038A – Geography Research Project IV (25%)
- 2020: University of the Witwatersrand, GEOG1000A/1003A – Geography I: Environmental Change (25%)
University of the Witwatersrand, GEOG40444A – Global Atmospheric Change IV (100%)
University of the Witwatersrand, GEOG4038A – Geography Research Project IV (seminars)
- 2019: University of the Witwatersrand, GEOG1000A/1003A – Geography I: Environmental Change (25%)
University of the Witwatersrand, GEOG40444A – Global Atmospheric Change IV (100%)
University of the Witwatersrand, GEOG4032A – Advanced Geographic Research Methods IV (10%)
University of the Witwatersrand, GEOG4038A – Geography Research Project IV (seminars)
University of the Witwatersrand, GEOG3020A – Climate and Environmental Change III (10%)
- 2018: University of the Witwatersrand, GEOG1000A/1003A – Geography 1 Environmental Change (25%)
University of the Witwatersrand, GEOG2010A – Earth and Atmospheric Systems (10%)
University of the Witwatersrand, GEOG3021A – Advanced Atmospheric Science (100%)
University of the Witwatersrand, GEOG4040A – Chemistry in the Global Atmosphere IV (100%)
University of the Witwatersrand, GEOG4032A – Advanced Geographic Research Methods (50%)
- 2017: University of the Witwatersrand, GEOG1000A/1003A – Geography 1 Environmental Change (25%)
University of the Witwatersrand, GEOG3021A – Advanced Atmospheric Science (100%)
University of the Witwatersrand, GEOG4040A – Chemistry in the Global Atmosphere IV (100%)
University of the Witwatersrand, GEOG4042A – Synoptic Climatology and Air Pollution (20%)
University of the Witwatersrand, GEOG4032A – Advanced Geographic Research Methods (10%)
University of the Witwatersrand, PALP4012A – Statistics and Morphometrics (50%)
- 2016: University of the Witwatersrand, GEOG1000A/1003A – Geography 1 Climatology (25%)
University of the Witwatersrand, GEOG2014A – Geography 2 Conservation Biogeography (100%)
University of the Witwatersrand, GEOG3021A – Advanced Atmospheric Science (10%)
University of the Witwatersrand, GEOG3020A – Climate and Environmental Change (10%)
University of the Witwatersrand, GEOG4042A – Synoptic Climatology and Air Pollution (20%)
University of Johannesburg, GGR0047 – Honours Geomorphology (100%)
- 2015: University of the Witwatersrand, GEOG3021A – Advanced Atmospheric Science (10%)
University of the Witwatersrand, GEOG3020A – Climate and Environmental Change (20%)

2014: University of the Witwatersrand, GEOG3021A – Advanced Atmospheric Science (10%)
University of the Witwatersrand, GEOG3020A – Climate and Environmental Change (20%)

Supervision

To date I have hosted one postdoctoral fellow, and have graduated three PhD students, 18 research masters students, one masters by coursework and research report, and 27 Honours students.

I am currently supervising 6 PhD students, 10 masters by research, and 4 masters by coursework and research report.

Postdoctoral Fellows Hosted

2019-2020:

Dr Annika Herbert. DST-NRF Centre of Excellence for Palaeoscience Postdoctoral Fellowship to investigate palaeoclimatic shifts in rainfall seasonality across the southern Hemisphere.

Graduated Students

* denotes qualification with distinction, bold face indicates full research degree.

PhD Students

2021: **Adriaan van der Walt**, PhD Geography (Wits): An analysis of extreme temperature events in South Africa: 1960-2015. (80% supervision, co-supervised with Prof C Curtis)

2021: **William Mushawemhuka**, PhD (UJ): A first comprehensive assessment of climate change threats to nature based tourism in Zimbabwe (50% supervision, co-supervised with Prof G Hoogendoorn)

2019: **Sarah Roffe**, PhD (Wits): A statistical analysis of rainfall seasonality across South Africa. (80% supervision, co-supervised with Prof C Curtis).

MSc (Research)

2022: ***Kayla Mac Connachie**, MSc Geography (Wits): A proxy rainfall record for the Namib Desert using $\delta^{13}\text{C}$ analysis on *Acacia erioloba* rings. (30% supervision, co-supervised with Prof S Woodborne).

2022: ***Annabel Fenton**, MA Geography (Wits): Grounding “Locations in the Sky”: An analysis of domestic work and Post-Apartheid urban living in the apartment blocks of Northern Johannesburg (50% supervision, cosupervised by Dr R Ballard).

- 2022: **Kestrel Raik**, MSc Geography (Wits): Tracking pollution deposition from coal-fired power stations in South Africa over the past 150 years using diatoms as a proxy (50% supervision, cosupervised by Prof C Curtis)
- 2022: **Mazozo Mahlangu**, MSc Geography (Wits): Events-based small-town tourism: Exploring the Chrissiesmeer tourism sector under environmental and climate challenges (100% supervision) 2020-2022
- 2021: ***Sinxolo Magaya**, MSc Geography (Wits): Indigenous knowledge systems cues essential in agricultural management and tracking seasonality in KwaZulu-Natal and Eastern Cape, South Africa.
- 2021: **Lungile Ncube**, MSc Geography (Wits): A diatom-based palaeoclimatic reconstruction for the border of Leribe-Mokhotlong-Butha-Buthe, Eastern Lesotho Highlands (70% supervision, co-supervised with Prof C Curtis)
- 2021: **Ian Steyn**, MSc Geography (Wits): An analysis of extreme temperature events for Namibia. (50% supervision, cosupervised by Dr A van der Walt)
- 2020: **Pascal Snyman**, MSc Geography (Wits): Interrogating tourism records to reconstruct and analyse phenological shifts in Namaqualand Daisies. (100% supervision).
- 2020: **Fazlin McPherson**, MSc Geography (Wits): Climate change and heritage tourism: threats to Makgabeng in a regional context, Limpopo South Africa (50% supervision, co-supervised with Dr C Namono)
- 2020: **Kirsten Noome**, MSc Geography (Wits): An assessment of the climatic suitability of Namibia for tourism using the Tourism Climatic Index (TCI). (100% supervision).
- 2019: **Jesse Spratt**, MSc Geography (Wits): A palaeolimnological determination of a regional industrial signal in the sediments of Mpumalanga Highveld pans. (50% supervision, co-supervised with Prof C Curtis)
- 2019: **Gabriella Duncan**, MSc (Wits): Modelling the impact of land cover and forestry change on the hydrological characteristics of the Two Streams subcatchment, Natal Midlands. (10% supervision, co-supervised with Profs C Curtis and T Hill)
- 2019: **Lara Stockigt**, MSc (UJ): Climate Change threats to snow tourism at Afriski. (50% supervision, co-supervised with Prof G Hoogendoorn)
- 2019: *** Ariel Prinsloo**, MSc (Wits): Water consumption in the sharing economy: Airbnb during the drought in Cape Town. (50% supervision, co-supervised with Dr S Butcher)
- 2019: **Meriska Singh**, MSc (Wits): Attempting palaeoenvironmental reconstructions in war-torn zones: the case of the Okavango Source Wetlands in Angola. (100% final supervision, with initial input from Prof M Bamford)
- 2019: *** Micheal Pillay**, MSc (Wits): A southern Hemisphere tropical cyclone climatology: Analysis of variability under a changing climate. (100% supervision)

- 2019: **Su-Marie van Tonder**, MA (UJ): The role of climatic factors in determining tourist satisfaction: the case of five Indian Ocean islands (50% supervision, co-supervised with Prof G Hoogendoorn)
- 2017: **Maria Combrink**, MSc (Wits): The Quaternary pollen of Ntsikeni Wetland, KwaZulu-Natal, South Africa. (50% supervision, co-supervised with Prof M Bamford).
- 2016: **Dean Robinson**, MSc (Wits): Exploring the value of tourism climate indices for 18 locations in South Africa. (40% supervision, co-supervised with Prof G Hoogendoorn and Dr R Moolla)
- 2015: **Bronwyn Grant**, MSc (Wits): Investigating tourism and climate change: the case of St Francis Bay and Cape St Francis. (50% supervision, co-supervised with Prof G Hoogendoorn)

MSc (Coursework and Research Report)

- 2022: Maitshoko Tumane, MSc CWRR GIS and RS (Wits): Using spatial interpolation methods to map out climate extremes over the past 30 years: A Case Study of the Batswana Community (50% supervision, cosupervised by Prof A Esterhuysen and Dr A van der Walt).
- 2021: Subhashinidevi Pillay, MA eScience Research Report (Wits): Chatter About the Clouds of White: Using Social Media to Track the Annual Migration of *Belenois aurota* (50% supervision, co-supervised by Dr H Robertson)
- 2019: * Jannik Stahl, MSc (Georg-August-Universität, Germany): Climate change threats to beach tourism in South Africa (40% supervision, co-supervised with Profs G Hoogendoorn and M Kappas)
- 2019: * Jonathan Friedrich, MSc (Georg-August-Universität, Germany): Climate change threats to beach tourism in South Africa (40% supervision, co-supervised with Profs G Hoogendoorn and M Kappas)

BA and BSc Geography Honours

- 2022: Charné Jordan, BScHons Project (Wits): Determining the suitability of the Camping Climate Index (CCI) for South Africa (100% supervision)
- 2022: Phumzile Phakathi, BScHons Project (Wits): Exploring changes in the speed of movement of tropical cyclones in the Southwest Indian Ocean from 1970 to 2020 (100% supervision)
- 2021: Antonia Pandazis, BScHons Project (Wits): Exploring temporal variation in the Brown-Veined White Butterfly migration phenology within South Africa over the past century (100% supervision)
- 2021: Keegan Fraser, BAHons Project (Wits): Fake news and instant access: An analysis of the accuracy of reporting on Cyclone Idai (100% supervision).

- 2021: Buhle Canga BScHons Project (Wits): An analysis of tropical cyclone passage through the Southwest Indian Ocean Islands over the period 1850-2018. (100% supervision)
- 2021: Devania Govender, BScHons Project (Wits): Exploring climatic threats to adventure tourism in South Africa through TripAdvisor reviews (50% supervision, cosupervised with Dr J Giddy).
- 2020: Kestrel Raik, BScHons Geography (Wits): Climate change impacts on Jacaranda Blossom Phenology in the Gauteng Province, South Africa over the past century (100% supervision).
- 2020: Deryn-Anne Swatton, BScHons Geography (Wits): Perceptions of malaria risk: Citizen mapping of the contemporary and future malaria zone boundaries in southern Africa. (100% supervision).
- 2020: Maitshoko Tumane, BScHons Geography (Wits): Understanding the effects of tropical cyclones on the tourism of the South West Indian Ocean Islands (100% supervision).
- 2020: *Tamzyn Smith, BScHons Geography (Wits): Impacts of the 2015-2017 drought on Nature-Based Tourism in the Lowveld of South Africa: The case of the Sabi Sands Wildtuin. (100% supervision).
- 2020: Danielle van der Byl, BScHons Geography, Archaeology and Environmental Studies (Wits): Tourism trends: Cultural and environmental sustainability in the Makgabeng, Limpopo Province, South Africa (30% supervision, co-supervised with Dr C Namono)
- 2020: Dineo Magolego, BScHons Geography (Wits): The effect of lake water level decline on thermal stratification at Lake Sibaya (30% supervision, co-supervised with Prof C Curtis)
- 2020: Brenton Faulds, BScHons Geography (Wits): The impacts of Effective Microorganisms (EM) technology on the water quality in a pilot study at Aspen Hills Nature Reserve (30% supervision, co-supervised with Prof C Curtis)
- 2019: *Emihle Mafanya, BScHons Project (Wits): An inter-basin comparison of Category Five (H5) tropical cyclones. (100% supervision)
- 2019: *Mazozo Mahlangu, BScHons Project (Wits): Climate change threats to a Floral Wedding. Threats of Shifting Phenology to the emerging South African wedding industry. (100% supervision)
- 2019: *Kirsten Noome, BScHons Project (Wits): An assessment of the climatic suitability of Afriski Mountain Resort for snow tourism using the TCI. (100% supervision)
- 2019: *Annabel Fenton, BAHons Project (Wits): Youth mobility in a Post-Apartheid City: An analysis of the use of Uber by students in Johannesburg, South Africa (50% supervision, co-supervised with Dr A Wafer)
- 2019: *Lungile Ncube, BScHons Project (Wits): Exploring spatial variability in the rivers and streams of the southwestern Cape through diatom analysis (50% supervision, co-supervised with Prof C Curtis)

- 2018: *Micheal Pillay, BScHons Project (Wits): Tropical cyclones South of the Tropic of Capricorn (100% supervision)
- 2018: Laylaa Suliman, BAHons Project (Wits): Greenwashing in the Ecotourism Sector: The case of luxury ecolodges in South Africa and Botswana. (100% supervision)
- 2018: Nnamdi Ekwelibe, BScHons Project (Wits): Waste management practices in tourist accommodation establishments in South Africa. (100% supervision).
- 2018: Heritage Fani, BScHons Project (Wits): A critical examination of possible sources of Jacaranda blossom phenological data for Pretoria. (100% supervision)
- 2018: * Tarisha Harduth, BScHons Project (Wits): The Quantification of Climatic Deviations across South Africa during El Niño and La Niña years. (100% supervision)
- 2018: Michael Ryan, BScHons Project (Wits): The discrimination of geomorphologically different tarns using isotopic signatures in the Sehlabathebe National Park in Lesotho. (50% supervision, co-supervised with Prof C Curtis)
- 2016: Kyle Le Roux, BScHons Project (Wits): Analysis in variability of summer rainfall for Gauteng from 1985 to 2015. (50% supervision, co-supervised with Dr R Moolla)
- 2016: Eva Baasch, BScHons Project (Wits): Alpine exfoliation pan surface wind speed and direction in Lesotho, South Africa. (20% supervision, co-supervised with Dr R Moolla and Prof S Grab).
- 2015: Phariso Nelwamondo, BScHons Project (Wits): Sedimentary sequences of Sani Top: Implication of Holocene Climate and Environment (50% supervision. co-supervised with Prof S Grab)
- 2015: Dean Robinson, BScHons Project (Wits): Climate and Macadamia Nut Yields in the Louis Trichardt Region of South Africa: 1988-2013. (50% supervision, co-supervised with Prof S Grab)
- 2014: Bronwyn Grant, BAHons Project (Wits): The Effects of Greening of Guesthouses: A perspective from Gauteng and KwaZulu-Natal. (30% supervision, co-supervised with Prof G Hoogendoorn)

Currently registered Students

PhD

Mauro Lourenco, PhD Geography (Wits): Reconstruction of carbon sequestration in the peatlands of the Angolan Highlands (50% supervision, cosupervisor Prof S Woodborne). *2020-present.*

Ogone Motlogeloa, PhD Geography (Wits): Assessing the inter-annual and inter-seasonal climate-induced variation in respiratory diseases (50% supervision, cosupervised by Dr J Botai and Dr N Sweijd) *2021-present*

Dineo Mokgele, PhD Geography (Wits): Examining the climate sensitivity of tourists in South Africa using TripAdvisor: A big data approach through webscraping (100% supervision), *2021-present*.

Chloe Francomme, PhD (Reunion Island, Wits): Circular economy in the Small Island States: A potential solution to their vulnerabilities? The Case of Reunion Island. (50% supervision, cosupervised by Prof J-F Hoarau and Prof P Valéau), *2021-present*

Nduduzo Ngonxa, PhD Geography (Wits): Climate Change Risk and Adaptation Strategies among Tourism Operators in eThekweni, South Africa. (100% supervision), *2022-present*.

Ariel Prinsloo, PhD (Geography (Wits): Evaluating the climatic suitability of Reunion Island for tourism, using a suite of biometeorological tourism climate indices (100% supervision), *2022-present*.

MSc (Research)

Megan Welff, MSc Geography (Wits): Analysing past climate trends across Botswana and South Africa over the past 300 years and the effects on the movement of people (50% supervision, cosupervised by Prof A Esterhuysen). *2020-present*

Keegan Fraser, MSc Geography (Wits): The development of a liveability index for Johannesburg and Pretoria to inform insurance practises (100% supervision) *2021-present*

Tamzyn Smith, MSc Geography (Wits): Applying the CVIT to tourism in South Africa (100% supervision) *2021-present*

Daniella Kristensen, MSc Geography (Wits): Holiday Climate Index: Applicability and Suitability in the South African Context (100% supervision), *2022-present*.

Rohini Reddy, MSc Geography (Wits): Exploring Jacaranda Phenology using Remote Sensing: The case of the Gauteng City Region, South Africa. (50% supervision, cosupervised by Prof E Adam), *2022-present*.

Charne Jordan, MSc Geography (Wits): Exploring the extreme climate and health nexus in South African Policy: The case of eThekweni. (50% supervision, cosupervised by Dr C Wright), *2022-Present*.

Mukhtaar Waja, MSc Geography (Wits): Exploring perceived relationships between weather, climate and mental health: From the perspective of healthcare practitioners. (100% supervision), *2022-present*.

Aaliyah Mohamed, MSc Geography (Wits): The influence of climate change on the speed of movement of tropical cyclones in the South Indian Ocean. (100% supervision), *2022-present*.

Phumzile Phakathi, MSc Geography (Wits): Exploring the coverage and accuracy of high school Geography curricula on tropical cyclone climatology. (50% supervision, cosupervised by Dr C van der Merwe), *2022-present*.

MSc (Coursework and Research Report)

2022: Lindelani Mbulaheni, MSc Environmental Science Research Report (Wits): Assessment of water quality status of the Woestalleen wetland before and after rehabilitation. (50% supervision, cosupervised with Prof C Curtis), *2019-present*

Thabisile Ntleko, MSc Environmental Science Research Report (Wits): Trends in extreme rainfall events over KwaZulu-Natal (100% supervision) *2020-present*

Unathi Dada, MSc Research Report (Wits): The use of indigenous knowledge systems to predict extreme weather events and take precautions: exploring the case of tropical cyclone Eloise (100% supervision) *2021-present*

BA and BSc Geography Honours

Paul Greyling, BSc Hons Project (Wits): The margin of error in human perception of temperature and humidity (100% supervision), *2022-present*.

Zandizoloyiso Mnguni, BSc Hons Project (Wits): Calculating the Climate Camping Index for Destinations in South Africa (100% supervision), *2022-present*.

Tisetso Mothibi, BSc Hons Project (Wits): Assessing the role of climate in planning a vacation: The case of post-COVID-19 lockdown travel. (100% supervision), *2022-present*.

Postgraduate Examination

2022: Yakhuluntu Dubazana, University of Cape Town, MSc

2022: Cherie Forbes, University of Cape Town, PhD

2019: Tumelo Mhlomi, University of the Free State, MSc

2019: Jessica Picas, University of the Witwatersrand, PhD

2018: Vukosi Ndlopfu, University of Johannesburg, MSc

2016: Shuvai Mharakurwa, University of the Witwatersrand, MSc

Academic Awards and Scholarships

2022: Winner of the University of the Witwatersrand Friedel Sellschop Award for Young Researchers

2019: Finalist for the South African National Science and Technology Foundation TW Kambule Emerging Researchers Award

2018: University of the Witwatersrand Nominee for the Women in Science Awards

2017: Society of South African Geographers Centennial Award for Emerging Career Researchers
Nominee for the South African National Science and Technology Foundation TW Kambule Emerging Researchers Award

Finalist for the South African National Science and Technology Foundation Special Theme Award for Sustainable Tourism

2016: University of the Witwatersrand Science Faculty Prize for top two dissertations in the School of Geography, Archaeology and Environmental Studies

2015: University of the Witwatersrand female nominee for the NRF Future Generation Researcher Award.

2014: University of the Witwatersrand Science Faculty Prize for top two dissertations in the School of Geography, Archaeology and Environmental Studies

2012: University of the Witwatersrand Science Faculty Stanley Jackson Medal for Top Geography Honours Student 2011

2010: UCT Science Faculty Scholarship
UCT Science Faculty Dean's Merit List

2009: UCT Science Faculty Dean's Merit List

2008: UCT Science Entrance Scholarship

Successful Grant Applications

2022: Wits URC Friedel Sellschop grant (R145,000 p/a for 3 years).

2021: DSI-NRF Centre of Excellence for Palaeoscience Operational Support Grant (R5 000)
NRF ESSRP Grant (R4 950 000)

2020: WITS-UCL Strategic Partnership Seed Grant (R100,000)

2020: DSI-NRF Centre of Excellence for Palaeoscience Operational Support Grant (R90 000)

2019: Mellon Foundation Digital Humanities Grant (R500,000)
DST/NRF Centre of Excellence for Palaeoscience Operational Support Grant (R73 000)

2018: National Geographic Exploration Grant (US\$14 885.00)

2017: DST/NRF Centre of Excellence for Palaeoscience Operational Support Grant (R50 000)

2016: DST/NRF Centre of Excellence for Palaeoscience Postdoctoral Fellowship Grant (R230 000)

2015: NRF Innovation Scholarship for PhD Study (R100 000) – renewal
DST/NRF Centre of Excellence for Palaeosciences Analytical Costs Grant (principal applicant: Stefan Grab; R64 000)

2014: NRF Innovation Scholarship for PhD Study (R100 000) – renewal
Oppenheimer Memorial Trust grant for overseas study (R140 000)
DST/NRF Centre of Excellence for Palaeosciences Fieldwork Grant (principal applicant: Stefan Grab; R52 000)

2013: NRF Innovation Scholarship for PhD Study (R100 000)

2012: NRF Scarce Skills Scholarship for Masters Study (R60 000)

USA/NPN Conference Travel Grant (US\$1000)

2011: NRF Freestanding Scholarship for Honours-level study (R30 000 – not claimed)

Academic Citizenship

Associate Editor: Earth and Environment: *South African Journal of Science* (April 2021-March 2023)

Member of the Editorial Board: *International Journal of Biometeorology* (January 2018- present)

Member of the Editorial Advisory Board: *Environment and Planning F* (April 2021-present)

Guest Editor: *Palaeontologia africana* volume 52 (2017)

Guest Editor: *South African Journal of Geology* volume 124(4) (2021)

Council member of the Society of South African Geographers (2018-present)

President-elect of the Society of South African Geographers (2020-2022)

President of the Society of South African Geographers (2022-2024)

African Councilor on the Executive Board of the International Society of Biometeorology (2020-2023)

Editor of the SAYAS Blog (2021-present)

Member of the Letten Prize Committee (2021)

Member of the South African Quaternary Association

Member of the International Society of Biometeorology

Member of the Society of South African Geographers

Member of the South African Young Academy of Science

Organising committee of the Online International Congress of Biometeorology (2021)

Co-convenor of the Jubilee Students Conference of the Society of South African Geographers (2019)

Facilitator: DST-NRF Centre of Excellence for Palaeosciences Publication Mentorship Workshops (2018)

Co-convenor of the Biennial Conference of the South African Quaternary Association (2017)

Coordinator: University of the Witwatersrand Geography Honours Programme (2018-2021)

Coordinator of the Geography I Writing Intensive Programme (2020-present)

Chair: University Faculty of Science Honours Committee (2018)

Facilitator: Faculty of Science Webpage overhaul (2018-2019)

Invited member: Wits Students at Risk Committee (2019)

School representative: Wits Faculty of Science Knowledge Resources Committee (2021-present)

Faculty representative: Co-curricular Transcript Committee (2022-present)

Peer-Review for Accredited Journals

2022: Advances in Civil Engineering

African Geographical Review

Journal of Sustainable Tourism

Science of the Total Environment

International Journal of Biometeorology (3)

South African Journal of Science

Journal of Thermal Biology

Urban Climate

PlosOne

Water SA

2021: International Journal of Climatology

Frontiers in Climate

PlosOne

South African Journal of Science

Tourism Geographies

Journal for Transdisciplinary Research in South Africa

Environmental Science and Policy

Tourism and Destination Marketing

Tourism Geographies

Tourism, Planning and Development

Journal of Sustainable Tourism

Environmental Disease

African Geographical Review

Science of the Total Environment

Urban Climate

Tourism Management Perspectives

International Journal of Biometeorology (2)

Theoretical and Applied Climatology

2020: Atmosphere

The Holocene

Development Southern Africa

Climatic Change
 African Geographical Review
 Natural Hazards
 Journal of Thermal Biology
 Transactions of the Royal Society of South Africa
 Journal of Sustainable Tourism
 Theoretical and Applied Climatology (3)
 Boreas
 SN Applied Sciences
 Tourism, Planning and Development
 South African Journal of Science (2)
 Journal of Destination Management and Marketing (2)
 International Journal of Biometeorology
 Bulletin of Geography: Socio-Economic Series
 African Journal of Tourism, Hospitality and Leisure (2)
 International Journal of Environmental Research and Public Health
 Science of the Total Environment (2)
 Tourism Review International
 Society and Natural Resources
 One Health (2)
 Journal of Climate
 2019: South African Archaeological Bulletin
 Boreas
 Journal of Arid Environments
 African Journal of Range and Forage Science
 South African Journal of Science
 Environmental Communication
 Agricultural and Forest Meteorology
 International Journal of Biometeorology
 Journal of Ecotourism
 Tourism, Planning and Development
 Transactions of the Royal Society of South Africa
 International Journal of Biometeorology
 2018: Tourism Geographies
 South African Geographical Journal (2)
 Science of the Total Environment
 Bulletin of Geography: Socio-Economic Series
 Journal of Sustainable Tourism (x2)

Agricultural and Forest Meteorology
 Global Sustainability
 Current Issues in Tourism
 Tourism, Planning and Development (3)
 Journal of Tropical Ecology
 Journal of Ecotourism
 International Journal of Biometeorology
 EuroEconomica
 Weather, Climate and Society

2017: Palaeontologia Africana
 International Journal of Remote Sensing
 Theoretical and Applied Climatology
 Bulletin of Geography: Socio-Economic Series
 Science of the Total Environment
 Environmental Development and Sustainability
 GeoJournal
 Urban Forum

2016: Bulletin of Geography: Socio-economic series
 International Journal of Remote Sensing (2)
 Theoretical and Applied Climatology
 International Journal of Climate Change Strategies and Management
 Climate Risk Management
 Development Southern Africa
 Tourism: An International Interdisciplinary Journal
 Agricultural and Forest Meteorology
 Tourism Review International
 Environmental Systems Research

2015: Development Southern Africa

Peer review for Knight & Rogerson (2019) Geography of South Africa.
 Peer review for Leonard & Ebhuoma (2021) Indigenous Knowledge Systems and Climate Governance: Perspectives from Sub-Saharan Africa.
 Peer review for Knight, Merlo and Zerboni (2021) Landscapes and Landforms of the Central Sahara.
 Peer review for the conference proceedings of the SSAG 2018 conference

Grant Reviews

2022: NRF Rating review (anonymous)

2021: Letten Prize Reviews

2021: NRF Rating Review (anonymous, 2 reviews)

2020: NRF Rating Review (anonymous)

2019: NRF Rating Review (anonymous)

2018: Research Foundation Flanders – ‘Unraveling winter sleep to understand spring reactivation: improved understanding of leaf out phenology in temperate deciduous trees by gaining insight in environmental controls of bud dormancy’

2017: DANIDA Fellowship Centre - Climate Change And Resilience Options In Zanzibar

External Examining

Coursework

2021: UNISA, CMA4801 (Geography Honours, Climate Mitigation and Adaptation)

University of Venda, GEO3642 (Geography Undergraduate, 3rd year Climatology)

2020: University of Johannesburg, GGR8X17 (Geography Honours Ethics, Justice and SA Environment)

UNISA, CMA4801 (Geography Honours, Climate Mitigation and Adaptation)

University of Venda, GEO5621 (Geography Masters, Climatology)

University of Venda, GEO3642 (Geography Undergraduate, 3rd year Climatology)

2019: University of Venda, GEO5621 (Geography Masters, Climatology)

University of Venda, GEO3642 (Geography Undergraduate, 3rd year Climatology)

University of Johannesburg GR3AFET (Geography FET Climatology)

2018: University of Johannesburg GR3AFET (Geography FET Climatology)

University of Johannesburg GGR8X17 (Geography Honours Ethics, Justice and SA Environment)

University of Venda, GEO5621 (Geography Masters, Climatology)

University of Venda, GEO3642 (Geography Undergraduate, 3rd year Climatology)

2017: University of Johannesburg, GR3AFET (Geography FET Climatology)

References

Available on request
