

# CURRICULUM VITAE

## Prof Heidi Prozesky



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**Scopus Author ID:** 16426368600

### Qualifications

**2006 | PhD (Sociology)**

*Gender differences in the publication productivity of South African scientists* |  
Stellenbosch University (SU)

**1998 | MPhil (Social Research Methods) Cum Laude**

*The principles and characteristics of participatory action research:  
A critical evaluation* | SU

**1993 | BA Honours (Sociology) Cum Laude**

SU

**1992 | BA Cum Laude (majors: Sociology, Psychology & English Literature)**

SU

**1989 | Matric Certificate A-average, 4 distinctions**

Menlopark High School, Pretoria

### Employment

Centre for Research on Evaluation, Science and Technology (CREST), SU

**March 2023–present**

| **Chair**

**July 2018–present**

| **Associate Professor**

DST-NRF Centre of Excellence in Scientometrics and Science, Technology and  
Innovation Policy (SciSTIP), SU

**January 2015–June 2018**

| **Research Manager**

Department of Sociology and Social Anthropology, SU

**July 2011–December 2014**

| **Senior Lecturer**

**2002–June 2011**

| **Lecturer**

**1994–2001**

| **Temporary Lecturer**

**1992–1995**

| **Temporary Research & Student Assistant**

## Research projects (2006+)

2020–2025 | **The postdoc in South Africa: history, trends and policies (including a national study of postdoctoral research fellows in South Africa)**

PI; Funding: SciSTIP & National Research Foundation

2020–2025 | **Facing the facts: women's participation in science, engineering and technology**

PI; Funding: SciSTIP

2020–2021 | **PhD tracer study**

Team member; Funding: Water Research Commission

2020–2021 | **Gender-disaggregated data at the participating organisations of the Global Research Council: results of a global survey**

Team member; Funding: Global Research Council (Gender Working Group)

2019–2020 | **Evaluation of South Africa's National Research and Development Strategy of 2002 and Ten Year Innovation Plan (2008–2018)**

Team member; Funding: Department of Science and Innovation

2018–2019 | **The state of the South African research enterprise**

Team member; Funding: National Research Foundation

2017–2019 | **The scope and uptake of research into higher education in South Africa**

Team member; Funding: South African Association for Institutional Research & SciSTIP

2017–2018 | **Study to support the building of a cadre of emerging researchers in the higher education system**

Team member; Funding: Universities South Africa

2015–2019 | **Studies in Antarctic and Southern Ocean science**

Co-PI; Funding: SciSTIP

2015–2019 | **Young scientists in Africa: factors influencing research performance and career development**

Team member; Funding: International Development Research Centre; Robert Bosch Stiftung & SciSTIP

2012–2014; 2017 & 2018 | **Social aspects of human–wildlife conflict management**

Team member; SeaWorld & Busch Gardens Conservation Fund (USA)

2012–2013 | **Generation and gender in academia**

Team member; Project of the Women in Higher Education Management Network

2012 | **Point of use disinfections systems designed for domestic rainwater harvesting tanks for improved water quality in rural communities**

Team member; Funding: Water Research Commission & Georgia Institute of Technology

2008–2012 | **A scientometric analysis of South African research in the Antarctic region**

Team member; Funding: NRF (SANAP)

2006–2011 | **Bibliometrics as a tool for measuring gender-specific research performance: an example from South African invasion ecology**

PI; Funding: C•I•B Core Team Grant

## Research outputs

### Articles in peer-reviewed journals

- Wilkes, R., Prozesky, H.E., Stannard, C.G., Cilliers, D., Stiller, J. & Whitehouse-Tedd, K. 2023. Recruitment and satisfaction of commercial livestock farmers participating in a livestock guarding dog programme. *Journal of Vertebrate Biology*, 72:23029. doi:10.25225/jvb.23029
- Beaudry, C., Prozesky, H., St-Pierre, C. & Mirnezami, S.R. 2023. Factors that affect scientific publication in Africa: A gender perspective. *Frontiers in Research Metrics and Analytics*, 8:1040823. doi:10.3389/frma.2023.1040823
- Mouton, J., Van Lill, M., Prozesky, H. & Redelinghuys H. 2022. Trends in the publication output of women at South African universities. *South African Journal of Science*, 118(9/10):Art. #14606. doi:10.17159/sajs.2022/14606
- Whitehouse-Tedd, K.M., Lozano-Martinez, J., Reeves, J., Page, M., Martin, J.H. & Prozesky, H. 2022. Assessing the visitor and animal outcomes of a zoo encounter and guided tour program with ambassador cheetahs. *Anthrozoös*, 35(2):307–322. doi:10.1080/08927936.2021.1986263
- Albertyn, C. & Prozesky, H. 2021. Development of research excellence: Insights from modes of work of high-achieving early-career researchers. *South African Journal of Higher Education*, 35(2):4–20. doi:10.20853/35-2-4005
- Basson, I., Blanckenberg, J. & Prozesky, H. 2021. Do open access journal articles experience a citation advantage? Results and methodological reflections of an application of multiple measures to an analysis by WoS subject areas. *Scientometrics*, 126(1):459–484. doi:10.1007/s11192-020-03734-9
- Prozesky, H. & Beaudry, C. 2019. Mobility, gender and career development in higher education: Results of a multi-country survey of African academic scientists. *Social Sciences*, 8(188). doi:10.3390/socsci8060188
- Prozesky H. & Mouton, J. 2019. A gender perspective on career challenges experienced by African scientists. *South African Journal of Science*, 115(3/4), Art. #5515. doi:10.17159/sajs.2019/5515
- Galloway, C., Conradie, B., Prozesky, H. & Esler, K. 2018. Are private and social goals aligned in pasture-based dairy production? *Journal of Cleaner Production*, 175:402–408. doi:10.1016/j.jclepro.2017.12.036
- Galloway, C., Conradie, B., Prozesky, H. & Esler, K. 2018. Opportunities to improve sustainability on commercial pasture-based dairy farms by assessing environmental impact. *Agricultural Systems*, 166:1–9. doi:10.1016/j.agsy.2018.07.008
- Sitas, N., Reyers, B., Cundill, G., Prozesky, H.E., Nel, J.L. & Esler, K.J. 2016. Fostering collaboration for knowledge and action in disaster management in South Africa. *Current Opinion in Environmental Sustainability*, 19:94–102. doi:10.1016/j.cosust.2015.12.007
- Basson, I. & Prozesky, H.E. 2015. A review of methodological trends in South African Sociology, 1990–2009. *South African Review of Sociology*, 46(3):4–27. doi:10.1080/21528586.2015.1022595
- Ntshotsho, P., Prozesky, H.E., Esler, K.J. & Reyers, B. 2015. What drives the use of scientific evidence in decision making? The case of the South African Working for Water program. *Biological Conservation*, 184:136–144. doi:10.1016/j.biocon.2015.01.021
- Sitas, N., Prozesky, H.E., Esler, K.J. & Reyers, B. 2014. Exploring the gap between ecosystem service research and management in development planning. *Sustainability*, 6(6):3802–3824. doi:10.3390/su6063802

- Dobrowsky, P.H., Mannel, D., De Kwaadsteniet, M., Prozesky, H., Khan, W. & Cloete, T.E. 2014. Quality assessment and primary uses of harvested rainwater in Kleinmond, South Africa. *Water SA*, 40(3):401–406. doi:10.4314/wsa.v40i3.2
- Sitas, N., Prozesky, H.E., Esler, K.J. & Reyers, B. 2014. Opportunities and challenges for mainstreaming ecosystem services in development planning: Perspectives from a landscape level. *Landscape Ecology*, 29(8):1315–1331. doi:10.1007/s10980-013-9952-3
- Hough, J.A. & Prozesky, H. 2013. “I don’t want to go back to the farm”: A case study of Working for Water beneficiaries’ fears of returning to farm work. *South African Journal of Science*, 109(9/10), Art. #1119, 8 pages. doi:10.1590/sajs.2013/111975–82.
- Urgenson, L.S., Prozesky, H.E. & Esler, K.J. 2013. Stakeholder perceptions of an ecosystem services approach to clearing invasive alien plants on private land. *Ecology and Society*, 18(1):26. doi:10.5751/ES-05259-180126
- Hough, J.A. & Prozesky, H. 2012. Beneficiaries’ aspirations to permanent employment within the South African Working for Water Programme. *Social Dynamics: A Journal of African studies*, 38(2):331–349. doi:10.1080/02533952.2012.719395
- Prozesky, H. & Boshoff, N. 2012. Bibliometrics as a tool for measuring gender-specific research performance: An example from South African invasion ecology. *Scientometrics*, 90(2):383–406. doi:10.1007/s11192-011-0478-7
- Hough, A. & Prozesky, H.E. 2010. ‘But we don’t spoil it, we protect it’: Coleske residents’ conceptualisations of the Baviaanskloof Nature Reserve and its protection. *South African Geographical Journal*, 92(2):160–172. doi:10.1080/03736245.2010.525078
- Esler, K.J., Prozesky, H.E., Sharma, G.P. & McGeoch, M. 2010. How wide is the “knowing-doing” gap in invasion biology? *Biological Invasions*, 12(12):4065–4075. doi:10.1007/s10530-010-9812-x
- Kalaba, F.K., Chirwa, P.W. & Prozesky, H.E. 2009. The contribution of indigenous fruit trees in sustaining rural livelihoods and conservation of natural resources. *Journal of Horticulture and Forestry*, 1(1):1–6.
- Prozesky, H.E. 2008. A career-history analysis of gender differences in publication productivity among South African academics. *Science Studies*, 21(2):47–67.
- Winter, S.J., Prozesky, H.E. & Esler, K.J. 2007. A case study of landholder attitudes and behaviour towards the conservation of Renosterveld, a critically endangered vegetation type in the Cape Floral Kingdom, South Africa. *Environmental Management*, 40(1):46–61. doi:10.1007/s00267-006-0086-0
- Prozesky, H.E. 2006. Gender differences in the journal publication productivity of South African academic authors. *South African Review of Sociology*, 37(2):87–112.

## Books & edited collections

- Beaudry, C., Mouton, J. & Prozesky, H. 2018. *The next generation of scientists in Africa*. Cape Town: African Minds.
- Heinecken, L. & Prozesky, H.E. (eds.). 2010. *Society in focus – Change, challenge and resistance: Reflections from South Africa and beyond*. Newcastle upon Tyne: Cambridge Scholars Publishing.
- Babbie, E., Mouton, J., Payze, C., Vorster, J., Boshoff, N & Prozesky, H.E. 2001. *The practice of social research*. South African edition. Cape Town: Oxford University Press Southern Africa.

## Chapters in peer-reviewed, edited volumes / conference proceedings

- Prozesky, H. 2022. Trends in the profile of South African postdocs, 2007–2019: Local context and global comparisons, in N. Robinson-Garcia, D. Torres-Salinas & W. Arroyo Machado (eds.). *26th International Conference on Science and Technology Indicators*, STI 2022 (sti22153). doi:10.5281/zenodo.6962228
- Botha, J., Prozesky, H. & Redelinghuys, H. 2021. A bibliometric study of South African research publications on higher education, in J. Botha & G. Vilyte (eds.). *Utilisation of South African research on higher education*. Stellenbosch: African Sun Media. 43–76. doi:10.52779/9781991201416
- Botha, J., Prozesky, H. & Redelinghuys, H. 2021. A topic model of South African research publications on higher education, in J. Botha & G. Vilyte (eds.). *Utilisation of South African research on higher education*. Stellenbosch: African Sun Media. 77–100. doi:10.52779/9781991201416
- Prozesky, H., Mlitwa, A. & Redelinghuys, H. 2021. A systematic review of research on women staff at higher education institutions in South Africa, 2006–2018, in J. Botha & G. Vilyte (eds.). *Utilisation of South African research on higher education*. Stellenbosch: African Sun Media. 101–132. doi:10.52779/9781991201416
- Prozesky, H. 2021. Five decades of empirical research on the postdoc: a scoping review of the contribution of bibliometrics, in W. Glänzel, S. Heffer, P-S Chi & R. Rousseau (eds.). *Proceedings of ISSI 2021: 18<sup>th</sup> International Conference on Scientometrics & Informetrics*. KU Leuven: International Society for Scientometrics and Informetrics. 921–932
- Prozesky, H. 2018. A gender perspective on career challenges experiences by African scientists, in M. Burke, R. Maphanga, J. Jansen van Rensburg, A. Bogaers & S. Dias (eds.). *Proceedings of the 2018 International Women in Science Without Borders (WISWB) Indaba*. Published under a Creative Commons Attribution 4.0 International license. 1–2.
- Prozesky, H. 2018. Superwomen and the streetlight effect in research on family-related career challenges among scientists in Africa, in R. Costas, T. Franssen & A. Yegros-Yegros (eds.). *Proceedings of the 23rd International Conference on Science and Technology Indicators*. Centre for Science and Technology Studies (CWTS), Leiden University, The Netherlands.
- Carvalho, T., Ozkanli, O., Prozesky, H. & Peterson, H. 2013. The next generation, in B. Bagilhole & K. White (eds.). *Generation and gender in academia*. Basingstoke: Palgrave MacMillan. 127–165.
- Beckett, S. & Prozesky, H. 2013. Hegemonic definitions from the “North”: Environmental concern as a western construct and its applicability to the South African and Antarctic context, in D. Liggett & A.D. Hemmings (eds.). *Exploring Antarctic values*. Christchurch: University of Canterbury, Gateway Antarctica Special Publication Series. 107–123.
- Heinecken, L. & Prozesky, H.E. 2010. An overview of society in focus, in L. Heinecken & H.E. Prozesky (eds.). *Society in focus – Change, challenge and resistance: Reflections from South Africa and beyond*. Newcastle upon Tyne: Cambridge Scholars Publishing. 1–10.
- Kalaba, F.K., Chirwa, P.W., Prozesky, H.E. & Ham, C. 2009. The role of indigenous fruit trees in the rural livelihoods: The case of communities in Mwekera area, Copperbelt Province Zambia, in H. Jaenickle, J. Ganry, I. Hoeschle-Zeledon & R. Kahane (eds.). *Acta Horticulturae*, 806:129–136 (Proceedings of the International Symposium on Underutilized Plants for Food Security, Nutrition, Income and Sustainability Development).
- Prozesky, H.E. & Mouton, J. 2001. The participatory research paradigm, in J.K. Coetzee, J. Graff, F. Hendricks & G. Wood (eds.). *Development: Theory, policy, and practice*. Cape Town: Oxford University Press Southern Africa.

## Research reports & theses

- Mouton, J., van Lill, M., Prozesky, H., Bailey, T., Duncan, M., Boshoff, N., Albertyn, C. & Treptow, R. 2022. *A national tracer study of doctoral graduates in South Africa*. Report to the Department of Science and Innovation [Online]. Available: [https://www0.sun.ac.za/scistip/wp-content/uploads/2022/07/National-Tracer-Study-of-Doctoral-Graduates-in-SA\\_DSI-approved.pdf](https://www0.sun.ac.za/scistip/wp-content/uploads/2022/07/National-Tracer-Study-of-Doctoral-Graduates-in-SA_DSI-approved.pdf)
- Prozesky, H., Van Lill, M. & Kumar, P. 2022. Policies and initiatives to promote career options for doctoral and postdoctoral scientists: Country note for South Africa. Report to the Global Science Forum of the Organisation for Economic Co-operation and Development.
- Contributor to: Global Research Council. 2021. *Gender-disaggregated data at the participating organisations of the global research council: Results of a global survey* [Online]. Available: [https://www.globalresearchcouncil.org/fileadmin/documents/GRC\\_Publications/Survey\\_Report\\_\\_GRC\\_Gender-Disaggregated\\_Data.pdf](https://www.globalresearchcouncil.org/fileadmin/documents/GRC_Publications/Survey_Report__GRC_Gender-Disaggregated_Data.pdf)
- Contributor to: SciSTIP. 2020. A review of the NRDS and TYIP. Report submitted to the Department of Science and Innovation.
- Mouton, J., Basson, I., Blanckenberg, J., Boshoff, N., Ford, K., Joubert, M., Lorenzen, L., Prozesky, H., Redelinghuys, H., Van Lill, M. & Van Niekerk, M. 2019. Field-specific analyses for the basic sciences (Biological Sciences, Chemistry, Computer Sciences, Geological Sciences, Mathematics, Physics & Statistics). Report to the DSI.
- Mouton, J., Basson, I., Blanckenberg, J., Boshoff, N., Prozesky, H., Redelinghuys, H., Treptow, R., Van Lill, M. & Van Niekerk, M. 2019. The state of the South African research enterprise. Report to the NRF.
- Beaudry, C., Solar-Pelletier, L., Mouton J. & Prozesky, H. 2018. Young scientists in Africa (YSA): Factors influencing research performance and career development. Final technical report to the IDRC (Canada).
- Mouton, J., with Botha, J., Boshoff, N., Prozesky, H., Swart, C., Treptow, R., Redelinghuys, H., Ford, K., van Niekerk, M. & Visagie, A. 2018. Building a cadre of emerging scholars for HE in South Africa. Report to USAf.
- Mouton, J., Prozesky, H. & Swart, C. 2017. Report on the YSA project. Mid-term progress report to the Robert Bosch Stiftung.
- Beaudry, C. & Mouton, J., with Blanckenberg, J., Huet, P., Prozesky, H., St-Pierre, C. & Swart, C. 2017. Young scientists in Africa: Factors influencing research performance and career development. Mid-term report to the IDRC (Canada).
- Williams, L. & Prozesky, H. 2017. Perceptions of the career progression of women academics at Stellenbosch University. Report to Stellenbosch University's Women's Forum.
- Mannel, D. & Prozesky, H. 2012. Domestic rainwater harvesting: Survey of perceptions of users in Kleinmond. Report to the Water Research Commission [Online]. Available: <https://www.wrc.org.za/wp-content/uploads/mdocs/TT%20604-14.pdf>
- Prozesky, H.E. 2006. Gender differences in the publication productivity of South African scientists. Unpublished doctoral dissertation. Stellenbosch: Stellenbosch University.
- Galant, J., Mouton, J., Boshoff, N., De Beer, J., Esau, S., Prozesky, H. & Lorenzen, L. 2005. A monitoring and evaluation framework to benchmark the performance of women in the NSI. SU Centre for Research on Science and Technology's report to the National Advisory Council's SET4W Reference Group.
- Bailey, T., Boshoff, N., Davids, S., Galant, J., Hunter-Hüsselmann, M., Mouton, J., Prozesky, H. & Ritchie, F. 2004. Women in science, engineering and technology in South Africa. SU Centre for Research on Science and Technology's Report to DST.

- Prozesky, H.E. 1999. Role players in the area of youth in South Africa with specific focus on the Boland region. Report to the Women on Farms Project, Stellenbosch.
- Prozesky, H.E. 1999. Review of legal obligations towards youth. Report to the Women on Farms Project, Stellenbosch.
- Prozesky, H.E. 1999. Literature review: Youth and gender issues in South Africa, teenage girls in South Africa and teenage girls on commercial farms in South Africa. Report to the Women on Farms Project, Stellenbosch.
- Prozesky, H.E. 1998. The principles and characteristics of participatory action research: A critical evaluation. Unpublished master's thesis. Stellenbosch: Stellenbosch University.
- Kritzinger, A.S., Prozesky, H.E. & Vorster, J.H. 1995. *Die arbeidsopset in die Suid-Afrikaanse sagtevrugte-uitvoerbedryf, Deel III: Plaaswerkers – Werkopset en gesin, gemeenskap en aftrede* [The labour setting in the South African deciduous fruit export industry, Part III: Farm workers – Work setting and family, community and retirement]. Report to UNIFRUCO's Women's Forum.

### Working papers, policy briefs, training manuals & data sets

- Van Schalkwyk, F., Prozesky, H. & Mothapo, P. 2022. The 'academic precariat': Postdoctoral fellows in South African higher education. *Briefly speaking*, No. 20, March.  
<https://www.che.ac.za/index.php/file/6493/download?token=sBaJ3iMj>
- Galloway, C., Prozesky, H., Conradie, B. & Esler, K. 2018. *Perceptions and adoption of sustainable dairy practices in the Eastern Cape*. Centre for Social Sciences Research (CSSR) Working paper no. 421. CSSR, University of Cape Town.
- Horn, L., Graham, C., Prozesky, H. & Theron, C. 2015. *Getting ethics approval for your research project*. Research Ethics Committee: Humanities (including Departmental Ethics Screening Committees – DESCs).
- Prozesky, H.E. 2013. *Bibliometric dataset of scientific articles relating to South Africa's research in the Southern Ocean*. Antarctic Legacy Archive [Online]. Available: <http://hdl.handle.net/123456789/2252>
- Prozesky, H.E., Wagenaar, T.C. & Babbie, E. 2003. *The practice of social research: Instructor's manual*. Cape Town: Oxford University Press Southern Africa.

### Presentations at scholarly events (past 5 years only)

- Prozesky, H. 2023. Gender differences in the publication output of South African academics, 2005–2021: How does the field of physics compare? Invited presentation at the Women in Physics in South Africa Discussion Panel. August; Stellenbosch University.
- Prozesky, H. 2023. A selection of results from the first national survey of postdocs in South Africa. Invited presentation at the 2023 University of Pretoria Postdoctoral Fellow Day. July; Virtual.
- Prozesky, H. 2023. A selection of results from the first national survey of postdocs in South Africa. Invited keynote at the 2<sup>nd</sup> Annual National Postdoctoral Research Forum. June; Stellenbosch University.
- Prozesky, H. & Van Lill, M. 2023. The representation of women among South African publishing academics: Variation across scientific domains. Gender, Work & Organization Conference 2023. June; Stellenbosch University.
- Prozesky, H. 2022. Trends in the profile of South African postdoctoral fellows, 2005–2019: Local context and global comparisons. Research at SciSTIP. November; Stellenbosch University.
- Prozesky, H. 2022. Experience and skills for diverse careers within and beyond academia. Presented as moderator of Item 3 of OECD Global Research Forum Workshop, "The Research Workforce of the

Future: Promoting Diverse Career Options for Doctoral and Postdoctoral Researchers”. November; Virtual.

Prozesky, H. 2022. What we know about the postdoc in South Africa: A high-level overview. Invited keynote at the 1<sup>st</sup> Annual National Postdoctoral Research Forum. July; Stellenbosch University.

Prozesky, H. 2021. The postdoctoral fellowship as a phase in the early careers of academics: Opportunities, challenges and the doctoral supervisor’s role. Invited presentation at the Networking Event for DIES/CREST Certificate Holders. November; Virtual.

Prozesky, H. 2021. The postdoc career path among South African PhD graduates, 2000–2018. Invited keynote presentation at the 2<sup>nd</sup> Postdoctoral Conference of Southern Africa. November; Virtual.

Prozesky, H. 2021. A gender-focused overview of African researchers. Invited panel presenter at the French Agency for Development Conference, “Rethinking the International Funding of African Research”. Panel: An Overview of African Research. June; Virtual.

Prozesky, H. 2021. Five decades of empirical research on the postdoc: A scoping review of the contribution of bibliometrics. Premium Talk at the 18<sup>th</sup> International Conference on Scientometrics and Informetrics (ISSI 2021). July; Virtual.

Albertyn, C. & Prozesky, H. 2021. Mapping the factors that facilitate doctoral graduate innovation through private-sector careers. Workshop: PhD-Training in and for Africa. September; Virtual.

Beaudry, C., Prozesky, H. & Tahmooresnejad, L. 2019. Scientific production and impact in Africa: Does collaboration mitigate the gender bias? Atlanta Conference on Science and Innovation Policy. October; Atlanta, Georgia; USA.

Prozesky, H. & Beaudry, C. 2019. Mobility, gender and career development in higher education: Results of a multi-country survey of African academic scientists. Academic Pipeline Development for Excellence Seminar. October; Stellenbosch.

Prozesky, H. 2019. Mentoring and support, mobility, research publications and collaboration: The experiences of young scientists in Africa. Invited presentation at the DAAD Alumni Conference “Young Scholars in Africa: Challenges and Opportunities”. March; Nairobi, Kenya.

Albertyn, C. & Prozesky, H. 2019. Cultivating top researchers: Learning from leading early-career academics. Postgraduate Supervision Conference (PGS7). March; Stellenbosch.

Prozesky, H. 2018. The next generation of scientists in Africa. Invited keynote at the Leipzig-Stellenbosch Seminar, “Knowledge Production and Knowledge Societies: Africa in its Transregional Entanglements”. November; Stellenbosch.

Prozesky, H. 2018. How can young scientists in Africa become research leaders? An overview of “The next generation of scientists in Africa”. Invited presentation at the End-of-year Programme for STIAS PhD Scholarship Holders. November; Stellenbosch.

Beaudry, C., Diagne, B. & Prozesky, H. 2018. Challenges facing young scientists in Africa: What over 7,000 of them say – Key findings and recommendations. Invited presentation at the Partnerships for Impact Dialogue: Investing in Research and Innovation in Africa. November; Abidjan, Côte d’Ivoire.

Prozesky, H. 2018. Superwomen and the streetlight effect in research on family-related career challenges among scientists in Africa. 23rd International Conference on Science and Technology Indicators (STI 2018). September; Leiden, the Netherlands.



## Other research activities

### Conferences / workshops organised

- *Women's Day Gender Summit*, organised in collaboration with Monica du Toit (Centre for Inclusivity, SU) and HERS-SA, August 2014, Stellenbosch.
- *Generation and gender in academia*. Invited workshop organised in collaboration with Kate White and Maria de Lourdes Machado-Taylor at the Gender, Work and Organisation Conference, June 2014, Keele, UK.
- *Working for Water's new approach towards management of invasions on private land*. Workshop organised in collaboration with Lauren Urgenson and Karen Esler, April 2009, Cape Town.
- *Society, power and the environment: challenges for the 21st century*. Member of the Local Organising Committee for the XIV South African Sociological Association Congress, July 2008, Stellenbosch.

### Popular articles and other media interactions

- Meyer, C., Beaudry, C. & Prozesky, H. 2023. Addressing gender disparities in scientific publication. *University World News*, 8 March [Online]. Available: <https://www.universityworldnews.com/post.php?story=20230307200836238>
- Albertyn, C. & Prozesky, H.E. 2021. How top young academics secure 'currency' from the start. *University World News (Africa Edition)*. 15 July [Online]. Available: <https://www.universityworldnews.com/post.php?story=20210711150242897>
- Interviewed as a special guest for a series on women in academia, as part of a weekly talk radio programme, "Womanity: Women in unity", broadcast by the South African Broadcasting Corporation's (SABC) Channel Africa across Africa ([www.womanity.africa](http://www.womanity.africa)). November 2021; Virtual.
- Assisted NRF in writing "Gender, family and funding: Career challenges facing African scientists", a popular article published in *Science Matters*, Vol 3 Issue 2, 2020. Adapted from an article published with Johann Mouton in *South African Journal of Science* in 2019.
- Interview with journalist who wrote a popular article, "Fellowship awardees to boost Africa's knowledge economy" for *SciDev*, published May 2020.
- Rippenaar-Moses, L. 2012. Sociologist and historian look at the "triple burden of masculinity" and its impact on female scientists working in Antarctica. *LETTER: Newsletter of the Faculty of Arts and Social Sciences*, 8(3, November/December):40–42.
- Prozesky, H. 2012. Antarctic Legacy Project, in *Research at Stellenbosch University 2011*. Stellenbosch: SUN MeDIA. 16–17.
- Brits, E., Pepler, D. & Prozesky, H. 2012. Interview on *Radio Sonder Grense* on *Hoe lewe 'n mens groen?* (How does one live green?). March, Stellenbosch.
- Tancred, E-M. 2008. Dié (vroue) stryd is nog nie gewen nie. *Rapport*. March.
- Van Wyk, M. 2004. Waar val die appel?. *Sarie*. November.

## Supervision and teaching

### Doctoral supervision (\*co-supervision)

| Student              | Programme                      | Title  | Status         |
|----------------------|--------------------------------|--|----------------|
| *Liile Lerato Lekana | Science and Technology Studies | <i>The use of institutional research outputs by university managers: An embedded case study of a university in South Africa</i>            | In progress    |
| Charl Albertyn       |                                | <i>The profile and innovation outcomes of South African doctoral graduates in STEM, 2000–2018: A mixed methods study</i>                   | Completed 2023 |
| Phyllis Kalele       |                                | <i>The role of mentoring in the career outcomes of female early-career academics in Africa: a secondary analysis of multi-country data</i> | Completed 2021 |
| *Isabel Basson       |                                | <i>Open access of South African academic research publications: a bibliometric analysis of journals and articles</i>                       | Completed 2018 |
| *Craig Galloway      | Conservation Ecology           | <i>Adoption of sustainable agricultural practices on commercial dairy farms in the Eastern Cape, South Africa</i>                          | Completed 2017 |
| Jean Nzabonimpa      | Social Science Methods         | <i>Methods effects in a mixed methods investigation of Rwandan girls' perspectives on secondary school science subjects</i>                | Completed 2016 |
| *Nadia Sitas         | Conservation Ecology           | <i>Opportunities and challenges for mainstreaming ecosystem services in decision making</i>  | Completed 2014 |

### Masters supervision (\*co-supervision)

| Student           | Programme                            | Title  | Status         |
|-------------------|--------------------------------------|--|----------------|
| Dominique Meyer   | MPhil (Science & Technology Studies) | <i>Is it women enough? A gender comparison on the South African Research Chair Initiatives as a funding programme</i>                      | In progress    |
| Vuyiswa Mathambo  |                                      | <i>Experiences of a select sample of women chair-holders in the South African Research Chairs Initiative</i>                               | In progress    |
| George Mvalo      |                                      | <i>Strategies deployed by South African science centres to attract visitors from non-traditional audiences</i>                             | In progress    |
| Primarashni Gower |                                      | <i>Science magazines for the youth: A cross-national case study of objectives and strategies towards relevance and survival</i>            | Completed 2022 |
| *Gaabadzo Moseki  |                                      | <i>The relevance of South African PhD training to five sub-Saharan African countries: a secondary analysis of PhD tracer data</i>          | Completed 2022 |
| *Beate Hölscher   |                                      | <i>What motivates participation in citizen science? The case of the Nylsvley Woodland Bird Census</i>                                      | Completed 2021 |
| *Chani Macaulay   |                                      | <i>A survey of opinions and attitudes toward genetically modified (GM) foods amongst Stellenbosch University postgraduate students</i>     | Completed 2021 |
| Charl Albertyn    |                                      | <i>High-performing early-career academics' perceptions and experiences of successful research strategies: a South African case study</i>   | Completed 2018 |
| Anri Hendricks    | MA (Social Science Methods)          | <i>Social science researchers' experiences of research ethics review at Stellenbosch University</i>  | Completed 2017 |
| Sinikiwe Simakani | MA (Sociology)                       | <i>The role of mass communication on the invasive European paper wasp <i>Polistes dominula</i> in shaping public perception and action</i> | Completed 2016 |

|                    |  |  |                |
|--------------------|--|--|----------------|
| Lorryn Williams    |  | <i>In pursuit of gender equality at Stellenbosch University: a mixed methods study of academic women and the gender-related challenges they face</i>   | Completed 2016 |
| Laura Caetano      |  | <i>Environmental conflict and its resolution: the case of invasive alien species management in South Africa</i>  | Completed 2016 |
| Renelle Terblanche |  | <i>Good fences make good neighbours: an interpretative study of human–baboon and human–human conflict on the Cape Peninsula</i>  | Completed 2015 |
| *Karla Haupt       | MScAgric (Entomology)                                  | <i>The impacts of the alien wasp, <i>Vespula germanica</i>, in South Africa</i>  | Completed 2014 |
| *Rosie Wilkes      | MSc (Endangered Species Recovery and Conservation, UK) | <i>The effect of social factors on the recruitment, management and success of a livestock guarding dog programme in South Africa</i>   | Completed 2014 |
| *Sean Beckett      | MA (Sociology)   | <i>Environmental concern, race and socio-economic status in post-apartheid South Africa, 1996–2006</i>   | Completed 2013 |
| Isabel Basson      | MPhil (Social Science Methods) <i>cum laude</i>        | <i>A review of methodological trends in South African sociology, 1990–2009</i>   | Completed 2013 |
| *Carlien Vorster   | MSc (Conservation Ecology) <i>cum laude</i>            | <i>Distribution and bait preference of the Argentine ant in natural vegetation</i>   | Completed 2011 |
| Anton Hough        | MA (Sociology)   | <i>Beneficiary dependence on the South African Working for Water programme: a multi-site case study of four projects in the Western Cape</i>   | Completed 2010 |
| Megan James        | MPhil (Social Science Methods)                         | <i>“The validity endeavour”: a content analysis of the use of computer aided qualitative data analysis software (CAQDAS) to enhance validity in qualitative research</i>   | Completed 2010 |
| Esmari Taylor      | MPhil (Community & Development)                        | <i>Die uitgebreide rol van onderwysers in die aanspreek van die behoeftes van kinders wat weerloos gelaat is in die konteks van MIV/VIGS [The extended role of teachers in addressing the needs of vulnerable children in the context of HIV/AIDS]</i> | Completed 2009 |
| *Felix Kalaba      | MSc (Forestry)   | <i>The role of indigenous fruit trees (IFTs) in the livelihoods of the rural communities in the Copperbelt province, Zambia</i>  | Completed 2008 |
| *Sue Winter        | MSc (Ecological Assessment) <i>cum laude</i>           | <i>The use of landowner willingness to prioritize conservation action in Renosterveld</i>  | Completed 2004 |

## Honours supervision

| Student                | Programme                                | Title  | Status         |
|------------------------|--|--|----------------|
| Liza Nilsson           | Sociology                                | <i>A descriptive study of the motivations, experiences and support structures of mature-aged undergraduates at Stellenbosch University</i> | Completed 2015 |
| *Jairo Lozano Martinez | Zoo Biology, Nottingham Trent University | <i>The conservation value of zoo-housed cheetahs as assessed from visitor attitudes</i>  | Completed 2015 |
| *Riaan Fourie          | Conservation Ecology                     | <i>The harvesting of natural resources on Stellenbosch Mountain: using a discourse analysis to compare stakeholder meanings</i>            | Completed 2013 |
| *Brent Abrahams        |  | <i>A socio-ecological study of the Wolfgat Nature Reserve and the neighbouring Mitchells Plain community</i>                               | Completed 2013 |
| Renelle Terblanche     | Sociology                                | <i>Propagating environmental knowledge: a case study of learners as catalysts</i>  | Completed 2013 |
| Laura Caetano          |  | <i>Mind the gap: Comparing public and environmental managers' views on invasive alien plant species in Cape Town</i>                       | Completed 2013 |

|                  |  |   |                          |
|------------------|--|---|--------------------------|
| Lèlani Adam      |  | <i>South African journalists' conveyance of environmental concerns: A content analysis of media frames</i>  | Completed 2012           |
| Sean Beckett     |  | <i>"Aplantheid": The transmission of values from invasion ecologists to society</i>   | Completed 2011           |
| Colette Varney   |  | <i>'n Ondersoek van kommersiele boerderye langs die Eersterivier: Volhoubare praktyke en die moontlike inwerking daarvan op omliggende plantegroei [An investigation of commercial farming along the Eerste River: Sustainable practices and their possible impact on the surrounding vegetation]</i> | Completed 2010           |
| Milandrè van Wyk |  | <i>An Islamic connection: Male Muslim internet dating and perceptions of religious guilt</i>  | Completed cum laude 2010 |
| Michael Green    |  | <i>The effect of divorce on parent-child attachment relationships among teenagers and young adults</i>  | Completed 2005           |

## Postgraduate teaching

| Year(s)                             | Topic   | Level  |
|-------------------------------------|---|--|
| 2022+                               | <i>Research integrity and ethics (module co-ordinator)</i>            | Postgraduate Diploma in Research Management and Administration (CREST)                           |
| 2021+                               | <i>Ethics: introduction and application process</i>                   | MPhil in Monitoring and Evaluation (CREST)   |
| 2017+                               | <i>An introduction to the sociology of science</i>                    | Masters & PhD (CREST)  |
| 2019                                | <i>Introduction to survey research and questionnaire construction</i> |  |
| 2018–2019<br>2013–2015<br>2013–2018 | <i>Principles of research design</i>                                  | PhD (Graduate School of Arts and Social Sciences)  |
|                                     |   | Honours & Master's (Department of Sociology & Social Anthropology)                               |
| 2015                                |   | <i>Overview of research systems in Africa with a special focus on Africa's scientific output</i> |
| 2013 & 2014                         | <i>The ethics application process</i>                                 | PhD<br>Honours   |
| 2013 & 2014                         | <i>Theory &amp; methodology in social research</i>                    | Masters  |
| 2010–2012                           | <i>The conceptualisation and design of research</i>                   | Masters  |
| 2007                                | <i>Gender and the family</i>  | Honours  |
| 2003, 2005 & 2006                   | <i>Social research methods</i>  | Honours  |
| 2001                                | <i>Youth, sexuality and health</i>                                    | Masters  |
| 1996–1997                           | <i>Questionnaire construction</i>                                     |  |
| 1997                                | <i>Participatory action research</i>                                  |  |

## Undergraduate teaching

| Year(s)     | Topic  | Year level      |
|-------------|--|-----------------|
| 2013 & 2014 | <i>Social research methods</i>                           | 3 <sup>rd</sup> |
| 2012        | <i>Environmental sociology</i>                           | 1 <sup>st</sup> |
| 2011–2014   | <i>Environmental sociology</i>                           | 3 <sup>rd</sup> |
| 2007–2010   | <i>An introduction to the sociology of science</i>       | 3 <sup>rd</sup> |
| 2004–2006   | <i>An introduction to science and technology studies</i> | 3 <sup>rd</sup> |
| 2002–2005   | <i>The sociology and ethics of science</i>               | 3 <sup>rd</sup> |

|                  |   |                 |
|------------------|---|-----------------|
| 2002 & 2006–2009 | <i>Methodology of social science research</i> | 3 <sup>rd</sup> |
| 1996–2001 & 2009 | <i>Social research</i>                        | 3 <sup>rd</sup> |
| 1997–2007        | <i>Social institutions</i>                    | 1 <sup>st</sup> |
| 2003             | <i>Introduction to sociology</i>              | 1 <sup>st</sup> |
| 1999–2002        | <i>Social theory</i>                          | 3 <sup>rd</sup> |
| 1997–1998        | <i>Sociology of work</i>                      | 3 <sup>rd</sup> |
| 1998             | <i>Poverty and development</i>                | 2 <sup>nd</sup> |
| 1997             | <i>Sociology of deviance</i>                  | 2 <sup>nd</sup> |

## Professional service delivery, administration and management

### Chair of CREST (2023+)

- Staff management, including planning of training, career development and talent management, as well as successor planning
- Oversee responsibility for student affairs
- Strategic planning and innovation in academic offering, research and community interaction, e.g. drafting of Departmental Action Plan
- Liaise between CREST staff and management in the faculty (e.g. the dean's office; vice-chairs and committee chairs) and in the university (e.g. heads of administrative divisions)

### Research manager of SciSTIP (2015–2018)

- Manage and administer researchers' research-funding proposals and reporting of research outputs
- Assist researchers in managing administrative and scholarly aspects of their projects (e.g. research contracts, bursary advertisements, research project proposals, ethical clearance)
- Draft annual and other reports; business plans; internal policies and guidelines; as well as documents in preparation for meetings of management and/or steering committee
- Manage and administer the appointment of extraordinary professors, research/postdoctoral fellows and research associates
- Stakeholder relations management (regarding co-funded projects, collaborative agreements and joint ventures)
- Marketing (e.g. developing promotional material for events and the website)

### Teaching convenorships

- PhD in Social Science Methods (2010–2014)
- Third-year Sociology (2002 & 2009–2014)
- Sociology Honours (2012–2013)
- Meta-sciences (2002 & 2004–2010)

### Examiner / moderator

#### External examiner: Doctoral dissertations

- 2023 (Education Management, NWU)
- 2020 (Economics, Maastricht University)
- 2016 (Didactics, UNISA)
- 2012 (Engineering, UKZN)

### Internal examiner

- Doctoral dissertations: 2020 (2 x Science & Technology Studies); 2019 (Conservation Ecology); 2018 (Science & Technology Studies); 2017 (Science and Technology Studies); 2010 (Political Science)
- Master's theses: 2021 (MPhil Social Science Methods); 2015 (MA Sociology); 2012 (MPhil Social Science Methods); 2010 & 2011 (3 x MA Sociology); 2009 (MSc Conservation Ecology); 2006 (MPhil Science & Technology Studies); 2005 (MPhil Social Science Methods)
- MPhil (STS) research assignments: 2017+ (5)
- Honours (Sociology) research reports: 2005 & 2009–2013 (6)

### External moderator

- 3<sup>rd</sup>-year courses: 2010 (UL & UWC); 2011 & 2012 (UL)
- Honours and master's courses: 2010 & 2011 (UWC); 2012 (UL & UWC); 2014 (UJ)

### Professional service within Stellenbosch University

- Coordinator of CREST's Departmental Ethics Screening Committee (2020+), and primary reviewer of most of the student and staff applications
- Recognition of Prior Learning co-ordinator of CREST (2022–2023)
- Early Career Academic Development Programme (mentor, 2018–2021)
- Research Ethics Committee for Human Research (Humanities) (2012–2014 & 2017)
- Institutional Forum (2011–2014)
- Executive Committee of Women's Forum (2013–2017)
- Gender Advancement Programme Task Team (2013)
- Healthcare Management Committee (2015 & 2016)
- Departmental Ethics Screening Committee of the Department of Sociology and Social Anthropology (2012–2014)
- PhD admissions committees: member (2007+); chair (2015+)
- PhD oral-examinations committees: chair (2013, 2015; 2017 & 2018)
- Appointment committees (1 in 2021; 2 in 2009) & for Dean of the Faculty of Arts and Social Sciences (2012)
- Graduate School Flagship Research Theme: Land, Environment and Society in Africa (2010 & 2011)
- Board of the Centre for Research on Evaluation, Science and Technology (2010)
- E-Learning Task Team, Arts Faculty (representative of the social sciences) (2005)
- Coordination committee of BA Programme in Development and Environment (2003–2014)

### Professional service outside Stellenbosch University

- Member of the OECD Global Science Forum Expert Group for the project, "Promoting career options for doctoral and postdoctoral scientists" (2021–2023)
- Member of Advisory Board for the Centre for Global Higher Education "Research on Research" project (2021+)
- Member of the Expert Panel for the Jennifer Ward Oppenheimer Research Grant (2019 & 2020)
- Board of Higher Education Resources Services South Africa (HERS-SA; 2013–2019)
- NRF (Thuthuka) 2013 social sciences panel
- Reviewer of NRF grant application (2014)
- Reviewer of NRF rating application (2015)
- Women in Higher Education Management (WHEM) Network (2011–2014)

- Invasive Wasp Research Consortium (South African National Biodiversity Institute & Department of Conservation Ecology and Entomology, SU; 2014)
- C•I•B: Core Team Member (2005–2014); Research Associate (2014)
- Steering Committee overseeing a Survey of Social Sciences and Humanities Scholars on Engagement in Global Environmental Change Research, carried out by the International Human Dimensions Programme on Global Environmental Change (IHDP) (2010–2011)

## Involvement in scholarly journals and subject associations

- Peer-review
  - 1) International journals: *International Journal of Gender Science and Technology* (2022); *Journal of Science Communication* (2022); *Frontiers in Sociology* (2021); *Science and Public Policy* (2021); *Minerva* (2015, 2018; 2020); *Scientometrics* (2014 & 2015); *Journal of Environmental Management* (2012); *PLoS ONE* (2011); and *Environmental Management* (2009, 2008)
  - 2) South African journals: *Agenda* (2020); *Education as Change* (2013); *WaterSA* (2012); and *South African Journal of Science* (2021; 2012); *South African Review of Sociology* (previously *Society in Transition*; 2014, 2011, 2007 & 2003)
  - 3) Other: Book review for Oxford University Press (2020); Inter-American Development Bank (2017), the journal *Gender Questions* (2013), abstract for the Equal Opportunities International Conference (2013); Department of Sociology and Social Anthropology's Occasional Paper Series (2007)
  - 4) Conference papers as a member of the Scientific Committee of the 2019 and 2021 conferences of the International Society for Scientometrics & Informetrics; and Program Committee of the 2018 and 2020 international conferences on Science, Technology and Innovation Indicators
- Member of the South African Sociological Association (SASA; 2001–2014)
- Member of the Council of SASA (2005–2006)
- Executive Office bearer (Secretary) of the Council of SASA (2007–2008)
- Co-convenor of the 2009 SASA Working Group on Higher Education and Science Studies and Convenor of the 2008 SASA Working Group on Family and Population Studies

## Awards and bursaries

2009–2015 | **SU Rector's award for general performance**

1997–1998 | **Centre for Science Development merit bursary for M degree**

1990 | **SU merit bursary for undergraduate studies**

## References

### **Prof Johann Mouton**

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