

Education

MSc candidate in Biological Sciences Cape Town

2018–present

Dissertation title:

Genome size effects on plant hydraulic ecophysiology, habitat & phenology in Cape Schoenoid sedges

Principle supervisor: A/Prof A.M. Muasya.

Co-supervisors: A/Prof G.A. Verboom & A/Prof A.G. West

BSc Hons in Biological Sciences Cape Town

2017

Graduated with distinction.

Dissertation title:

Relating vascular plant species richness & environmental heterogeneity across spatial scales in the GCFR & SWAFR

Supervisors: Prof M.D. Cramer & A/Prof G.A. Verboom

Publications

- Elliott, T.L., Laidler, G., Muasya, A.M., Muthaphuli, N. & **van Mazijk, R.** (In review). Foregrounding sedges: bringing the neglected Cape Schoenoid sedges to the forefront of genomic research. *Veld & Flora*.
- Cramer, M.D., Wootton, L.M., **van Mazijk, R.** & Verboom, G.A. (In review). Improved spatial soil data confirms dependence of vegetation distribution on edaphic properties in the Cape biodiversity hotspot. *Diversity & Distributions*.
- **Van Mazijk, R.**, Cramer, M.D. & Verboom, G.A. (In prep.). The role of environmental heterogeneity in determining plant species richness in the Greater Cape Floristic Region & the Southwest Australia Floristic Region. *Journal of Biogeography*.
- **Van Mazijk, R.**, Smyth, L.K., Weideman, E.A. & West, A.G. (2018). Isotopic tracing of stormwater in the urban Liesbeek River. *Water SA*, 44(4):674–679. DOI: 10.4314/wsa.v44i4.16.

Professional affiliations

- Council member, Student Representative, Southern African Society for Systematic Biology (SASSB) 2019–present
- Student member, South African Association of Botanists (SAAB) 2017–present

Funding & awards

- SASSB Best MSc Presentation (3-way tie), at the 45th Annual SAAB, AMA & SASSB Joint Congress January 2019
- DST-NRF Innovation Masters Scholarship (R90,000) 2019
- SAAB MSc Student Bursary (inaugural recipient) (R20,000) 2018, 2019
- UCT Once-Off Top Up Award (R5,520) 2018
- UCT Conference Travel Grant to attend the 45th Annual SAAB, AMA & SASSB Joint Congress, 2019 (R3,819) 2018
- UCT Dept. Biological Sciences Dorothy Cameron Scholarship (R20,000) 2018
- UCT Masters Research Scholarship (R30,000) 2018
- DST-NRF Innovation Honours Scholarship (R60,000) 2017
- SAAB Honours Scholarship (R10,000) 2017
- UCT Science Faculty Scholarship (R15,000 p.a.) 2015, 2016

Teaching experience

- Teaching & field assistant for 2nd year ecology & evolution February 2019–present
- Teaching assistant for second year angiosperm diversity practicals 2018–present
- Tutor for 2nd year study design & data analysis for scientists 2017–present
- Assistant tutor for short course *SEEC-ACCESS Introduction to statistical modelling & data analysis* 18–20 July 2018
- Assistant tutor for 1st year R practicals 2016–present

References

All from Dept. Biological Sciences, UCT

- A/Prof G.A. Verboom tony.verboom@uct.ac.za, (+27) 21 650 3398
- Prof M.D. Cramer michael.cramer@uct.ac.za, (+27) 21 650 2444
- A/Prof A.M. Muasya muthama.muasya@uct.ac.za, (+27) 21 650 3725
- A/Prof A.G. West adam.west@uct.ac.za, (+27) 21 650 3628