

Education

- MSc candidate** in Biological Sciences (UCT¹) 2018—
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 (UCT)—Graduated with distinction 2017
Relating vascular plant species richness & environmental heterogeneity spatially 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 press). Foregrounding sedges: bringing the neglected Cape Schoenoid sedges to the forefront of genomic research. *Veld & Flora*. (Popular article)
- 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. *Divers. Distrib.*
- Van Mazijk, R.**, Cramer, M.D. & Verboom, G.A. (In prep.). The role of environmental heterogeneity in determining plant species richness in the GCFR & SWAFR. *J. Biogeogr.*
- 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.

Funding & awards

- Best Systematics MSc Presentation at SAAB²-AMA³-SASSB⁴ IVXV⁵ (tie) 2019
- Innovation Masters Scholarship (DST⁶-NRF⁷) 2019
- MSc Student Bursary (inaugural recipient) (SAAB) 2018–2019
- Once-Off Award (UCT) 2018
- Travel grant for SAAB-AMA-SASSB IVXV (UCT) 2018
- Dorothy Cameron Scholarship (UCT) 2018
- Masters Research Scholarship (UCT) 2018
- Innovation Honours Scholarship (DST-NRF) 2017
- Honours Scholarship (SAAB) 2017
- Science Faculty Scholarship (UCT) 2015–2016

Total ca. US\$18,800 or €16,800

Teaching assistance All undergrad. courses unless stated

- Principles of ecology & evolution 2019—
- Angiosperm diversity 2018—
- Scientific study design & data analysis in R 2017—
- Teaching Biodiversity for High School Life Science Teachers (SDU⁸ short course) 2019
- Statistical modelling in R (SEEC⁹-ACCESS¹⁰ short course) 2018
- Introductory statistics in R 2016–2018
- Mathematics for biology, earth & environmental sci. 2015

Professional affiliations

- SASSB council member, student representative 2019—
- SAAB student member 2017—

References All from the 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

¹University of Cape Town

²South African Association of Botanists

³African Mycological Association

⁴Southern African Society for Systematic Biology

⁵45th Annual SAAB, AMA & SASSB Joint Congress

⁶Department of Science & Technology (South Africa)

⁷National Research Foundation (South Africa)

⁸Schools Development Unit (UCT)

⁹Centre for Statistics in Ecology, the Environment & Conservation (UCT)

¹⁰DST-NRF Applied Centre for Climate & Earth Systems