

Education

MSc candidate in Biological Sciences (UCT ¹)	2018—
<i>Genome-size effects on plant hydraulic ecophysiology, habitat & phenology in Cape schoenoid sedges</i>	
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) With distinction	2017
<i>Relating vascular plant species richness & environmental heterogeneity spatially in the GCFR & SWAFR</i>	
Supervisors: Prof M.D. Cramer & A/Prof G.A. Verboom	
BSc in Ecology & Evolution, Applied Biology (UCT) With distinction in both majors & the degree	2016

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 SAAB ² -AMA ³ -SASSB ⁴ IVXV ⁵ (tie)	2019
Innovation Masters Scholarship (DST ⁶ -NRF ⁷)	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 (SDU ⁸ short course)	2019
Statistical modelling in R (SEEC ⁹ -ACCESS ¹⁰ 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—

Research assistance

<i>Schoenus</i> spp. (Cyperaceae: Schoeneae) collections & growth for Dr T.L. Elliott & A/Prof A.M. Muasya (UCT)	2018
<i>Mimetes</i> spp. & <i>Leucospermum</i> spp. (Proteaceae) population monitoring for Dr J.A. Slingsby (SAEON ¹¹ , SEEC)	2017
Legume symbiotic rhizobia collections & culturing for Dr M. Dlodlu (University of Swaziland)	2015

References

All from the Dept. Biological Sciences (UCT)

A/Prof G.A. Verboom	tony.verboom@uct.ac.za	Prof M.D. Cramer	michael.cramer@uct.ac.za
A/Prof A.M. Muasya	muthama.muasya@uct.ac.za	A/Prof A.G. West	adam.west@uct.ac.za

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

¹¹South African Environmental Observation Network