

Education *All at the University of Cape Town (UCT)*

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| MSc candidate in Biological Sciences | 2018– |
| <i>Genome-size effects on plant hydraulic ecophysiology, habitat & phenology in Cape schoenoid sedges</i> | |
| Principal supervisor: A/Prof A.M. Muasya. Co-supervisors: A/Prof G.A. Verboom & A/Prof A.G. West | |
| BSc Hons in Biological Sciences <i>With distinction</i> | 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 <i>With distinction in both majors & the degree</i> | 2016 |

Publications

- 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.*
- 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. (2019). New regionally-modelled soil layers improve prediction of vegetation type relative to that based on global soil models. *Divers. Distrib.* 00:1–15. DOI: 10.1111/ddi.12973.
- 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

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| Best Systematics MSc Presentation at SAAB ¹ -AMA ² -SASSB ³ IVXV ⁴ (tie) | 2019 |
| Innovation Masters Schol. (DST ⁵ -NRF ⁶) | 2019 |
| MSc Student Bursary (SAAB) | 2018–2019 |
| Once-Off Award (UCT) | 2018 |
| Travel grant for SAAB-AMA-SASSB IVXV (UCT) | 2018 |
| Dorothy Cameron Schol. (UCT) | 2018 |
| Masters Research Schol. (UCT) | 2018 |
| Innovation Honours Schol. (DST-NRF) | 2017 |
| Honours Schol. (SAAB) | 2017 |
| Science Faculty Schol. (UCT) | 2015–2016 |

Total ca. US\$18,800 or €16,800

Teaching assistance *All for undergrad. unless stated*

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| Data wrangling & manipulation in R (<i>Organised & lead workshop</i>) | 2019 |
| 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 ⁷ short course) | 2019 |
| Stat. modelling in R (SEEC ⁸ -ACCESS ⁹ short course) | 2018 |
| Intro. statistics in R | 2016–2018 |

Professional affiliations

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| SASSB council member, student representative | 2019– |
| SAAB student member | 2017– |

Research assistance

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| <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 ¹⁰ , SEEC) | 2017 |
| Legume symbiotic rhizobia collections & culturing for Dr M. Dlodlu (University of Swaziland) | 2015 |

References *All from the Dept. Biological Sciences (UCT)*

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| 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 |

Skills & misc.

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| Skills | <i>Strong public speaker, visual design, teaching</i> |
| Languages | <i>English, Afrikaans, R, bash</i> |
| Tools | <i>R Markdown, LaTeX, git, GitHub, MS Office</i> |
| Methods | <i>Stat. modelling, data manipulation, GIS (in R)</i> |

¹ South African Association of Botanists

² African Mycological Association

³ Southern African Society for Systematic Biology

⁴ 45th Annual SAAB, AMA & SASSB Joint Congress

⁵ Department of Science & Technology (South Africa)

⁶ National Research Foundation (South Africa)

⁷ UCT Schools Development Unit

⁸ UCT Centre for Statistics in Ecology, the Environment & Conservation

⁹ DST-NRF Applied Centre for Climate & Earth Systems

¹⁰ South African Environmental Observation Network

