Ruan van Mazijk *Curriculum vitae*

ruanvmazijk@gmail.com, (+27) 72 516 7570

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

MSc candidate in Biological Sciences   UCT
> *Genome-size effects on plant hydraulic ecophysiology, habitat & phenology in Cape schoenoid sedges*
> Principal supervisor: Prof A.M. Muasya. Co-supervisors: A/Prof G.A. Verboom & A/Prof A.G. West

BSc Hons in Biological Sciences *With distinction*   UCT 2017
> *Relating vascular plant species richness & environmental heterogeneity spatially in the GCFR & SWAFR*
> Supervisors: Prof M.D. Cramer & A/Prof G.A. Verboom

BSc in Ecology & Evolution, Applied Biology *With distinction in both majors & the degree*   UCT 2016

Publications

Van Mazijk, R., Cramer, M.D. & Verboom, G.A. (2021). Environmental heterogeneity explains contrasting plant species richness between the South African Cape and southwestern Australia. *J. Biogeogr.* 48:1875–1888. DOI: 10.1111/jbi.14118.

Elliott, T.L., **van Mazijk, R.**, Barrett, R.L., Bruhl, J.J., Joly, S., Muthaphuli, N., Wilson, K.L. & Muasya, A.M. (2021). Global dispersal and diversification of the genus *Schoenus* (Cyperaceae) from the Western Australian biodiversity hotspot. *J. Syst. & Evol.* 59(4):791–808. DOI: 10.1111/jse.12742

Elliott, T.L., Laidler, G., Muasya, A.M., Muthaphuli, N. & **van Mazijk, R.** (2019). Solving the sedge mystery. *Veld & Flora* 105(3):20–25. (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.* 25(11):1736–1750. 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 & conferences

Presented at IBS[1] ECBC[2]	2021
Presented as candidate at iDiv Online Joint Recruitement Symposium	2020
Best Systematics MSc Presentation at SAAB[3]-AMA[4]-SASSB[5] IVXV[6] (tie)	2019
Innovation Masters Schol. (DST[7]-NRF[8])	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*

Angiosperm diversity	2018–2019, 2022
Data wrangling & manipulation in *R* (*Organised & lead workshop*)	2019
Principles of ecology & evolution	2019–2020
Scientific study design & data analysis in *R*	2017–2020
Teaching Biodiversity for High School Life Science Teachers (SDU[9] short course)	2019
Stat. modelling in *R* (SEEC[10]-ACCESS[11] short course)	2018
Intro. statistics in *R*	2016–2018

Professional affiliations

SASSB council member, student representative	2019–
SASSB student member	2018–
SAAB student member	2017–

Research assistance

Schoenus spp. (Cyperaceae: Schoeneae) collections & growth for Dr T.L. Elliott & Prof A.M. Muasya (UCT)	2018
Mimetes spp. & *Leucospermum* spp. (Proteaceae) population monitoring for Dr J.A. Slingsby (SAEON[12], SEEC)	2017
Legume symbiotic rhizobia collections & culturing for Dr M. Dludlu (University of Swaziland)	2015

---

[1] International Biogeography Society
[2] Early Career Biogeographers Conference
[3] South African Association of Botanists
[4] African Mycological Association
[5] Southern African Society for Systematic Biology
[6] 45th Annual SAAB, AMA & SASSB Joint Congress
[7] Department of Science & Technology (South Africa)
[8] National Research Foundation (South Africa)
[9] UCT Schools Development Unit
[10] UCT Centre for Statistics in Ecology, the Environment & Conservation
[11] DST-NRF Applied Centre for Climate & Earth Systems
[12] South African Environmental Observation Network

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
Prof A.M. Muasya   muthama.muasya@uct.ac.za
A/Prof A.G. West   adam.west@uct.ac.za

Skills & misc.

Skills   *Strong public speaker, visual design, teaching*
Languages   *English, Afrikaans, R, bash*
Tools   *R Markdown, LaTeX, git, GitHub, MS Offce*
Methods   *Stat. modelling, data manipulation, GIS (in R)*