

▪ CURRICULUM VITAE

MICHELLE VAN DER BANK

▪ Personal Details

DATE OF BIRTH: 27 December 1963

PLACE OF BIRTH: Johannesburg, South Africa

NATIONALITY: South African

PHYSICAL ADDRESS: 31 Best Street, Triomf, Johannesburg, South Africa

WORK ADDRESS: Department of Botany and Plant Biotechnology, University of Johannesburg APK Campus, P.O. Box 524, Auckland Park, 2006, South Africa

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▪ Summary Statistics

- PhD obtained = 1999
- *h* index = 26 (Google Scholar); 22 (Scopus) – Accessed on 21 Jul 2018
- NRF rating = C1
- Publications (peer reviewed, ISI accredited) = 86
- Citations = 7 921– Accessed on 21 Jul 2018
- Highest impact factor journals in which papers have been published:
Nature, Impact factor = 36.28; *Proceedings of the National Academy of Sciences of the United States of America*, Impact factor = 9.68; *PLoS Biology*, Impact factor = 11.45;
Journal of Ecology, Impact factor = 5.04
- Conference contributions (national & international) = 134 (Plenary talks = 3)
- Research collaborators:
National = 9; Africa = 6; International = 13
- Students supervised/co-supervised:
Hons students completed = 11; Masters students completed = 18; PhD students completed = 8; Postdoctoral Fellows completed = 5; Hons students in progress = 5; Masters students in progress = 11; PhD students in progress = 6
- Invitations/Seats on national and international bodies:
Representative for Africa - TreeBOL; Founding member of the International Scientific Collaboration Committee, Canada; Member of the Plant Working Group of the

Consortium for the Barcode of Life Project; Member of the steering committee - iBOL-SA; Member of the governance group – Planetary Biodiversity Mission (PBM); Member of the Scientific Advisory Board – Plant.ID (Horizon 2010 – EU framework programme for research and innovations); Member on the executive committee of Global Genome Biodiversity Network (GGBN)

■ Education

Qualification	Year	Institute
BACHELOR OF SCIENCE Biology	1986	Rand Afrikaans University, now University of Johannesburg
BACHELOR OF SCIENCE HONOURS Zoology (Cum Laude);	1987	Rand Afrikaans University, now University of Johannesburg
MASTER OF SCIENCE Zoology	1988	Rand Afrikaans University, now University of Johannesburg
BACHELOR OF SCIENCE HONOURS Biochemistry (Cum Laude)	1992	Rand Afrikaans University, now University of Johannesburg
DOCTOR OF PHILOSOPHY Botany	1999	Rand Afrikaans University, now University of Johannesburg

Ph.D. Thesis Title: “Genetic variation and phylogenetic relationships in the Podalyrieae and related tribes (Fabaceae)”

■ Employment

Year	Institute
1987-1989	Head Histology Laboratory, Rand Afrikaans University, now University of Johannesburg
1990-1991	Technical Assistant, Rand Afrikaans University, now University of Johannesburg
1993	Medical Researcher, Medical University of SA
1994-1995	Senior Technician, University of the Witwatersrand
1996-2001	Lecturer, Rand Afrikaans University, now University of Johannesburg
2002-June 2009	Senior Lecturer, University of Johannesburg
July 2009-Dec 2015	Associate Professor, University of Johannesburg

▪ **Research Collaboration**

National:

- Prof William Bond and Dr Muthama Muasya, Department of Botany, University of Cape Town, South Africa.
- Dr Stephen Boatwright, School of Biology, University of the western Cape, South Africa.
- Dr's John Manning and Anthony Magee, South African National Institute for Biodiversity, Kirstenbosch, South Africa.
- Prof Michelle Hamer and Dr Robert Archer, South African National Institute for Biodiversity, Pretoria, South Africa.
- John Burrows, Buffelskloof Herbarium, Mpumalanga, South Africa.
- Dr Guy Preston, Department of Environmental Affairs, South Africa.

Africa:

- Dr Hosam El-Ansary, Faculty of Agriculture-Shatby, University of Alexandria, Egypt.
- Dr Yasmina Jaufeerally-Fakim, Department of Botany, University of Mauritius, Mauritius.
- Prof Toyin Ogundipe, Department of Botany, University of Lagos, Nigeria.
- Prof Gabriel Ameka, Department of Botany, University of Ghana.
- Meg Coates-Palgrave, Zimbabwe.
- Prof Helen Imafidor, Department of Animal & Environmental Biology, University of Port Harcourt, Nigeria.

International:

- Dr Jonathan Davies, Department of Biology, McGill University, Canada.
- Prof Paul Hebert, Dr Alex Borisenko and Sujeevan Ratnasingham International Barcode of Life Project, University of Guelph, Canada.
- Prof Vincent Savolainen, Imperial College London, UK.
- Prof Hanno Schaefer, Technische Universitaet Muenchen, Germany.
- Dr Damon Little, New York Botanical Garden, USA.

- Prof Pedro Crous and Dr Lorenzo Lombard, CBS Fungal Biodiversity Centre, Netherlands.
- Dr Felix Forest, Royal Botanic Garden, Kew, UK.
- Dr Bruce Maslin, W.A. Herbarium, Western Australia.
- Prof's De-Zhu Li and Tingshuang Yi, Kunming Institute of Botany, Chinese Academy of Sciences, China.
- Prof Pete Hollingsworth, Royal Botanic Gardens Edinburgh.

▪ **Fund Raising & Grants**

- HF Verwoerd Research Trust Grant; PI; Molecular phylogeny of *Babiana* (Iridaceae), January 2003 (1 year)
- NRF Thuthuka Programme; PI; Diversification of species in arid zones, January 2005 (4 years)
- The Darwin Initiative for the Survival of Species (Post-Project); Co-worker; Integrating Evolutionary History and Phylogenetic Measures of Biodiversity in Conservation Planning (South Africa); August 2006 (2 years)
- The European Commission (Marie Curie Early-Stage Research Training Network); Co-worker (14 other partners); Understanding and conserving the Earth's biodiversity hotspots (HOTSPOTS; MEST-CT-2005-020561); November 2005 (4 years)
- The Leverhulme Trust (Academic Interchange Network; Co-worker; Speciation in diversity hotspots: The South Africa flora as a case study F/100 239/Q; January 2004 (4 years)
- The Darwin Initiative for the Survival of Species (Main Project); Co-worker; DNA Banking, phylogeny and conservation of the South African flora; June 2003 (3 years)
- National Research Foundation/Royal Society (Capacity building Grant); Co-PI; Regional patterns of biodiversity and conservation in SA: the flora of the KNP as a case study; Sept. 2007 (5 years)
- The International Development Research Centre (IDRC); Co-worker; The International Barcode of Life Project: engaging developing nations; March 2010 (3 years)
- Natural Resource Management Programme, South Africa; Co-PI; DNA bar-coding of terrestrial and fresh water invasive species in South Africa; March 2011 (1 year)
- Natural Resource Management Programme, South Africa; Co-PI; DNA bar-coding of terrestrial and fresh water invasive species in South Africa; March 2012 (1 year)

- Natural Resource Management Programme, South Africa; Co-PI; DNA bar-coding of terrestrial and fresh water invasive species in South Africa; 2013-2015 (3 years)
- Foundation Biodiversity Information Programme, NRF; PI; A phylogenetic analysis of the origin and assembly of forbs in South African grassy biomes; Aug 2015 (1 year)
- Foundation Biodiversity Information Programme – Accelerated Data Mobilization Grant; PI; Aquatic plants; June 2016 (1 year)
- Knowledge Interchange and Collaboration; PI; 2017
- DST-NRF Conference Fund; PI; 2017
- Additional small grants - Systematic Association, UK Bursary (1999); Lennox Boyd Trust (UK) Grant; 2000

▪ **Special Awards**

1. RAU Faculty of Natural Science Merit Award: Van der Bank M., 1996; Best Junior Researcher.
2. Compton prize for the best article submitted to the S.A. Journal of Botany for 1998.
3. NRF Thuthuka Research Index: Listed in the top 20 Women in Research in 2006.
4. Awarded the Prestigious Royal Society (UK) - National Research Foundation (SA) Grant for 2007-2011.
5. Received NRF Rating Dec. 2010: Category C1 (Established Researchers).
6. Representative for AFRICA for the global Tree-BOL initiative aiming to barcode all trees of the world.
7. Finalist in 2009 for National Science and Technology Forum (NSTF) Awards: Category B – individual through research and its outputs.
8. Founding member of the International Scientific Collaboration Committee (ISCC), Canada.
9. Award for excellent service to the Environmental Management Inspectors (2014 – 2015) awarded by the Department of Environmental Affairs, South Africa
10. Member on the executive committee of Global Genome Biodiversity Network (GGBN)- 2018 to current.
11. Eco-logic Awards 2018 - Bronze award in Biodiversity - LifeScanner: Lab-in-a-Box (Ryan Rattray, Prof Michelle van der Bank, Sujeevan Ratnasingham).

▪ **Student Awards**

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1. Winner of Office of Research Grant Prize (\$1,000) – 6th International Barcode of Life Conference, Canada - Dorcas Lekganyane (Supervisor: **M van der Bank**)
 2. Winner of the best MSc presentation – SASSB 2016 – Dorcas Lekganyane (Supervisor: **M van der Bank**)
 3. Winner of the best PhD presentation – SASSB 2016 – Anifat Bello (Supervisors: **M van der Bank**, JS Boatwright & A Magee)
 4. Winner of the young scientist award – SAAB 2017 – Dorcas Lekganyane (Supervisor: **M van der Bank**)
 5. Winner of the best MSc presentation – SAAB 2017 – Dorcas Lekganyane (Supervisor: **M van der Bank**)
 6. Winner of the best Hons presentation – SAAB 2017 – Ryan Orton (Supervisors: **M van der Bank** & BS Bezeg)
 7. Winner of the DST: Master’s Fellowship for recognition of scientific excellence and research – 2017 – Dorcas Lekganyane (Supervisor: **M van der Bank**)
 8. Winner of Genome award for best oral presentation: socio-economic applications – iBOL 2017 - Dorcas Lekganyane (Supervisor: **M van der Bank**)
 9. Second prize: Genome award for best oral presentation: socio-economic applications – iBOL 2017 – Lethlogonolo Sello (Supervisor: **M van der Bank**)
 10. Inqaba Biotech award for best African presentation at iBOL 2017 - Dorcas Lekganyane (Supervisor: **M van der Bank**)
 11. Separations award for best poster by an African representative at iBOL 2017 – Ross Stewart (Supervisor: **M van der Bank**)
 12. Shared second prize: Genome award for best poster: socio-economic applications at iBOL2017 - Lethlogonolo Sello and Zinhle Manda (Supervisor: **M van der Bank**)
 13. Second prize: Genome prize for best lightning talks at iBOL 2017 – Sanele Shiba (Supervisor: **M van der Bank**)
 14. Second prize poster presentation - 18th Annual Oxford International Conference on Science of Botanicals, USA - Ryan Rattray (Supervisors **M van der Bank** & A Viljoen)
 15. Winner of the best oral presentation - Indigenous Plant Use Forum (IPUF) 21st Annual conference – Ryan Rattray (Supervisors **M van der Bank** & A Viljoen)
 16. Second prize oral presentation - Indigenous Plant Use Forum (IPUF) 21st Annual conference – Estherna Pretorius (Supervisors **M van der Bank** & A Viljoen)

■ Supervision of Post-graduate Students

Supervisor Hons:

1. Ratsoma Francina. DNA barcoding of popular wood traded at the Faraday Traditional Medicinal Market in Johannesburg. Completed: 2015.
2. Lekganyane Dorcas. "Muthi" from the wild: A survey of bulbous and perennial herbs traded at Faraday Traditional Medicinal Market in Johannesburg, South Africa using DNA. Completed: 2015.
3. Shiba Sanele. Exposing the illegal trade in *Encephalartos* species at the Faraday 'muthi' market in South Africa using DNA barcoding. Completed: 2015.
4. Shabangu Khanyisile. Molecular systematics of the genus *Sisyranthus*. Completed: 2016.
5. Orton Ryan. Trade of invasive plants in the aquarium trade. Completed: 2016.
6. Machate Future. DNA barcoding of non-native succulent plants in the horticultural trade industry in South Africa. Completed: 2017.
7. Gama Gugu. Uncovering bark: The use of DNA barcoding to identify unknown bark species illegally traded at the Faraday traditional medicinal market. Completed: 2017.
8. Sello Letlhogonolo. Cracking down on counterfeits: Creating a DNA barcode reference library of commercial herbal products traded in South Africa. Completed: 2017.
9. Mashangoane Moshadi. From TOPS to bottom: Using DNA barcoding to combat the illegal harvest of threatened plant species in South Africa. Completed: 2017.
10. Makhado Tshililo. DNA barcoding and molecular systematics of *Searsia* (Anacardiaceae). Completed: 2017.
11. Manda Zinhle. Unmasking the succulent plant trade at the Faraday traditional medicinal market in Johannesburg, South Africa. Completed: 2017.
12. Stewart Ross. DNA barcoding and systematics of the southern African endemic genus *Gasteria* (Xanthorrhoeaceae). CURRENT.
13. Mamathaba Patience. DNA barcoding - a tool to accelerates rapid biodiversity surveys: Melville Koppies Nature Reserve as a case study. CURRENT.
14. Shilaluke Kolwane Calphonia. DNA barcoding and systematics of the genus *Clutia* (Peraceae). CURRENT.
15. Marengwa Duduzile Thabitha. DNA barcoding and molecular phylogenetics of the economically important indigenous genus *Sceletium* (Aizoaceae). CURRENT.
16. Molia Reabetsoe Christine. DNA barcoding of the species-rich genus *Cyperus* in the Grassland biome of South Africa. CURRENT.

Supervisor MSc:

1. Brand Louise. Genetic variation in Mopanie. Completed: 2001.
2. Moshe Dineo. A biosystematic study of the genus *Sutherlandia*. Completed: 1998 (Cum Laude).
3. Robinson Collette. Molecular phylogenetics of *Lachnaea* (Thymelaeaceae): evidence from plastid and nuclear sequence data. Completed: 2005 (Junior Captain Scott Medal for the best MSc in Botany in 2006 by the Academy of Science in South Africa).
4. Motsi Moleboheng Cynthia. Molecular phylogenetics of the genus *Rafnia* Thunb. (Fabaceae, Crotalariaeae). Completed: 2005 (Cum Laude).
5. Du Toit Nicole. Molecular phylogenetics of *Cyclopia* Vent. and its position within Podalyrieae (Fabaceae). Completed: 2005 (Cum Laude).
6. Boatwright James Stephen. A phylogenetic study of the tribe Podalyrieae (Fabaceae) using sequence data. Completed: 2006 (Cum Laude)
7. Naude Paul. Phylogenetic analysis of Vitaceae based on plastid sequence data. Completed: 2006.
8. Van Niekerk Anemarie. Molecular systematics of *Passerina* (Thymelaeaceae). Completed: 2006.
9. Rautenbach Marline. *Gnidia* L. (Thymelaeaceae) is not monophyletic: Taxonomic implications for *Gnidia* and its relatives in Thymelaeoideae. Completed: 2007.
10. Bezeng Simeon Bezeng. Phylogenetic study of invasion risk and invasion success on Robben Island, South Africa. Completed: 2012 (Cum Laude).
11. Rousseau Philip. Molecular phylogenetics of the African endemic cycads with special emphasis on DNA barcoding. Completed: 2012 (Cum Laude).
12. Daru Barnabas Haruna. DNA barcoding, molecular phylogeny and biogeography of Alooideae based on gene sequence data. Completed: 2012.
13. Mankga Ledile Thabitha. DNA Barcoding Medicinal Plants of South Africa. Completed: 2012. (Cum Laude)
14. Kabongo Ronny. The development of an accurate DNA-based identification tool for traded and protected tree species in Africa: The trees of Sofala province in Mozambique as a case study. Completed: 2014.
15. Mukwevho Phatu. Investigating drivers of extinction risk at regional scale: A case study of the southern African tree flora. Completed: 2014.

16. Hoveka Nakedi Lerato. Invasive alien plants of South Africa's freshwater systems: Accelerating identification of species and climatically suitable areas for species invasion. Completed: 2014. (Cum Laude)
17. Bamigboye Samuel Oloruntoba. Phylogenetic analysis of diversification rate within *Encephalartos*. Completed: 2014. (Cum Laude)
18. Brown Carly. Applications of DNA barcoding in the identification and understanding of grass invasions in southern Africa. Completed: 2015. (Cum Laude)
19. Ramulifho Sydney. Molecular phylogeny of the *Fadogia-Rytigynia* group (Rubiaceae) and closely related genera within Vanguerieae. CURRENT.
20. Matole Onesimo. A study of the Southern African begomovirus pathosystem: determining the diversity of whitefly transmitted geminiviruses (WTG) infecting indigenous plants in South Africa. CURRENT.
21. Ngwenyama Ntshembo. Phylogenetic relationships within the southern African representatives of the three families Capparaceae, Brassicaceae and Cleomaceae. CURRENT.
22. Shiba Sanele. Molecular systematics of the genus *Hypoxis* and related genera within Hypoxidaceae. CURRENT.
23. Lekganyane Dorcas. "Muthi" from the wild: a survey of bulbous and perennial herbs traded at the Faraday traditional medicinal market in Johannesburg, South Africa using DNA barcoding as an identification tool. CURRENT.
24. Rattray Ryan. QC of herbal medicine – DNA barcoding coupled with chemometric modeling. CURRENT.
25. Shabangu Khanyisile. Molecular phylogeny of the southern African endemic genus *Sisyranthus* (Apocynaceae). CURRENT.
26. Niemann Hendrik. A DNA barcoding approach to assess the risk posed by the aquarium trade in the spread of invasive aquatic plants in South Africa. CURRENT.
27. Machate Future. DNA barcoding of native and non-native succulent plants in the horticultural trade industry in South Africa. CURRENT.
28. Sello Letlhogonolo. Cracking down on counterfeits: Creating a DNA barcode reference library of commercial herbal products traded in South Africa. CURRENT.
29. Manda Zinhle. The use of DNA barcoding to identify unknown bark species illegally traded at the Faraday Muthi Market in Johannesburg, South Africa. CURRENT.

Supervisor PhD:

1. Motsi Moleboheng Cynthia. Origin and diversification of the Australian genus *Pimelea* (Thymelaeaceae) inferences from a phylogenetic study based on plastid and nuclear sequence data. Completed: 2009.
2. Maurin Olivier. A molecular phylogenetic study including the age and biogeography of the major clades within Combretaceae. Completed: 2010.
3. Kowiyou Yessoufou. Phylogenetics and functional diversity: the flora of the Kruger National Park as a case study. Completed: 2012.
4. Sethusa Mamadi Theresa. DNA barcoding and a phylogenetic study of scale insects of economic importance to South Africa and its trading partners. Completed: 2014.
5. Gere Jephris. Phylogenetic relationships within subtribe Terminaliinae: Combretaceae. Completed: 2014.
6. Daru Barnabas Haruna. Phylogenetic and evolutionary studies of the family Thymelaeaceae in southern Africa. Completed: 2015.
7. Bezeng Simeon Bezeng. The flora of southern Africa in the context of global change. Completed: 2015.
8. Bello Anifat. A systematic study of *Pteronia* (Asteraceae). Completed: 2017.
9. Kabongo Ronny. Evolution and diversification of forbs in the grassy biome of southern Africa. CURRENT.
10. Williamson Janice. Molecular phylogeny and DNA barcoding of Africa cycads. CURRENT.
11. Bester Pieter. A phylogenetic study of selected genera within Apocynaceae. CURRENT.
12. Pretorius Estherna. QC of herbal medicine – DNA barcoding coupled with chemometric modeling. CURRENT.
13. Hoveka Lerato. Development of climate change based integrated strategies for the conservation of South Africa's endemic flora. CURRENT.
14. Malomo Dorcas Oluwayemisi. Molecular systematics of the family Thymelaeaceae. CURRENT.

Supervisor Post-Doctoral Fellows:

1. Lahaye Renaud, France. Completed.
2. Duthoit Sylvie, France. Completed.
3. Maurin Olivier, France. Completed.
4. Yessoufou Kowiyou, Benin. Completed.
5. Bezeng, Simeon Bezeng. Completed.

■ Publications

1. Daru BH, **Van der Bank M**, Davies TJ. 2018. Unravelling the evolutionary origins of biogeographic assemblages. *Diversity and Distributions* 24: 313-324.
2. Farrell MJ, Govender D, Hajibabaei M, Berrang-Ford L, **Van der Bank M**, Davies TJ. Bacterial diversity in the waterholes of the Kruger National Park: an eDNA metabarcoding approach. *Genome* (Accepted).
3. Li H-T, Yi T-S, Gao L-M, Ma P-F, Zhang T, Yang J-B, Gitzendanner MA, Fritsch PW, Cai J, Luo Y, Wang H, **Van der Bank M**, Zhang S-D, Wang Q-F, Wang J, Zhang Z-R, Fu C-N, Yang J, Hollingsworth PM, Chase MW, Soltis DE, Soltis PS, Li D-Z. Darwin's abominable mystery and the Jurassic angiosperm gap. *Science Advances* (Submitted).
4. Davies TJ, Daru BH, Bezeng BS, Charles-Dominique T, Hempson GP, Kabongo RM, Maurin O, Muasya AM, **Van der Bank M**, Bond WJ. –Savanna tree evolutionary ages inform the reconstruction of the paleoenvironment of our hominin ancestors. *Science Advances* (Submitted).
5. Maas PJM, Baas P, Christenhusz MJM, Clarkson JJ, Koek-Noorman J, Mennega AMW, Tokuota T, **Van der Bank M**, Van der Ham RWJM, Van Marle EJ, Westra LYTh, Chase MW. The perplexing “unknown yellow”: *Pibiria*, a new genus of Passifloraceae with a mixture of features found in Passifloroideae and Turneroideae. *Botanical Journal of the Linnean Society* (Submitted).
6. Yessoufou K, **Van der Bank M**, Bezeng BS. Phylogenetically diverse native systems are more resilient to invasive plant species on Robben Island, South Africa. *Genome* (Submitted).
7. Adamowicz SJ, Hollingsworth PM, Ratnasingham S, **Van der Bank M**. 2017. International Barcode of Life: Focus on big biodiversity in South Africa. *Genome* 60: 875-879.
8. Bello AO, Boatwright JS, Tilney PM, **Van der Bank M**, Magee AR. 2017. A taxonomic revision of the *Pteronia camphorata* group (Asterea, Asteraceae). *South African Journal of Botany* 113: 277-287.
9. Terra V, Garcia FCP, de Queiroz LP, **Van der Bank M**, Miller JT. 2017. Phylogenetic Relationships in *Senegalia* (Leguminosae-Mimosoideae) Emphasizing the South American Lineages. *Systematic Botany* 42(3): 458-464.
10. Bezeng SB, Morales-Castilla I, **Van der Bank M**, Yessoufou K, Daru BH, Davies TJ. 2017. Climate change may reduce the spread of non-native and invading species in South Africa. *Ecosphere* 8: e01694.

11. Bezeg BS, Davies TJ, Daru BH, Yessoufou K, Kabongo RM, Orton R, Maurin O, Van der Bank H, **Van der Bank M**. 2017. Ten years of DNA barcoding at the African Centre for DNA barcoding. *Genome* doi: 10.1139/gen-2016-0198.
12. Daru BH, **Van der Bank M**, Bello A, Yessoufou K. 2017. Testing the reliability of the standard and complementary DNA barcodes for the monocot subfamily Alooideae from South Africa. *Genome* 60 (4): 337-347.
13. Maurin O, Gere J, Boatwright JS, **Van der Bank M**. 2017. The inclusion of *Anogeissus*, *Buchenavia* and *Pteleopsis* in *Terminalia* (Terminaliinae, Combretaceae). *Botanical Journal of the Linnean Society* 184: 312-325.
14. Boatwright JS, **Van der Bank M**, Magee AR, Manning JC. 2017. Transfer of the Madagascan species of *Gnidia* to *Lasiosiphon* (Thymelaeaceae: Thymelaeoideae). *South African Journal of Botany* 112: 336-337.
15. Williamson J, Maurin O, Shiba SNS, Van der Bank H, Pfab M, Pilusa M, Kabongo RM, **Van der Bank M**. 2016. Exposing the illegal trade in *Encephalartos* species at the Faraday and Warwick traditional medicine markets in South Africa using DNA barcoding. *Genome* 59 (9): 771-781.
16. Maurin O, Muasya AM, Catalan P, Shongwe EZ, Viruel J, Wilkin P, **Van der Bank M**. 2016. Diversification into novel habitats in the southern African clade of *Dioscorea* (Dioscoreaceae): erect habit and elephant's foot tubers. *BMC Evolutionary Biology* 16:238.
17. Charles-Dominique T, Davies TJ, Hempson GP, Bezeg BS, Daru BH, Kabongo RM, Maurin O, Muasya AM, **Van der Bank M**, Bond WJ. 2016. Spiny plants, mammal browsers and the origin of African savannas. *Proceedings of the National Academy of Sciences of the United States of America* 113: E5572–E5579.
18. Hollingsworth PM, Li D-H, **Van der Bank M**, Twyford AD. 2016. Telling plant species apart with DNA: from barcodes to genomes. *Philosophical Transactions of the Royal Society B* 20150338. doi.org/10.1098/rstb.2015.0338.
19. Hoveka LH, Bezeg SB, Yessoufou K, Boatwright JS, **Van der Bank M**. 2016. Effects of climate change on the future distributions of the top five freshwater aquatic invasive plants in South Africa. *South African Journal of Botany* 102: 33-34.
20. Hoveka LH, **Van der Bank M**, Boatwright JS, Bezeg SB, Yessoufou K. 2016. The noncoding *trnH-psbA* spacer, as an effective DNA barcode for aquatic freshwater plants, reveals prohibited invasive species in aquarium trade in South Africa. *South African Journal of Botany* 102: 208-216.
21. Davies TJ, Daru BH, **Van der Bank M**, Maurin O, Bond WJ. 2016. Multiple routes

- underground? Frost alone cannot explain the evolution of underground trees. *New Phytologist* 209: 910-912.
22. Daru, BH, **Van der Bank M**, Maurin O, Yessoufou K, Schaefer H, Slingsby JA, Davies TJ. 2016. A novel phylogenetic regionalization of phytogeographical zones of southern Africa reveals their hidden evolutionary affinities. *Journal of Biogeography* 43(1): 155-166. doi: 10.1111/jbi.12619.
 23. Adamowicz SJ, Chain FJJ, Clare EL, Deiner K, Dinca V, Elías-Gutiérrez M, Hausmann A, Hogg ID, Kekkonen M, Lijtmaer DA, Naum A, Steinke D, Valdez-Moreno M, **Van der Bank M**, Wilson J-J, Xu J. 2016. From Barcodes to Biomes: Special Issues from the 6th International Barcode of Life Conference. *Genome* 59(9): v-ix, 10.1139/gen-2016-0159.
 24. Gere J, Yessoufou K, Daru BH, Maurin O, **Van der Bank M**. 2015. African continent a likely origin of family Combretaceae (Myrtales): A biogeographical view. *Annual Research and Review in Biology* 8(5): 1-20.
 25. Bello A, Daru BH, Stirton CH, Chimpango SBM, **Van der Bank M**, Maurin O, Muasya AM. 2015. DNA barcodes reveal microevolutionary signals in fire response trait in two legume genera. *AoB PLANTS* 7: plv124.
 26. Boatwright JS, Maurin O, **Van der Bank M**. 2015. Phylogenetic position of Madagascan *Acacia* s.l. species and new combinations in *Senegalia* and *Vachellia* (Leguminosae, Mimosoideae, Acacieae). *Botanical Journal of the Linnean Society* 179: 288-294.
 27. Bezeng SB, Davies TJ, Yessoufou K, Maurin O, **Van der Bank M**. 2015. Revisiting Darwin's naturalization conundrum: explaining invasion success of non-native trees and shrubs in southern Africa. *Journal of Ecology* 103: 871-879.
 28. Manning JC, Boatwright JS, Daru BH, Maurin O, **Van der Bank M**. 2014. A phylogenetic classification of Asphodelaceae subfamily Alooideae: towards a resolution of the prickly issue of polyphyly in *Haworthia*. *Systematic Botany* 39: 55-74.
 29. Daru BH, **Van der Bank M**, Davies TJ. 2014. Spatial incongruence among hotspots and complementary areas of tree diversity in southern Africa. *Diversity and Distributions* 21: 769-780.
 30. Sethusa MT, Millar IM, Yessoufou K, Jacobs A, **Van der Bank M**, Van der Bank FH 2014. DNA barcode efficacy for the identification of economically important scale insects (Hemiptera: Coccoidea) in South Africa. *African Entomology* 22: 257–266.
 31. Yessoufou K, Bamigboye SO, Daru BH, **Van der Bank M** 2014. Evidence of constant diversification punctuated by a mass extinction in the African cycad. *Ecology and Evolution* 4: 50-58.

32. Yessoufou K, Gere J, Daru BH, **Van der Bank M** 2014. Differences in evolutionary history translate into differences in invasion success of alien mammals in South Africa. *Ecology and Evolution* 44: 2115-2123.
33. Maurin O, Davies TJ, Burrows JE, Daru BH, Yessoufou K, Muasya AM, **Van der Bank M**, Bond WJ 2014. Savanna fire and the origins of the “underground forests” of Africa. *New Phytologist* 204: 201-214.
34. Crous PW, Shivas RG, Quaedvlieg W, **Van der Bank M**, Zhang Y, Summerell BA, Guarro J, Wingfield MJ, Wood AR, Alfenas AC, Braun U1, Cano-Lira JF, García D, Marin-Felix Y, Alvarado P, Andrade JP, Armengol J, Assefa A, den Breeÿen A, Camele I, Cheewangkoon R, De Souza JT, Duong TA, Esteve-Raventós F, Fournier J, Frisullo S, García-Jiménez J, Gardiennet A, Gené J, Hernández-Restrepo M, Hirooka Y, Hospenthal DR, King A, Lechat C, Lombard L, Mang SM, Marbach PA, Marincowitz S, Marin-Felix Y, Montaña-Mata NJ, Moreno G, Perez CA, Pérez Sierra AM, Robertson JL, Roux J, Rubio E, Schumacher RK, Stchigel AM, Sutton DA, Tan YP, Thompson EH, van der Linde E, Walker AK, Walker DM, Wickes BL, Wong PT, Groenewald JZ. 2014. Fungal Planet description sheets: 214-280. *Persoonia* 32: 184-306.
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■ Popular Articles

1. Boatwright JS, **Van der Bank M**, Maurin O. Name changes in African Acacia species. *Veld & Flora*, March 2014, volume 100, page 33.
2. Lekganyane DM, Van der Bank H, **Van der Bank M**. Survey of traditional medicinal bulbs traded at a street market. *Barcoding Bulletin*, Oct 2015: 6(3): 15-16.

3. Williamson J, Van der Bank H, Kabongo RM, **Van der Bank M**. Cycads tracked through DNA barcodes. *Veld & Flora*, June 2016, volume 102(2), pages 68-70.
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■ Scientific Conferences

1. **Van der Bank M**. Barcoding at the African Centre for DNA barcoding. 7th International Barcode of Life Conference, Kruger National Park, Skukuza, South Africa, Nov 2017. **[Plenary Speaker]**
2. Bello AO, Boatwright JS, Tilney PM, Bergh N, **Van der Bank M**. The Cape gum bushes: taxonomy and diversification of *Pteronia* (Asteraceae). 7th International Barcode of Life Conference, Kruger National Park, Skukuza, South Africa, Nov 2017. **[Genome 60:912]**
3. Bester SP, **Van der Bank M**, Nicholas A. Towards a phylogeny in the *Schizoglossum* complex and its allies (Apocynaceae: Asclepiadoideae). 7th International Barcode of Life Conference, Kruger National Park, Skukuza, South Africa, Nov 2017. **[Genome 60:913]**
4. Bezeng SB, Yessoufou K, Hoveka L, Boatwright JS, **Van der Bank M**. Managing the freshwater native and non-native flora of South Africa using DNA barcoding. 7th International Barcode of Life Conference, Kruger National Park, Skukuza, South Africa, Nov 2017. **[Genome 60:913]**
5. Bond WJ, **Van der Bank M**, Bezeng BS, Charles-Dominique T, Daru BH, Davies TJ, Hempson G, Maurin O, Muasya M, Kabongo RM. Dating African savannas. 7th International Barcode of Life Conference, Kruger National Park, Skukuza, South Africa, Nov 2017. **[Genome 60:914]**
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■ **Marketing and Media Coverage**

1. Cheringoma Herbarium - Online setup of an online Herbarium for the Tree collections of Meg Coates-Palgrave.
<http://acdb.co.za/index.php/cheringoma-herbarium/introduction.html>
2. Media coverage of project at the African Centre for DNA barcoding via South African National TV, National and regional printed press, and the web.
See all media coverage since 2006: <http://acdb.co.za/index.php/publications-press/publications.html>