

**- CURRICULUM VITAE**

**MICHELLE VAN DER BANK**

## ▪ Personal Details

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**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

**CONTACT DETAILS:** Tel: +27 (0)11 559 2495 | Fax: +27 (0)11 559 2411 | Mobile: +27 (0)82 837 5567  
email: [mvdbank@uj.ac.za](mailto:mvdbank@uj.ac.za)  
website: <http://www.acdb.co.za>

## ▪ Summary Statistics

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- PhD obtained = 1999
- *h* index = 14
- NRF rating = C1
- Publications (peer reviewed, ISI accredited) = 45
- Citations (excluding own citations, October 2012) = 2 339
- 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
- Research collaborators:  
National institutes = 8; International institutes = 12
- Students supervised/co-supervised:  
Masters students completed = 13; PhD students completed = 3; Postdoctoral Fellows completed = 3; Masters students in progress = 7; PhD students in progress = 9; Postdoctoral Fellows in progress = 1
- 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; Part of the leading lab's network of CBOL.

## ■ Education

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<b>Qualification</b>	<b>Year</b>	<b>Institute</b>
BACHELOR OF SCIENCE Biology	1985	Rand Afrikaans University, now University of Johannesburg
BACHELOR OF SCIENCE HONOURS Zoology (Cum Laude);	1986	Rand Afrikaans University, now University of Johannesburg
MASTER OF SCIENCE Zoology	1987	Rand Afrikaans University, now University of Johannesburg
BACHELOR OF SCIENCE HONOURS Biochemistry (Cum Laude)	1993	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

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<b>Year</b>	<b>Institute</b>
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-current	Associate Professor, University of Johannesburg

## ▪ **Special Awards**

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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. 2007: Category C2 (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.

## ▪ **Research Collaboration**

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### **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. Stefan Siebert, AP Goosen Herbarium, North-West University, South Africa.
- Dr Robert Archer, South African National Institute for Biodiversity, Pretoria, South Africa.
- Prof. Braam van Wyk, University of Pretoria, South Africa.
- Dr Guy Preston, Department of Environmental Affairs, South Africa.
- Dr Jaco le Roux, DST-NRF Centre for Invasion Biology, South Africa.

### **International:**

- 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.
- Dr Jonathan Davies, Department of Biology, McGill University, Canada.
- Prof. Paul Hebert and Dr's Alex Borisenko and Maria Kuzmina, 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.
- Prof. Mark Chase and Dr Felix Forest, Royal Botanic Garden, Kew, UK.
- Dr Bruce Maslin, W.A. Herbarium, Western Australia.
- Dr David Schindel, Smithsonian Institute, Washington, USA.

## ▪ **Fund Raising & Grants**

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<b>Funding body and scheme</b>	<b>HF Verwoerd Research Trust Grant</b>
Project responsibility, topic, start date and duration	PI; Moleucular phylogeny of Babiaba (Iridaceae), January 2003 (1 year)
Value	R80 000
<b>Funding body and scheme</b>	<b>NRF Thuthuka Programme</b>
Project responsibility, topic, start date and duration	PI; Diversification of species in arid zones, January 2005 (4 years)
Value	
<b>Funding body and scheme</b>	<b>The Darwin Initiative for the Survival of Species (Post-Project)</b>
Project responsibility, topic, start date and duration	Co-worker; Integrating Evolutionary History and Phylogenetic Measures of Biodiversity in Conservation Planning (South Africa); August 2006 (2 years).

Value	£98,297
<b>Funding body and scheme</b>	<b>The European Commission (Marie Curie Early-Stage Research Training Network)</b>
Project responsibility, topic, start date and duration	Co-worker (14 other partners); Understanding and conserving the Earth's biodiversity hotspots (HOTSPOTS; MEST-CT-2005-020561); November 2005 (4 years)
Value	1,661,477 euros
<b>Funding body and scheme</b>	<b>The Leverhulme Trust (Academic Interchange Network:</b>
Project responsibility, topic, start date and duration	Co-worker; Speciation in diversity hotspots: The South Africa flora as a case study F/100 239/Q; January 2004 (4 years)
Value	£108,520
<b>Funding body and scheme</b>	<b>The Darwin Initiative for the Survival of Species (Main Project)</b>
Project responsibility, topic, start date and duration	Co-worker; DNA Banking, phylogeny and conservation of the South African flora; June 2003 (3 years)
Value	£116,187
<b>Funding body and scheme</b>	<b>National Research Foundation/Royal Society (Capacity building Grant)</b>
Project responsibility, topic, start date and duration	Co-PI; Regional patterns of biodiversity and conservation in SA: the flora of the KNP as a case study; Sept. 2007 (5 years)
Value	R350 000 per year
<b>Funding body and scheme</b>	<b>The International Development Research Centre (IDRC)</b>
Project responsibility, topic, start date and duration	Co-PI; The International Barcode of Life Project: engaging developing nations; March 2010 (3 years)
Value	R175 000 per year

<b>Funding body and scheme</b>	<b>Natural Resource Management Programme, South Africa</b>
Project responsibility, topic, start date and duration	Co-PI; DNA bar-coding of terrestrial and fresh water invasive species in South Africa; March 2011 (1 year)
Value	1 million rand
<b>Funding body and scheme</b>	<b>Natural Resource Management Programme, South Africa</b>
Project responsibility, topic, start date and duration	Co-PI; DNA bar-coding of terrestrial and fresh water invasive species in South Africa; March 2012 (1 year)
Value	2 million rand
<b>Additional small grants</b>	<b>Systematic Association, UK, Bursary (1999)</b> <b>Lennox Boyd Trust (UK) Grant (2000)</b>

## ■ **Supervision of Post-graduate Students**

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### **Supervisor MSc:**

1. Brand Louise. Genetic variation in *Mopanie*. Completed: 2001.
2. Moshe Dineo. 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: 2013.
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. (CURRENT).
15. Kyalangalilwa Lububi Bruce. Evolutionary history and biogeography of African acacias. (CURRENT).
16. Hoveka Lerato. A combined analysis of DNA barcodes, morphology and ecology of invasive aquatic plants in South Africa. (CURRENT).
17. Brown Carly. Applications of DNA barcoding in the identification and understanding of grass invasions in South Africa. (CURRENT).
18. Bamigboye Samuel. Phylogenetic analysis of diversification rate within the genus *Encephalartos*. (CURRENT).
19. Pathu Correlates of extinction risk in southern African flora. (CURRENT).
20. Mudau Ndivhuwo. Are phenology and extinction risk linked in regional floras? A test using the southern African flora as a case study. (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. CURRENT.
5. Gere Jephris. Phylogenetic relationships within subtribe Terminaliinae: Combretaceae. CURRENT.
6. Daru Barnabas Haruna. Phylogenetic and evolutionary studies of the family Thymelaeaceae in southern Africa. CURRENT.
7. Bezeng Simeon Bezeng. The flora of southern Africa in the context of global change. CURRENT.
8. Mankga Ledile Thabitha. Molecular phylogeny of Thymelaeaceae. CURRENT.
9. Bello Anifat. A systematic study of *Pteronia* L. (Asteraceae). CURRENT.
10. Pieter Bester Pieter. Molecular systematic of Apocynaceae. CURRENT.
11. Iheanacho Henry. DNA barcoding and chemical analyses of the top 100 medicinal plants in southern Africa. (CURRENT)
12. Williamson Janice. Molecular systematic study of *Encephalartos* and its forensic applications. CURRENT.

#### Supervisor Post Doctoral Fellows:

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

## ■ Publications

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1. Yessoufou K, Davies TJ, Maurin O, Kuzmina M, Schafer H, **Van der Bank M**, Savolainen V. 2013. Extinction of large herbivores will impact plant community structure and reduce species diversity. *J. Ecol.* DOI: 10.1111/1365-2745.12059.
2. Daru BH, Manning JC, Boatwright JS, Maurin O, Maclean N, Kuzmina M, **Van der Bank M**. 2013. Molecular and morphological analysis of subfamily Alooideae (Asphodelaceae) and the inclusion of *Chortolirion* A.Berger in *Aloe* L. *Taxon*.
3. Kyalangalilwa B , Boatwright JS, Daru BH, Maurin O, **Van der Bank M**. 2013. Phylogenetic position and revised classification of the African *Acacia* species (Fabaceae: Mimosoideae). *Linn. Soc.*

4. Nzeako SO, Yessoufou K, **Van der Bank M**, Imafidor HO. 2013. Testing impacts of endoparasitic nematode *Meloidogyne javanica* on crop productivity, using tomato cultivar “Gboko” as a case study in Nigeria. *International Journal of Plant Breeding and Crop Science Research* 1(1): 1-9.
5. Yessoufou K, **Van der Bank M**, Abalaka J, Daru BH. 2012. Fig-frugivore interactions follow a constrained Brownian motion model of evolution in an Important Bird Area, West Africa. *Isr. J. Ecol. Evol.* (In Press).
6. Davies TJ, Smith GF, Bellstedt DU, Boatwright JS, Bytebier B, Cowling RM, Forest F, Harmon LJ, Muasya AM, Schrire B, Steenkamp Y, **Van der Bank M**, Savolainen V. 2011. Extinction Risks in Plants. *PLoS Biology* 9(5): e1000620. doi:10.1371/journal.pbio.1000620.
7. Maurin O, Van Wyk AE, Jordaan M, **Van der Bank M**. 2011. A new species of *Combretum* section *Ciliatipetala* (Combretaceae) from southern Africa, with a key to the regional members of the section. *SA J. of Bot.* 77: 105–111.
8. Bouchenak-Khelladi Y, Maurin O, Hurter J, **Van der Bank M**. 2010. The evolutionary history and biogeography of Mimosoideae (Leguminosae): an emphasis on African acacias. *Mol. Phyl. & Evol.* 57(2): 495-508.
9. Maurin O, Chase MW, Jordaan M, **Van der Bank M**. 2010. Phylogenetic relationships of Combretaceae inferred from nuclear and plastid DNA sequence data: implications for infrafamilial classification. *Linn. Soc.* 162: 453–476.
10. Motsi CM, Moteetee AN, Beaumont AJ, Rye BL, Savolainen V, **Van der Bank M**. 2010. The generic delimitation of *Pimelea* and *Thecanthes* (Thymelaeaceae): evidence from plastid and nuclear ribosomal sequence data. *Aust. Syst. Bot.* 23: 270-284.
11. Beaumont AJ, Edwards TJ, Manning J, Maurin O, Rautenbach M, Motsi MC, Fay MF, Chase MW, **Van der Bank M**. 2009. *Gnidia* L. (Thymelaeaceae) is not monophyletic: Taxonomic implications for *Gnidia* and a partial new generic taxonomy for *Gnidia*. *Linn. Soc.* 160(4): 202-417.
12. CBOL Plant Working Group, Hollingsworth PM, Forrest LL, Spouge JL, Hajibabaei M, Ratnasingham S, **Van der Bank M**, Chase MW, Cowan RS, Erickson DL, Fazekas AJ, Graham SW, James KE, Kim K–J, Kress WJ, Schneider H, van Alphen Stahl J, Barrett SCH, van den Berg C, Bogarin D, Burgess KS, Cameron KM, Carine M, Chacón J, Clark AC, Conrad F, Devey D, Clarkson J, Ford CS, Hedderson TAJ, Hollingsworth ML, Husband BC, Kelly LJ, Kesanakurti PR, Kim JS, Kim, YD, Lahaye R, Lee H–L, Long DG, Madriñán S, Maurin O, Meusnier I, Newmaster SG, Park C–W, Percy DM, Petersen G,

- Richardson JE, Salazar GA, Savolainen V, Seberg O, Wilkinson MJ, Yi D-K, Little DP. 2009. Botanists Recommend a DNA Barcode for Land Plants. *PNAS* 0 July 2009, 10.1073/pnas.0905845106.
13. Lahaye R, Savolainen V, Duthoit S, Maurin O, **Van der Bank M**. 2008. A test of *psbK-psbI* and *atpF-atpH* as potential plant DNA barcodes using the flora of the KNP as a model system (South Africa). *Nature Preceedings:hd1:10101/npre.2008.1896.1*.
  14. Lahaye R, **Van der Bank M**, Bogarin D, Warner J, Pupulin F, Gigot G, Maurin O, Duthoit S, Barraclough TG, Savolainen V. 2008. DNA barcoding the floras of biodiversity hotspots. *Proceedings of the National Academy of Sciences of the United States of America*, 10.1073/pnas.0709936105 (Ecology).
  15. Boatwright JS, Savolainen V, Van Wyk B-E, Schutte-Vlok A, **Van der Bank M**. 2007. The enigmatic genus *Cadia*: An example of reversal to actinomorphy in legumes and the phylogeny of Podalyrieae. *Syst. Bot.* 33(1): 133-147.
  16. Magee AR, Van Wyk B-E, Tilney PM, **Van der Bank M**. 2008. The genus *Arctopus* (Apiaceae) Morphological variation and phylogenetic relationships. *Ann. Missouri Bot. Gard.* 95: 475-490.
  17. Bouchenak-Khelladi Y, Salamin N, Savolainen V, Forest F, **Van der Bank M**, Chase MW, Hodkinson TR. 2008. Large multi-gene phylogenetic trees of the grasses (Poaceae): impacts of taxon sampling and missing data. *Mol. Phyl. & Evol.* 47: 488-505.
  18. Goldblatt P, Rodriguez A, Powell MP, Davies TJ, Manning JC, **Van der Bank M**, Savolainen V. 2008. Iridaceae 'Out of Austrasia'? Phylogeny, biogeography, and divergence time based on plastid DNA sequences. *Syst. Bot.* 33: 495-508.
  19. Forest F, Grenyer R, Mathieu Rouget M, Davies TJ, Cowling RM, Faith DP, Balmford A, Manning JC, Proches S, **van der Bank M**, Reeves G, Terry A. J. Hedderson TAJ, Savolainen V. 2007. Preserving the evolutionary potential of floras in biodiversity hotspots. *Nature* 15 February 2007.
  20. Le Roux MM, Van Wyk B-E, Van der Bank M. 2007. A taxonomic study of the type section *Lebeckia* Thunb. (Fabaceae, Crotalarieae). *SA. J. Bot.* 73(2): 297.
  21. Pillon Y, Fay MF, Hedrén M, Devey DS, Shipunov A, **Van der Bank M**, Bateman RM, Chase MW. 2007. Evolution and temporal diversification of western European polyploid species complexes in *Dactylorhiza* (Orchidaceae). *Taxon* 56: 1185-1208.
  22. Goldblat P, Davies TJ, Manning JC, **Van der Bank M**, Savolainen V. 2006. Phylogeny of Iridaceae subfamily Crocoideae based on a combined multigene plastid DNA

- analysis. Pp. 399-411, in Columbus JT, Friar EA, Porter JM, Prince LM, Simpson MG. (eds), *Monocots: Comparative Biology and Evolution. Excluding Poales*. Rancho Santa Ana Botanical Garden, Claremont, Ca. [Aliso 22: 399-411.]
23. Vorster P, Van der Bank FH, **Van der Bank M**. 2004. Phylogeny of *Encephalartos*: Some Eastern Cape species. *Botanical Review* 70 (2): 250-259.
  24. Wurdack KJ, Hoffman P, Samuel R, de Bruijn A, **Van der Bank M**, Chase MW. 2004. Molecular phylogenetic analysis of Phyllanthaceae using plastid *rbcL* DNA sequences. *Amer. J. Bot.* 91: 1882-1900.
  25. Villoen L, Van der Bank FH, **Van der Bank M**, Grobler JP, Wessels D. 2003. Allozyme variation in five populations of mopane, *Colophospermum mopane* (Fabaceae). *SA. J. Bot.* 69(3): 282-286.
  26. **Van der Bank M**, Fay MF, Chase MW. 2002. Molecular phylogenetics Thymelaeaceae with particular reference to African and Australian species. *Taxon*. 51: 329-339.
  27. **Van der Bank M**, Van Wyk B-E, Chase MW, Fay MF, Van der Bank FH, Hulme A. 2002. Systematics of the tribe Podalyrieae (Fabaceae) based on DNA, morphological and chemical data. *Bot. J. Linn. Soc.* 139: 159-170.
  28. Van der Bank FH, **Van der Bank M**, Van Wyk B-E. 2001. A review of the use of allozyme electrophoresis in plant systematics. *Biochem. Syst. Ecol.* 29: 469-483.
  29. Van der Bank FH, Wink M, Vorster P, Treulien J, Brand L, **Van der Bank M**, Hurter J. 2001. Little allozymic and DNA sequence differentiation between nine *Encephalartos* species. *Biochem. Syst. Ecol.* 29: 241-266.
  30. Fay MF, Bremer B, Prance, GT, **Van der Bank M**, Bridson D, Chase MW. 2000. Plastid *rbcL* sequence data show *Dialypetalanthus* to be a member of Rubiaceae. *KEW Bull.* 55: 853-864.
  31. Savolainen V, Chase MW, Fay MF, **Van der Bank M**, Powell M, Albach DC, Weston P, Backlund A, Johnson SA. 2000. Phylogeny of the Eudicots: A nearly complete familial analysis based on *rbcL* gene sequences. *Kew Bull.* 55: 257-309.
  32. Van der Bank FH, **Van der Bank M**, Balkwill M-J, Balkwill K. 2000. Biochemical genetic evidence in support of an undescribed species of *Barleria* L. *SA. J. Bot.* 66(1): 22-27.
  33. Moshe D, Van der Bank FH, **Van der Bank M**, Van Wyk B-E. 1998. Lack of genetic differentiation between 19 populations from seven taxa of *Sutherlandia* (Tribe: Galegeae, Fabaceae). *Biochem. Syst. Ecol.* 26: 595-609.
  34. Van der Bank FH, Vorster P, **Van der Bank M**. 1998. Phylogenetic relationships based

- on allozyme data, between six cycad taxa indigenous to South Africa. *SA. J. Bot.* 64(3): 182-188.
35. Makhuvha N, Van Wyk B-E, Van der Bank FH, **Van der Bank M**. 1997. Genetic polymorphism in wild and cultivated *Siphonochilus aetiopicus* (Zingiberaceae). *Biochem. Syst. Ecol.* 25(4): 343-351.
  36. Schubert TR, Van Wyk B-E, Van der Bank FH, **Van der Bank M**. 1996. Morphological and biochemical genetic evidence for hybridization in the genus *Centella* (Apiaceae), with notes on phylogenetic and taxonomic implications. *Bothalia* 26(2): 167-175.
  37. Van der Bank FH, Van Wyk B-E, **Van der Bank M**. 1996. Genetic variation within and geographical relationships between four wild populations of *Virgilia oroboides* (tribe Podalyrieae, Fabaceae). *Biochem. Syst. Ecol.* 24(2): 135-143.
  38. **Van der Bank M**, Van der Bank FH, Van Wyk B-E. 1996. Speciation in *Virgilia* (Fabaceae): Allopatric divergence followed by introgression? *Pl. Syst. Evol.* 201: 57-73.
  39. Viljoen AM, Van Wyk B-E, Van der Bank FH, Smith GF, **Van der Bank M**. 1996. A biochemical and chemical evaluation of the species concept of *Aloe candelabrum* (Aloaceae). *Taxon.* 45(3): 461-471.
  40. Van der Bank FH, **Van der Bank M**. 1995. An estimate of the amount of genetic variation in the snoutfish *Marcusenius macrolepidotus* (Peters, 1852). *Water S.A.* 21(3): 265-268.
  41. Van der Bank FH, **Van der Bank M**. 1995. Enzyme polymorphism in the freshwater mussel species, *Aspatharia pfeifferiana* (Mollusca, Lamellibranchiata) from southern Africa. *Anim. Genet.* 26: 31-35.
  42. Van der Bank FH, **Van der Bank M**, Van Wyk B-E. 1995. Allozyme variation in *Virgilia oroboides* (tribe Podalyrieae, Fabaceae). *Biochem. Syst. Ecol.* 23(1): 47-52.
  43. Van der Bank FH, Van Wyk B-E, **Van der Bank M**. 1995. Genetic variation in two economically important *Aloe* species (Aloaceae). *Biochem. Syst. Ecol.* 23(3): 251-256.
  44. **Van der Bank M**, Van Wyk B-E, Van der Bank FH. 1995. Biochemical genetic variation in four wild populations of *Aspalathus linearis* (Rooibos tea). *Biochem. Syst. Ecol.* 23(3): 257-262.
  45. **Van der Bank M**, Basson L, Van As JG. 1989. A new species of *Trichodina* (Ciliophora: Peritrichia) from the urinary bladder of *Bufo gutturalis* Power, 1927. *S.A.J. Zool.* 24 (4): 270-273.

## ▪ Scientific Conferences

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1. **Van der Bank M**, Hebert P. International Barcode of Life Project - Developments in Biodiversity Science. OECD Workshop, Stellenbosch, 9-10 March 2013.
2. Maurin O, **van der Bank M**. Barcoding and Biodiversity Research at the ACDB. Workshop on DNA barcoding, South African Institute for Aquatic Biodiversity (SAIAB), Grahamstown 13-15 May 2013.
3. Maurin O, Davies TJ, Yessoufou K, Muasya MA, Burrows J, **van der Bank M**, Bond W. A case example of using DNA barcode data: Investigating the origins of the “underground forests” of Africa”. Workshop on DNA barcoding, South African Institute for Aquatic Biodiversity (SAIAB), Grahamstown, 13-15 May 2013.
4. Kabongo R, Maurin O, Boatwright JS, Muasya M, **Van der Bank M**. DNA Barcoding of southern Africa Legumes – with special emphasis on tree species. Sixth International Legume Conference, “Towards a new classification system for legumes”, UJ, 6-11 Jan 2013.
5. Kyalangalilwa B, Boatwright JS, Daru BH, Maurin O, **Van der Bank M**. Phylogenetic position and revised classification of *Acacia* s. l. (Fabaceae: Mimosoideae) in Africa, including new combinations in *Vachellia* and *Senegalia*. Sixth International Legume Conference, “Towards a new classification system for legumes”, UJ, 6-11 Jan 2013.
6. Komape DM, Mabe LI, Siebert SJ, Struwig M, Sethusa TM, Maurin O, **Van der Bank M**. DNA Barcoding Invasive Species of South Africa: Alien invasive plants of the North-West Province. 39<sup>th</sup> Conference of the South African Association of Botanists, Drakensville, 20-24 Jan 2013.
7. Maurin O, Davies TJ, Yessoufou K, Bezeng BS, Mankga LT, Daru BH, Muasya AM, Burrows J, **Van der Bank M**, Bond W. Investigating the origins of the “underground forests” of Africa. 39<sup>th</sup> Conference of the South African Association of Botanists, Drakensville, 20-24 Jan 2013.
8. Yessoufou K, Davies TJ, Maurin O, Daru BH, Mankga LT, Bezeng BS, **Van der Bank M**. Phylogenetic analysis of extinction risk in eastern and southern African floras. 39<sup>th</sup> Conference of the South African Association of Botanists, Drakensville, 20-24 Jan 2013.
9. Kabongo R, Maurin O, Yessoufou K, **Van der Bank M**. The development of an accurate DNA-based identification tool for traded and protected tree species in

- Southern Africa. 39<sup>th</sup> Conference of the South African Association of Botanists, Drakensville, 20-24 Jan 2013.
10. Boatwright JS, Manning JC, Daru BH, Maurin O, **Van der Bank M**. A phylogenetic classification of Asphodelaceae subfamily Alooideae. 39<sup>th</sup> Conference of the South African Association of Botanists, Drakensville, 20-24 Jan 2013.
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  12. Gere J, Yessoufou K, Maurin O, Mankga LT, Daru BH, **Van der Bank M**. Counterintuitive performance of core DNA barcodes within clades of southern African Combretaceae. 39<sup>th</sup> Conference of the South African Association of Botanists, Drakensville, 20-24 Jan 2013.
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## ■ Marketing and Media Coverage

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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>

## ■ **References**

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1. **Dr Jesse Huntley Ausubel**, Director, Program for the Human Environment, The Rockefeller University & Science Advisor, Alfred P. Sloan Foundation, New York, USA.  
Email: [ausubel@mail.rockefeller.edu](mailto:ausubel@mail.rockefeller.edu)
2. **Prof. Pete Hollingsworth**, Director of Science, Royal Botanic Garden, Edinburgh, UK.  
Email: [P.Hollingsworth@rbge.ac.uk](mailto:P.Hollingsworth@rbge.ac.uk)
3. **Dr David Schindel**, Executive Secretary, Consortium for the Barcode of Life, Smithsonian Institute, Washington, USA.  
Email: [schindeld@si.edu](mailto:schindeld@si.edu)
4. **Dr Thomas Jonathan Davies**, Assistant Professor, Department of Biology, McGill University, Canada.  
Email: [j.davies@mcgill.ca](mailto:j.davies@mcgill.ca)