

CURRICULUM VITAE

Ben-Erik van Wyk

Professor Ben-Erik van Wyk
Professor of Botany
DTI/NRF SARChI National Research Chair in Indigenous Plant Use
Department of Botany and Plant Biotechnology
University of Johannesburg
P.O. Box 524
Auckland Park 2006
Johannesburg
South Africa

Tel: +27(0)11 559 2412
Fax: +27(0)11 559 2411
Mobile: +27(0)82 800 4134
Email: bevanwyk@uj.ac.za

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1. Name and biographical details

Ben-Erik van Wyk [Born 27.12.1956, Bellville, Cape, South Africa; married to a botanist - Mariana Schonken - ; one son (Teodor) and one daughter (Signe)]

2. Academic qualifications

B.Sc. in Forestry (University of Stellenbosch, 1979);
B.Sc. Hons. *cum laude* (University of Stellenbosch, 1981);
M.Sc. *cum laude* (University of Stellenbosch, 1983);
Ph.D. (University of Cape Town, 1989).

3. National Research Foundation rating status

NRF ratings: P in 1991; B2 from 1995 to 2009; B1 from 2010 to 2015.

4. Cited publications and h-index

Publications with highest number of citations (all are books): *Medicinal Plants of South Africa*: 920; *People's Plants: a guide to useful plants of southern Africa*: 642; *Medicinal Plants of the World*: 398; *Guide to the aloes of South Africa*: 124.

Scopus h-factor = 24 (ca. 200-250 citations per year).

Web of Science h-factor = 22 (ca. 200-250 citations per year)

Google Scholar h-factor = 33 (including academic books; ca. 600-750 citations per year; total citations - 6110; since 2010 - 3078).

5. Awards

5.1 Medals and other awards: Schlich Medal in 1980 (best Forestry student), the Junior Captain Scott Medal in 1984 (best M.Sc. thesis in biology in SA), the FRD President's Award in 1991, the Compton Prize in 1992, 2003 and 2007 (best publications in the SA J. Bot.), Academic Colours from the SRC of RAU in 1993, honourable mention: Norma Awards for publishing in Africa (for the 2002 book "Poisonous Plants of SA"), Honorary membership of the Dendrological Society of South Africa (2004); the SAAB Silver Medal from the South African Association of Botanists (2007) for contributions to botany in South Africa; the 2009 Havganga prize for Biology from the South African Academy of Science and Arts, The UJ Vice-Chancellor's Award for Research Excellence (2009); the UJ Faculty of Science Award for Top Researcher of the Year (2009, 2011, 2014); medal ("erepenning") from the South African Academy of Science and Arts for contributions to ethnobotany in South Africa (2011); Elected Fellow of the African Academy of Sciences (2013); the National DTI/NRF SARChI Research Chair in Indigenous Plant Use (2013); the prestigious SAAB Gold Medal from the South African Association of Botanists (2015) for contributions to botany in South Africa.

5.2 Awards to students: These include the prestigious "RAU Chancellor's Medal" for best M.Sc. thesis of the year at RAU (A.L. Schutte, 1989; I. Allison 1996; G. Campbell 1999), the "Lennon Gold Medal" (A.M. Viljoen, 1994, 1995; M. van der Bank, 1996; Paul Steenkamp 2004; J.S. Boatwright 2006, 2007; M.M. le Roux 2006) and the "SAAB Best Young Scientist Award" [A.L. Schutte 1990, A.M. Viljoen 1995, D. Moshe 1997, M.M. le Roux 2010]. South African Association for the Advancement of Science medal for the best M.Sc. at UJ in 2007 (A. Magee); South African Association of Botanists Bronze Medal for the best PhD in South Africa in 2009 (A. Magee, awarded 2011).

6. Research grants

Young Scientist Award (P-rating) in 1991 (FRD, now NRF); “Chemotaxonomy of medicinal plants” in 1998 to 2000 (NRF, South African Druggists, THRIP and RAU: ca. R1 200 000); “Amino Acids in Traditional Medicine” in 2001 (NRF: R42 500); “Taxonomy of African Plant Families” in 2001 (NRF: R74 000) and 2003 to 2004 (NRF: R 280 000); “*Aloe* research” (With F.R. van Heerden) in 2004 (Organic Aloe: R 25 000, THRIP: R 25 000); “Karoo Medicinal Plants” in 2005 to 2009 (NRF: R780 000); “African tonics”, as part of the “New Drug Development Platform” in 2004 to 2006 (Innovation Fund - Department of Trade and Industry: R3 000 000); Incentive funding for rated researchers from 2011 to 2015 (NRF: R400 000); NRF Research Chair (tier 1, R2 500 000 per annum for five years, 2013 to 2017).

7. Career and employment history

Technical Officer, Faculty of Forestry, University of Stellenbosch (1980 to 1981); Forestry Scientist, Department of Environmental Affairs (1982 to 1984); Lecturer, Department of Botany, Rand Afrikaans University (1985 to 1989); promoted to Senior lecturer (1989); Full Professor (1990–2012). [Since 1 January 2005, the Rand Afrikaans University (RAU) has become the University of Johannesburg (UJ).] Research Professor (2013–) [DTI/NRF SARChI Research Chair in Indigenous Plant Use].

8. Research-related international activities

Visiting Professor: Center for Development of Biotic Products, National Polytechnic Institute, Morelos, Mexico (2014–).

Research collaboration: several groups, e.g. Royal Botanic Gardens, Kew (legume studies – Herbarium; DNA studies with Dr Mark Chase – Jodrell Laboratory), Addis Ababa University (Aloe chemistry, with Prof Ermias Dagne); Heidelberg University (DNA studies of the Aloe family, DNA studies of African legumes with Prof Michael Wink – this collaboration has resulted in four joint botanical field excursions in 2001, 2003, 2005 and 2007, when respectively 25, 23 and 21 and 24 staff and senior students from Heidelberg travelled in SA for two weeks, and also in international books “Medicinal Plants of the World” and others – see below); Prof Gregory Plunkett, New York Botanical Garden (Apiaceae); Prof Stephen Downie, Illinois (Apiaceae); Prof Michael Pimenov, Moscow State University (Apiaceae); Dr Alexei Oskolski, Komarov Botanical Institute, St Petersburg, Russia (Apiaceae anatomy).

Hosting of international conferences and symposia: e.g. joint organiser of a chemosystematics symposium at the 4th International Legume Conference in Canberra, Australia; with Prof P.M. Tilney organised the 4th International Apiales Conference in January 2003. The 14 papers on Apiales appeared in a special Issue of the South African Journal of Botany (Vol 70, part 3), edited by Prof Tilney and I. With Dr Moteetee organised a symposium on African Legumes at the 18th International Botanical Congress, Melbourne, Australia, 23-30 July 2011; Host (with Dr Moteetee, Dr Le Roux and Dr Boatwright) of the 6th International Legume Conference (at UJ in January 2013); One of three convenors of the Ethnobotany Sessions at the 20th AETFAT Conference in Stellenbosch, January 2014; Organiser: Joint annual meetings of The Society for Economic Botany and the Indigenous Plant Use Forum (Clanwilliam, 28 June to 3 July 2015).

Research visits: Universities, herbaria, forestry institutes, research institutes and pharmaceutical companies in Austria, Australia, China, England, France, Germany, Ireland, Italy, Japan, Mexico, Russia, Singapore, Spain, Sweden, Switzerland, Thailand and the U.S.A., as well as Ethiopia, Kenya, Namibia, Uganda and Madagascar. Ben Gurion University in Israel (fact finding mission, on invitation) and the International Aloe

Science Council in Dallas, Texas (extensive fact finding mission on the Aloe vera industry in the USA – visited all the major role players and companies in Dallas, Irving and Harlingen – this had an important impact on developing the local industry). Guest Professor at the Department of Pharmaceutical Biology, University of Heidelberg, Germany during 2000, 2001 and 2002. Invited study tour of Japan (Riken Institute and Toyama University) in 2005. Invited study tour of Traditional Medicine Institutions in Beijing, China (Minister of Health) in 2006.

Radio and television appearances: mainly on the development of African Traditional Medicine (e.g. RSG, SABC2, E-TV, KYKNET, BBC, Finnish Television, French Television).

Invited speaker at international conferences and workshops: Nectar and Nectaries Symposium in Montalcino, Italy; one of two representatives from Africa at the annual international workshops on “Medicinal and Aromatic Plants” arranged by the International Centre for Science and Technology in Trieste, Italy; XVI International Botanical Conference in Vienna, Austria (and its associated symposium on Apiales) in 2005; Annual Conference of the Botanical Society of Japan in Toyama (2005) and at the Riken Institute, Japan (2007); Joint international IOCD and ISDNP Conference, Kasane, Botswana (2008); ICS-UNIDO Expert Group Meeting on Priority needs of Developing Countries in the field of medicinal and aromatic plants (MAPs), Trieste, Italy (2011); International Conference on Aloes, Forever Resorts Blyde Canyon, South Africa (2012); International Apiales Conference 2014, Istanbul, Turkey (2014); Invited plenary speaker: 63rd International Congress and Annual Meeting of the Society of Medicinal Plant and Natural Product Research (GA) [23-27 August 2015, Budapest, Hungary].

Books and scientific publications: Participant and interim board member of the pan-African “Herbal Monographs Project” and the Association for African Medicinal Plant Standards Ltd. (2005-2007). I am active in the international promotion of books on the SA flora and SA medicinal plants through regular meetings and visits, mainly Frankfurt Book Fair (2000, 2002, 2003–2013), London Book Fair (2011, 2014); also Medpharm Publishers in Stuttgart and Tin Wah Press in Singapore. Member of the editorial board of the South African Journal of Botany (an Elsevier Journal); Guest editor (with A.M. Viljoen) of a Special Issue on Economic Botany [published in November 2011 as S. Afr. Afr. J. Bot. 77(4)]; Guest editor (with J.S. Boatwright) of a Special Issue on Legumes (“Advances in Legume Systematics 12”) [published in November 2013 as S. Afr. J. Bot. 89, with 33 papers by leading legumes researchers].

9. Research-related national activities (including government strategy and policy)

9.1 Professional associations and advisory committees: Chairman of the NRF Plant Systematics Forum (1995-96); Chairman of the Working Group for Plant Systematics (1995–96); Member of the Research Advisory Committee for the board of the National Botanical Institute (1995–96); Member of the advisory committee for the Witwatersrand Botanical Garden (1995–96); Member of the Research Advisory Committee for Rooibos tea Ltd; Member of the NRF Evaluation Committee for the Technikon programme (1998–99); Member of the Evaluation Committee for the University Development Programme (1998–99); Coordinator of a Workshop and Symposium of the 1996 SAAB conference; Chairman of the organising committee of the SAAB 2001 conference at RAU; Member of the NRF Evaluation Committee for Honours Bursaries (1995–97, chairman 1998); Convenor of the NRF Evaluation Assessment Committee for Plant Sciences (1997–1999); Chairman of Indigenous Plant Use Forum (elected annually since 1996–; organise the annual IPUF conferences, attracting ca. 100–200 scientists, traditional healers and business people each year).

9.2 Research-related commercial activities: THRIP-funded collaboration with SA Druggists (now Aspen Pharmacare) in the period 1993 to 1999, to develop various medicinal products and new crops from indigenous medicinal plants. Products included the first branded, modern African Traditional Medicines, the “Healer’s Choice” range. This research has led to a new crop and a registered international patent (*Sceletium* and its alkaloids); Founding director of Phyto Nova (Pty) Ltd (1999–2004), who developed new crops and new medicinal products based on African Traditional Medicinal Plants, notably *Sutherlandia* (now a household name, copied by many other companies); the company was taken over by Thebe Pharmaceuticals in 2004 and renamed “Thebe Natural Medicine” with *Phyto Nova* retained as a brand name (now “Bioscience Brands”). Member of Briza Publications (CK 90/11690/23), a leading private publisher of colourful botanical books, both scientific and semi-popular, on the SA flora; Founding director and elected chairman of the “Aloe Council of South Africa” (Pty) Ltd, a NPC (non-profit company, formerly section 21 company) aimed at uniting and developing the South African Aloe industry (developed a National Standard for Aloe raw materials through the South African Bureau of Standards, SA National Standard 368, edition 1 published in 2007). Part of a multi-million National Consortium, coordinated by the Medical Research Council of SA and funded by the Innovation Fund (Department of Trade and Industry of SA) to develop new drugs from indigenous plants – research funding in the amount of R3 million for three years (2004–2006) was allocated to the “African tonic project” at UJ.

9.3 Research-related involvement in government strategy and policy: Appointed by the Minister of Health (Dr ME Tsabalala-Msimang) to serve on a four-member Presidential Task Team to develop a policy framework for African Traditional Medicine in South Africa (June 2006–, announced in the Government Gazette 29288 No. 1030 of 11 October 2006). I contributed the major part of the final policy document published in the Government Gazette Vol, 517 No. 31271 of 25 July 2008.

10. Publications (summary)

Books: Author or co-author of 19 books (some translated into German, Polish and Korean) and several book chapters.

Peer-reviewed research papers: Author or co-author of some 300 research papers in ISI-accredited scientific journals.

Contributions to conferences: More than 300 contributions at national and international conferences.

Contributions to taxonomy and nomenclature: Author or co-author of more than 20 formal taxonomic revisions of genera, including more than 300 names, about 85 new species, 14 new subspecies, five new tribes, five new sections, 17 new subsections, ten new genera and many new name combinations.

International books (African and South African plants are intentionally included in these global reviews to promote South African botany):

- *Phytomedicines, Herbal Drugs and Plant Poisons of the World* (304 pages, with ca. 780 colour photographs) (in press, 2015); co-production of Kew Publishers / Royal Botanic Gardens Kew, University of Chicago Press and Briza Publications.
- *Culinary Herbs and Spices of the World* (320 pages, with ca. 600 colour photographs) first published in December 2013 as a co-production of Kew Publishers / Royal Botanic Gardens Kew and the University of Chicago Press and in January 2014 by Briza Publications.

- *African Apiaceae: A synopsis of the Apiaceae/Umbelliferae of sub-Saharan Africa and Madagascar* (317 pages, with 1650 colour photographs and illustrations). Published by Briza Academic Books in December 2013.
- *Medicinal Plants of the World* (480 pages, with 800 colour photographs) was first published in January 2004; co-productions by Timber Press in the USA and WSG/Medpharm in Germany (the German edition is entitled “Handbuch der Arzneipflanzen”); English and German reprints (including an Asian co-production) in August 2004; Korean and Polish translations published in 2007; seven reprints, last in 2013);
- *Food Plants of the World* (480 pages, 1100 colour photographs) was published in October 2005; co-productions by Timber Press (USA), Times Media (Singapore) and WSG/Medpharm (Germany); the German translation is entitled “Handbuch der Nahrungspflanzen”; Korean translation (2009);
- *Mind-Altering and Poisonous Plants of the World* (2008); co-productions by Timber Press in the USA and WSG/Medpharm in Germany (the German edition is entitled “Handbuch der giftigen und psychoaktiven Pflanzen”); Korean translation (2014).
- *Guide to Garden Succulents* (320 pages, with 450 colour photographs) was published in 2008; co-production by Timber Press in the USA (the USA edition is entitled *The Garden Succulent Primer*);
- *Cut Flowers of the World* (400 pages, with 800 colour photographs), published in April 2010; co-production by Timber Press in the USA.

Best-known books on southern African plants:

- *Medicinal Plants of South Africa* (revised and expanded edition 2009, reprinted 2013); (first published in 1997, reprinted 2000, 2002, 2005);
- *Guide to Aloes of South Africa* (3rd expanded and revised edition, 2014) (also in Afrikaans, 2014); (first published in 1996, 2nd edition 2004, reprinted 2005, 2007, 2010; Korean translation 2010);
- *People’s Plants: A guide to useful plants of southern Africa* (2000, reprinted 2002, 2007);
- *Photographic Guide to trees of southern Africa* (2000, new edition 2008);
- *Poisonous Plants of South Africa* (2002, reprinted 2005, 2013).

11. Postgraduate students:

M.Sc. cum laude (15 completed): A.L. Schutte (1988), M. Koekemoer (1990), P. Winter (1994), I. Allison (1995), D. Moshe (1998), G. Campbell (1998), N. Vessio (2001); C. O’Brien (2006); A.R. Magee (2007), M. le Roux (2007); I.M. Hulley (2010); J.M. Nortje (2012); ***J.J.J. De Beer (2012); H.S. Long (2014); A.K. Ruiters (2015).

M.Sc. (5 completed): P.M.F.G. Teurlings (1989), N.C. Netnou (2001), Candice Gaffney (2006); B.M. Corrigan (2009); Tandiwe Nkonki (2013).

Ph.D. (14 completed): A.L. Schutte (1995); ***A.M. Viljoen (1999); ***M. van der Bank (1999); M. Schubert (2000); M. Koekemoer (2002); **A. Moteetee (2004); ***M. (Rebecca) Liu (2004); P. Steenkamp (2005); **Helene de Wet (2006); *Stephen Boatwright (2009); Anthony Magee (2009); M.M. le Roux (2012); B.J. de Villiers (2012); D.Olivier (2013).

Postdoctoral fellows (5 completed): ***M. Liu (2006); *A.A. Oskolski (2007, 2009); *E. Yembaturova (2007-2008); E. Kotina (2010-2011; 2013-2014); A. Stepanova (2011).

Ongoing students: 4 M.Sc.; 4 PhD.

[Current status: ***professor, **associate professor, *senior lecturer].

12. List of publications

12.1 Books:

- Van Wyk, B.-E., Wink, M. (2015, in press). *Phytomedicines, Herbal Drugs and Plant Poisons of the World*. (304 pages). Co-production: Kew Publishers/Royal Botanic Gardens, Kew, UK; University of Chicago Press, USA; Briza Publications, Pretoria (2015)
- Van Wyk, B.-E. (2013). *Culinary Herbs and Spices of the World*. (320 pages). Co-production: Kew Publishers/Royal Botanic Gardens, Kew, UK [ISBN-13: 978-1-84246501-1 (cloth)]; University of Chicago Press, USA [ISBN-13: 978-0-226-09166-2 (cloth), ISBN-13: 978-0-226-09183-9 (e-book)]; Briza Publications, Pretoria (2014) [ISBN 978-1-875093-93-9
- Van Wyk, B.-E., Tilney, P.M., Magee, A.R. (2013). *African Apiaceae: A synopsis of the Apiaceae/Umbelliferae of sub-Saharan Africa and Madagascar*. Briza Academic Books, Pretoria. (317 pages). ISBN 978-1-920146-05-4
- Maree, J., Van Wyk, B.-E. (2010). *Cut Flowers of the World*. Co-production: Briza Publications, Pretoria; Timber Press, USA. (400 pages). ISBN 978-1-875093-68-7
- Wink M., Van Wyk, B.-E., Wink, C. 2008. *Handbuch der giftigen und psychoactiven Pflanzen*. Wissenschaftliche Verlagsgesellschaft, Stuttgart. (464 pages). ISBN 978-3-8047-2425-9
- Wink, M. & Van Wyk, B.-E. 2008. *Mind-Altering and Poisonous Plants of the World*. Co-production: Briza Publications, Pretoria; Medpharm Publishers, Germany; Timber Press, USA. (464 pages). ISBN 978-3-8047-2425-9; Korean translation (2014)
- Dugmore, H. & Van Wyk, B.-E. 2008. *Muthi and Myths from the African Bush*. Briza Publications, Pretoria (128 pages). (Also in Afrikaans: "Muti en Mites uit Afrika").
- Smith, G.F. & Van Wyk, B.-E. 2008. *Guide to Garden Succulents*. Co-production: Briza Publications, Pretoria (320 pages) (ISBN 978-187-5093670) and Timber Press (USA). ISBN-13: 978-0-88192-954-6
- Van Wyk, B.-E. 2005. *Food Plants of the World*. Briza Publications, Pretoria. (480 pages). ISBN 1 875093 56 7 (Timber Press, USA co-production, ISBN 0-881-927-430). German title: *Handbuch der Nahrungspflanzen*. Wissenschaftliche Verlagsgesellschaft, Stuttgart. (480 pages). ISBN 3-8047-2246-6
- Van Wyk, B.-E., Wink, C., Wink M. 2004. *Handbuch der Arzneipflanzen*. Wissenschaftliche Verlagsgesellschaft, Stuttgart. (480 pages). (reprinted 2004); revised and expanded edition (in press). ISBN 3-8047-2069-2
- Van Wyk, B.-E., Wink, M. 2004. *Medicinal Plants of the World*. Briza Publications, Pretoria. (480 pages). (reprinted 2004, 2005, 2007). ISBN 1 875093 44 3. co-productions by Timber Press (USA), WSG/Medpharm (Germany), Times Media (Singapore); Korean translation (2007); Polish translations (2007).
- Van Wyk, B.-E., Van Heerden, F.R., Van Oudtshoorn, B. 2002. *Poisonous Plants of South Africa*. Briza Publications, Pretoria. (288 pages). (Reprinted 2005, 2013). ISBN 1 875093 30 3
- Van Wyk B., Van Wyk, P., Van Wyk, B.-E. 2000. *Photographic guide to trees of southern Africa*. Briza Publications, Pretoria. (360 pages). 2nd ed. 2008. (Also in Afrikaans: *Fotogids tot die bome van Suid-Afrika*) ISBN 1 875093 24 9. Revised edition 2008.
- Van Jaarsveld, E., Van Wyk, B.-E., Smith, G.F. 2000. *Succulents of South Africa: a guide to regional diversity*. Tafelberg, Cape Town. (144 pages). ISBN 0 624 03838 6 (Also in Afrikaans: *Vetplante van Suid-Afrika: 'n gids tot die streekverskeidenheid*). ISBN 0624 03901 3
- Van Wyk, B.-E., Gericke, N. 2000. *People's Plants: a guide to useful plants of southern Africa*. Briza Publications, Pretoria. (351 pages). (Reprinted 2002, 2005). ISBN 1 875093 19 2
- Van Wyk, B.-E., Van Oudtshoorn, B., Gericke, N. 1997. *Medicinal Plants of South Africa*. Briza Publications, Pretoria. (304 pages). (Revised edition 2000, reprint 2002, 2005). ISBN 1 875093 09 5. Revised and expanded edition, 336 pages (2009, reprinted 2013) ISBN 978-1-875093-37-3.
- Van Wyk, B.-E., Smith, G.F. 1996. *Guide to the aloes of South Africa*. Briza Publications, Pretoria. (303 pages). (2nd edition 2004, reprinted 2005, 2007, 2010); Translated into Korean (2010). [expanded 3rd edition 2014, (also in Afrikaans). ISBN 1 875093 41 9

Smith, G.F., Chesselet, P., Van Jaarsveld, E., Hartmann, H., Hammer, S., Van Wyk, B.-E., Burgoyne, P. Klak, C., Kurzweil, H. 1998. *Mesembs of the World: Illustrated guide to a remarkable succulent plant family*. Briza Publications, Pretoria. (405 pages). ISBN 1 875093 13 3

Van Wyk, B.-E. 1991. A synopsis of the genus *Lotononis*. Contributions from the Bolus Herbarium 14. (292 pages). ISBN 0 7992 13187

12.2 Book Chapters:

Plunkett, G.M., Pimenov, M.G., Reduron, J.-P., Kljuykov, E.V., Lee, B.-Y., Van Wyk, B.-E., Tilney, P.M., Watson, M.F., Ostroumova, T.A., Spalik, K., Henwood, M.J., Webb, C.J., Pu, F.-D., Mithchell, A.D., Muckenstrum, B. "Apiaceae". In: Kubitzki, K. 2014, "The Families and Genera of Vascular Plants", Springer, Berlin. (in press)

Magee, A.R., Manning, J.C., Van Wyk, B.-E., Tilney, P.M. Apiaceae. 2013. In: Manning, J.C. and Goldblatt, P. (eds) *Greater Cape Plants I: Core Cape Region*. Strelitzia 29, pp. 316–331. National Biodiversity Institute, Pretoria.

Van Wyk, B.-E. 2005. Tribe Podalyrieae. In: L. Lewis, B. Schrire, B. Mackinder and M. Lock (eds), *Legumes of the World*, pp. 267–271. Royal Botanic Gardens, Kew. ISBN 1 900347 80 6

Van Wyk, B.-E. 2005. Tribe Crotalariaeae. In: L. Lewis, B. Schrire, B. Mackinder and M. Lock (eds), *Legumes of the World*, pp. 273–281. Royal Botanic Gardens, Kew. ISBN 1 900347 80 6

Polhill, R.M., Van Wyk, B.-E. 2005. Tribe Genisteae. In: L. Lewis, B. Schrire, B. Mackinder and M. Lock (eds), *Legumes of the World*, pp. 283–297. Royal Botanic Gardens, Kew.

Van Wyk, B.-E. 2005. Tribe Hypocalypteae. In: L. Lewis, B. Schrire, B. Mackinder and M. Lock (eds), *Legumes of the World*, pp. 336–337. Royal Botanic Gardens, Kew. ISBN 1 900347 80 6

Van Wyk, B.-E. 2004. Phyto Nova and Wildland Plants – An approach to HIV/AIDS. In: Martin, V.G. & Muir, A. (eds), *Wilderness and Human Communities. The Spirit of the 21 st Century. Proceedings of the 7 th World Wilderness Congress, Port Elizabeth, South Africa (2–8 November 2001)*, pp. 262–277. Fulchrum Publishing, Golden, Colorado, USA. ISBN 1-55591-866-2

Van Wyk, B.-E., Tilney, P.M. 2003. Apiaceae. In: G. Germishuizen & N.L. Meyer (eds), *Plants of southern Africa: an annotated checklist*. *Strelitzia* 14: 123–132. National Botanical Institute, Pretoria. ISBN 1-919795-99-5

Van Wyk, B.-E. 2003. *Bolusia*. In: G.V. Pope, R.M. Polhill & E.S. Martins (eds), *Flora Zambesiaca Vol. 3, part 7*, pp. 228–233. Royal Botanic Gardens, Kew, London. ISBN 1 84246 063 3

Geldenhuys, C.J. & Van Wyk, B.-E. 2002. Indigenous biological resources of Africa. In: Baijnath, H. & Singh, Y. (eds). *Rebirth of Science in Africa. A Shared Vision for Life and Environmental Sciences*, pp. 116–132. Umduas Press, Pretoria. ISBN 1-919766-23-5

Van Wyk, B.-E. 2000. Apiaceae (Umbelliferae). In: Leistner, O.A. (ed.), *Seed plants of southern Africa: families and genera*. *Strelitzia* 10, pp. 62–71. National Botanical Institute, Pretoria. ISBN 1-919795-51-0

Crisp, M.D., Gilmore, S., Van Wyk, B.-E. 2000. Molecular phylogeny of the Genistoid tribes of papilionoid legumes. In: Herendeen, P.S. & Bruneau, A. 2000 (eds), *Advances in Legume Systematics Vol. 9*, pp. 249–276. Royal Botanic Gardens, Kew. ISBN 1 84246 017 X

Chesselet, P., Smith, G.F., Burgoyne, P.M., Klak, C., Hammer, S.A., Hartmann, H.E.K., Kurzweil, H., Van Jaarsveld, E.J., Van Wyk, B.-E., Leistner, O.A. 2000. Mesembryanthemaceae. In: Leistner, O.A. (ed.), *Seed plants of southern Africa: families and genera*. *Strelitzia* 10, pp. 360–410. National Botanical Institute, Pretoria. ISBN 1-919795-51-0

Smith, G.F. & Van Wyk, B.-E. 1998. Asphodelaceae. In: Kubitzki, K. (ed.). *The Families and Genera of Vascular Plants. III. Flowering Plants. Monocotyledons: Liliaceae (except Orchidaceae)*, pp. 130–140. Springer-Verlag, Berlin. ISBN 3-540-64060-6

Van Wyk, B.-E. & Schutte, A. L. 1995. Phylogenetic relationships in the tribes Podalyrieae, Liparieae and Crotalariaeae. In: M. Crisp & J.J. Doyle (eds). *Advances in Legume Systematics 7: Phylogeny*, pp. 283–308. Royal Botanic Gardens, Kew. ISBN 0 947643 79 6

Van Wyk, B.-E. 1991. A review of the tribe Crotalariaeae (Fabaceae). Contributions from the Bolus Herbarium 13, pp. 265–288. ISBN 0799213020

12.3 Research Papers in ISI-accredited journals

2015:

299. De Wet, H., Struwig, M. Van Wyk, B.-E. 2015. Taxonomic notes on the genus *Cocculus* (Menispermaceae) in southern Africa. *South African Journal of Botany* 95:146–151. [impact factor: 1.409] [doi:10.1016/j.sajb.2014.10.007](https://doi.org/10.1016/j.sajb.2014.10.007)

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2014:

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23. Van Wyk, B.-E. 1989. The identity of *Lotononis elongata* (Crotalariaeae, Fabaceae). *Bothalia* 19(1): 32–34.
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29. Van Wyk, B.-E. & Verdoorn, G. H. 1989. Chemotaxonomic significance of alkaloids in the genus *Pearsonia*. *Biochemical Systematics and Ecology* 17(5): 391–394.
30. Van Wyk, B.-E. & Verdoorn, G. H. 1989. Alkaloids of the genera *Aspalathus*, *Rafnia* and *Wiborgia*. *South African Journal of Botany* 55(5): 520–522.
31. Van Wyk, B.-E., Greinwald, R. & Verdoorn, G. H. & Witte, L. 1989. Chemotaxonomic significance of alkaloids in the genus *Spartidium* (Fabaceae - Crotalariaeae). *South African Journal of Botany* 55(5): 523–527.
32. Van Wyk, B.-E. 1989. Studies in *Lotononis* (Crotalariaeae, Fabaceae). VIII. A new species of the *L. corymbosa* group and notes on the taxonomy of the section *Lipozygis*. *South African Journal of Botany* 55(5): 528–532.
33. Van Wyk, B.-E. 1989. Studies in *Lotononis* (Crotalariaeae, Fabaceae). VI. Two species of the *L. digitata* group (section *Krebsia*) from the north-western Cape Province. *South African Journal of Botany* 55(6): 647–651.
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1988:

6. Van Wyk, B.-E., Verdoorn, G. H. & Schutte, A. L. 1988. Observations on the occurrence and distribution of alkaloids in some genera and species of the tribe Crotalariaeae Fabaceae). *South African Journal of Botany* 54(1): 75–79.
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13. Van Wyk, B.-E. & Schutte, A. L. 1988. Chromosome Reports: Fabaceae. *Taxon* 37(2): 398.
14. Van Wyk, B.-E., Novellie, P. A. & Van Wyk, C. M. 1988. Flora of the Zuurberg National Park. 1. Characterization of major vegetation units. *Bothalia* 18(2): 211–220.
15. Van Wyk, B.-E., Van Wyk, C. M. & Novellie, P. A. 1988. Flora of the Zuurberg National Park. 2. An annotated checklist of ferns and seed plants. *Bothalia* 8(2): 221–232.
16. Van Wyk, B.-E., Verdoorn G. H. & Schutte, A. L. 1988. The chemotaxonomic value of major alkaloids of the genus *Dichilus*. *Biochemical Systematics and Ecology* 16: 471–473.
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18. Van Wyk, B.-E. 1988. Studies in *Lotononis* (Crotalariaeae, Fabaceae). III. A new species of the *L. angolensis* group (section *Polylobium*) from the northern Cape Province. *South African Journal of Botany* 54(6): 628–630.

1987:

4. Van Wyk, B.-E. 1987. *Lotononis brevicaulis*: a new species from the south western Cape province. *South African Journal of Botany* 53(2): 161–165.
5. Van Wyk, B.-E. 1987. Taxonomic notes on *Argyrolobium variopile*, and the status of *Lotononis magnistipulata*. *South African Journal of Botany* 53(3): 395–397.

1986:

3. Van Wyk, B.-E. 1986. A revision of *Virgilia* (Fabaceae - Podalyrieae). *South African Journal of Botany* 52: 347–353.

1982:

1. Van Wyk, B.-E. 1982. *Virgilia oroboides*: a feasible indigenous hardwood for the South African forestry industry. *South African Forestry Journal* 122: 49–51.

2. Van Wyk, B.-E. 1982. *Virgilia* (Keur): some preliminary results of species and provenance differences in establishment and early growth. South African Forestry Journal 123: 24–28.

13. List of Conference Contributions

13.1 Invited lectures (since 2008)

Van Wyk, B.-E. 2014. "New perspectives on African Apiaceae and implications for a global classification system". (invited keynote lecture: International Apiales Conference, Istanbul, Turkey, 1-3 August 2014)

Van Wyk, B.-E. 2014. "The commercial potential of southern African succulents in the herbal medicine industry". (invited lecture: International succulent plant conference "Xerophytica – Plants for our Future (The Aloe, Cactus and Succulent Society of Zimbabwe), Harare, Zimbabwe, 20-21 June 2014)

Van Wyk, B.-E. 2014. "Indigenous Knowledge and Medicinal Plants". (invited plenary lecture: Independent Examination Board National User Group Conference (Life Science); Birchwood Conference Centre, Kempton Park, South Africa, 1 February 2014)

Van Wyk, B.-E. 2012. "The uses of Aloe in traditional and modern medicine". (invited plenary lecture: Inhlaba Indaba – International Conference on Aloes, Forever Resorts Blyde Canyon, Mpumalanga, South Africa, 19-21 June 2012)

Van Wyk, B.-E. 2011. "A comparison of traditional medicine systems in South Africa and the most important medicinal plants that are used". (invited lecture: 37 th Congress of the South African Association of Botanists, Grahamstown, South Africa, 17-19 January 2011)

Van Wyk, B.-E. 2011. "New crop and new product development in the field of MAP's in South Africa". (invited lecture: ICS-UNIDO Expert Group Meeting on Priority needs of Developing Countries in the field of medicinal and aromatic plants (MAPs), Trieste, Italy 21-22 February 2011). [ICS is the International Centre for Science and High Technology in Trieste, Italy, and operates under the aegis of the United Nations Industrial Development Organization (UNIDO)]

Van Wyk, B.-E. 2011. "A review of Khoisan plant use". (invited lecture: Fynbos Forum, Still Bay, 31 May to 3 June 2011).

Van Wyk, B.-E. 2010. "Ethnobotanical, historical and commercial perspectives on natural product development in South Africa". (Invited lecture: 11 th Congress of the International Society of Ethnopharmacology, Albacete, Spain, 20-25 September 2010)

Van Wyk, B.-E., Moteete, A.N., Le Roux, M.M. & Boatwright, J.S. 2010. "Congruence between morphology, chemistry and molecular evidence in the new classification of African genistoid legumes". (Invited lecture: 5th International Legume Conference, Buenos Aires, Argentina, 8-14 August 2010)

Van Wyk, B.-E. 2009. "Nutritional and medicinal use of Cape bulbs". (invited lecture: Workshop on "Geophytes and the origins of modern humans", Dias Museum, Mossel Bay, South Africa, 6-7 June 2009)

Van Wyk, B.-E. 2009. "Hoogtepunte in the ontdekking en ontginning van Suid-Afrika se botaniese rykdom". (invited lecture: Centennial Celebration of the South African Academy of Science and Art, Bloemfontein, South Africa, 26 June 2009)

Van Wyk, B.-E. 2008. "Botanical and chemical diversity in the African flora". (invited plenary lecture: Joint international IOCD and ISDNP Conference, Kasane, Botswana, 24-29 February 2008)

13.1 All conference contributions

2015:

Van Wyk, B.-E. 2015. "A review of Khoi-San plant use". (lecture: 41 st Annual Conference of the South African Association of Botanists (SAAB), Tshipise Resort/University of Venda, 11-15 January 2015).

Mogale, M.M.P., Van Wyk, B.-E., Raimondo, D.C. 2015. "Useful plants of SekhukhuneLand". (lecture: 41 st Annual Conference of the South African Association of Botanists (SAAB), Tshipise Resort/University of Venda, 11-15 January 2015).

Kotina, E.L., Stepanova, A.V., Oskolski, A.A., Tilney, P.M., Van Wyk, B.-E. 2015. "Crystals in the bark of African genistoid legumes". (lecture: 41 st Annual Conference of the South African Association of Botanists (SAAB), Tshipise Resort/University of Venda, 11-15 January 2015).

Hulley, I.M., Van Wyk, B.-E., Schutte-Vlok, A.L. 2014. "Medicinal ethnobotany of the Little Karoo, South Africa". (lecture: 41 st Annual Conference of the South African Association of Botanists (SAAB), Tshipise Resort/University of Venda, 11-15 January 2015). (award: best presentation by a PhD student)

Sobiyi, O., Magee, A.R., Van Wyk, B.-E. 2015. "A review of chemosystematic patterns in African Apiaceae". (lecture: 41 st Annual Conference of the South African Association of Botanists (SAAB), Tshipise Resort/University of Venda, 11-15 January 2015).

2014:

Van Wyk, B.-E. 2014. "New perspectives on African Apiaceae and implications for a global classification system". (invited keynote lecture: International Apiales Conference, Istanbul, Turkey, 1-3 August 2014)

Van Wyk, B.-E. 2014. "Indigenous Knowledge and Medicinal Plants". (invited plenary lecture: Independent Examination Board National User Group Conference (Life Science); Birchwood Conference Centre, Kempton Park, South Africa, 1 February 2014)

Van Wyk, B.-E. 2014. "The commercial potential of southern African succulents in the herbal medicine industry". (invited lecture: International succulent plant conference "Xerophytica – Plants for our Future (The Aloe, Cactus and Succulent Society of Zimbabwe), Harare, Zimbabwe, 20-21 June 2014)

Van Wyk, B.-E. 2014. Ethnobotanical studies in the Cape region of South Africa. [lecture: 20th Congress of AETFAT (The Association for the Taxonomic Study of the Flora of Tropical Africa), Music Conservatoire, Stellenbosch, South Africa, 13-17 January 2014]

Ruiters, A.K., Magee, A.R., Tilney, P.M. & Van Wyk, B.-E. 2014. Systematics of the subtribe Phymaspermineae (Anthemideae Asteraceae) in South Africa. [lecture: 20th Congress of AETFAT (The Association for the Taxonomic Study of the Flora of Tropical Africa), Music Conservatoire, Stellenbosch, South Africa, 13-17 January 2014]

Phago, T., Van Wyk, B.-E., Boatwright, J.S. & Van der Bank, H. 2014. Determining the invasive potential of *Crotalaria agatiflora* (Crotalariaeae, Fabaceae) in South Africa. [poster: 20th Congress of AETFAT (The Association for the Taxonomic Study of the Flora of Tropical Africa), Music Conservatoire, Stellenbosch, South Africa, 13-17 January 2014]

Mogale, M.M.P., Van Wyk, B.-E., Raimondo, D.C. 2014. Towards an inventory of the useful plants of Sekhukhuneland. (lecture: 17 th Conference of the Indigenous Plant Use Forum, University of the Free State, Qwa-Qwa Campus, Phuthaditjhaba, South Africa, 30 June–3 July 2014)

Kotina, E.L., Van Wyk, B.-E., Tilney, P.M. 2014. Morphological and anatomical characters for identification and quality control of commercial bark samples. (lecture: 17 th Conference of the Indigenous Plant Use Forum, University of the Free State, Qwa-Qwa Campus, Phuthaditjhaba, South Africa, 30 June–3 July 2014)

Reinten, E., Van Wyk, B.-E. 2014. Contribution of South African flowers in the international flower trade. (lecture: 17 th Conference of the Indigenous Plant Use Forum, University of the Free State, Qwa-Qwa Campus, Phuthaditjhaba, South Africa, 30 June–3 July 2014)

Kinfe, H.H., Hulley, I.M., Van Wyk, B.-E. 2014. The ethnobotany and chemical diversity of heuningdou (*Pegolettia baccharidifolia*), a popular but poorly known Cape traditional medicine. (lecture: 17 th Conference of the Indigenous Plant Use Forum, University of the Free State, Qwa-Qwa Campus, Phuthaditjhaba, South Africa, 30 June–3 July 2014)

Hulley, I.M., Van Wyk, B.-E., Schutte-Vlok, A.L. 2014. An assessment of the need for ethnobotanical studies in the Little Karoo, South Africa. (lecture: 17 th Conference of the Indigenous Plant Use Forum, University of the Free State, Qwa-Qwa Campus, Phuthaditjhaba, South Africa, 30 June–3 July 2014) (third place: award for best presentation by a young scientist)

2013:

Boatwright, J.S., Le Roux, M.M., Van Wyk, B.-E. & Lavin, M. 2013. Biogeography of the tribe Crotalariaeae. (lecture: 6 th International Legume Conference, University of Johannesburg, South Africa, 6-11 January 2013)

Howieson, J., Yates, R., Loi, A., Nutt, B., Ardley, J., de Meyer, S., O'Hara, G., Gerding, M. & Van Wyk, B.-E. 2013. Domestication of alternative legumes for agriculture in response to climate change – from nodule bacteria to agronomy. (lecture: 6 th International Legume Conference, University of Johannesburg, South Africa, 6-11 January 2013)

Kotina, E.L., Oskolski, A.A., Tilney, P.M. & Van Wyk, B.-E. 2013. Systematic value of bark anatomy in the tribe Podalyrieae (Fabaceae). (lecture: 6 th International Legume Conference, University of Johannesburg, South Africa, 6-11 January 2013)

Oskolski, A.A., Boatwright, J.S., Stepanova, A., Tilney, P.M. & Van Wyk, B.-E. 2013. Systematic value of wood anatomy in the tribe Crotalariaeae (Fabaceae). (lecture: 6 th International Legume Conference, University of Johannesburg, South Africa, 6-11 January 2013)

Stepanova, A., Oskolski, A.A., Tilney, P.M. & Van Wyk, B.-E. 2013. Systematic value of wood anatomy in the tribe Podalyrieae (Fabaceae). (lecture: 6 th International Legume Conference, University of Johannesburg, South Africa, 6-11 January 2013)

Kinfe, H.H., Van Wyk, B.-E. & Long, H.S. 2013. Ethnobotany and main phenolic compound of the leaves and roots of *Rafnia amplexicaulis* – a poorly known Cape medicinal plant. [paper: 16 th Conference of the Indigenous Plant Use Forum, with participation by the Association for African Medicinal Plant Standards (AAMPS), Institute of Tropical and Subtropical Crops (ITSC), Nelspruit, Mpumalanga Province, South Africa, 1-4 July 2013]

Long, H.S., Van Wyk, B.-E. & Tilney, P.M. 2013. The identification and ethnobotany of Cape wild garlic (*Tulbaghia* species) [paper: 16 th Conference of the Indigenous Plant Use Forum, with participation by the Association for African Medicinal Plant Standards (AAMPS), Institute of Tropical and Subtropical Crops (ITSC), Nelspruit, Mpumalanga Province, South Africa, 1-4 July 2013]

Nkonki, T. & Van Wyk, B.-E. 2013. Review of the ethnobotany of the genus *Lessertia*. [paper: 16 th Conference of the Indigenous Plant Use Forum, with participation by the Association for African Medicinal Plant Standards (AAMPS), Institute of Tropical and Subtropical Crops (ITSC), Nelspruit, Mpumalanga Province, South Africa, 1-4 July 2013]

Tilney, P.M. & Van Wyk, B.-E. 2013. The use of plant anatomy in pharmacognosy and forensic studies. [paper: 16 th Conference of the Indigenous Plant Use Forum, with participation by the Association for African Medicinal Plant Standards (AAMPS), Institute of Tropical and Subtropical Crops (ITSC), Nelspruit, Mpumalanga Province, South Africa, 1-4 July 2013]

Phago, T., Van Wyk, B.-E. & Boatwright, J.S. 2013. Towards unravelling the invasive potential of *Crotalaria agatiflora* (Crotalariaeae, Fabaceae) in South Africa. (lecture: 39th Annual Conference of the South African Association of Botanists (SAAB), Drakensberg, 20-24 January 2013).

Ruiters, A.K., Magee, A.R., Tilney, P.M. & Van Wyk, B.-E. 2013. A survey of morphological and anatomical characters in the subtribe Phymaspermiae (Anthemideae, Asteraceae). (lecture: 39th Annual Conference of the South African Association of Botanists (SAAB), Drakensberg, 20-24 January 2013).

2012:

Van Wyk, B.-E. 2012. The uses of Aloe in traditional and modern medicine. (invited paper: Inhlaba Indaba – International Conference on Aloes, Forever Resorts Blyde Canyon, Mpumalanga, South Africa, 19-21 June 2012)

Magee, A.R., Nicolas, A.N., Tilney, P.M., Van Wyk B.-E. & Plunkett, G.M. 2012. Systematics of the early diverging Apiaceae tribe Annesorhizeae with emphasis on the South African genera. (lecture: 38th Annual Conference of the South African Association of Botanists (SAAB), University of Pretoria, 15 to 18 January 2012).

Van Wyk B.-E. 2012. Ethnobotany of the Cederberg. (lecture: 38th Annual Conference of the South African Association of Botanists (SAAB), University of Pretoria, 15 to 18 January 2012).

M.M.Le Roux, M.M. & Van Wyk, B.-E. 2012. The systematic value of flower structure in *Crotalaria* and related genera of the tribe Crotalariaeae (Fabaceae). (lecture: 38th Annual Conference of the South African Association of Botanists (SAAB), University of Pretoria, 15 to 18 January 2012).

A.K. Ruiters, A.K., Van Wyk, B.-E., Van Vuuren, S.F. & Tilney, P.M. 2012. The ethnobotany, essential oil composition and antibacterial activity of southern African *Teucrium* species (Lamiaceae). (lecture: 38th Annual Conference of the South African Association of Botanists (SAAB), University of Pretoria, 15 to 18 January 2012).

De Vynck, J.C. & Van Wyk, B.E. 2012. An ethnobotanical survey of the Still Bay area. (lecture: 15 th Conference of the Indigenous Plant Use Forum, University of Venda, Thohoyandou, South Africa, 2-5 July 2012)

Long, H.S., Stander, M.A., Van Wyk, B.-E. & Tilney, P.M. 2012. The anatomy and chemistry of Centella species used in traditional medicine. (lecture: 15 th Conference of the Indigenous Plant Use Forum, University of Venda, Thohoyandou, South Africa, 2-5 July 2012)

Phago, T., Van Wyk, B.-E., Tilney, P.M., Van Vuuren, S.F., Viljoen, A.M., Kamatou, G.P. & Dagne, E. 2012. A study of the morphology, anatomy, essential oil chemistry and biological activity of *Trachyspermum ammi*. (lecture: 15 th Conference of the Indigenous Plant Use Forum, University of Venda, Thohoyandou, South Africa, 2-5 July 2012)

2011:

Van Wyk, B.-E. 2011. "A comparison of traditional medicine systems in South Africa and the most important medicinal plants that are used". (invited paper: 37 th Congress of the South African Association of Botanists, Grahamstown, South Africa, 17-19 January 2011)

Kotina, E.L., Van Wyk, B.-E. & Tilney, P.M. 2011."Bark anatomy of the tribe Heteromorphae (Apiaceae)". (lecture: 37 th Congress of the South African Association of Botanists, Grahamstown, South Africa, 17-19 January 2011)

- Nortje, J.M. & Van Wyk, B.-E. 2011. "The ethnobotany of Namaqualand". (lecture: 37 th Congress of the South African Association of Botanists, Grahamstown, South Africa, 17-19 January 2011)
- De Beer, J.J.J. & Van Wyk, B.-E. 2011. "The ethnobotany of the Agter-Hantam, Northern Cape, South Africa". (lecture: 37 th Congress of the South African Association of Botanists, Grahamstown, South Africa, 17-19 January 2011)
- Van Wyk, B.-E. 2011. "New crop and new product development in the field of MAP's in South Africa". (invited lecture: ICS-UNIDO Expert Group Meeting on Priority needs of Developing Countries in the field of medicinal and aromatic plants (MAPs), Trieste, Italy 21-22 February 2011). [ICS is the International Centre for Science and High Technology in Trieste, Italy, and operates under the aegis of the United Nations Industrial Development Organization (UNIDO)]
- Van Wyk, B.-E. 2011. "A review of Khoisan plant use". (invited keynote address: Fynbos Forum, Still Bay, 31 May to 3 June 2011).
- De Beer, J.J.J. & Van Wyk, B.-E. 2011. "An ethnobotanical survey of the Agter-Hantam area of the Northern Cape". (lecture: 14 th Conference of the Indigenous Plant Use Forum, St Lucia, South Africa, 4-7 July 2011)
- Hulley, I.M. & Van Wyk, B.-E. 2011. "A review on the medicinal uses and chemical compounds of African Apiaceae". (lecture: 14 th Conference of the Indigenous Plant Use Forum, St Lucia, South Africa, 4-7 July 2011)
- Nortje, J.M. & Van Wyk, B.-E. 2011. "Medicinal plants of the Kamiesberg, Namaqualand". (lecture: 14 th Conference of the Indigenous Plant Use Forum, St Lucia, South Africa, 4-7 July 2011)
- Stepanova, A., Van Wyk, B.-E. & Tilney, P.M., 2011. "Stem and leaf anatomy of *Aspalathus linearis* (rooibos tea)". (lecture: 14 th Conference of the Indigenous Plant Use Forum, St Lucia, South Africa, 4-7 July 2011)
- Reinten, E.Y. & Van Wyk, B.-E. 2011. "Cultivation potential of indigenous flowers". (lecture: 14 th Conference of the Indigenous Plant Use Forum, St Lucia, South Africa, 4-7 July 2011)
- Kotina, E., Tilney, P.M. & Van Wyk, B.-E. 2011. "Pharmacognostic value of bark anatomy in *Warburgia salutaris* (Canellaceae)". (lecture: 14 th Conference of the Indigenous Plant Use Forum, St Lucia, South Africa, 4-7 July 2011)
- Moteetee, A.N. & Van Wyk, B.-E. 2011. "A review of African Phaseoleae". (lecture: 18 th International Botanical Congress, Melbourne, Australia, 23-30 July 2011)
- Boatwright, J.S., Van Wyk, B.-E., Le Roux M.M. & Wink, M. 2011. "Relationships of African genistoid legumes." (lecture: 18 th International Botanical Congress, Melbourne, Australia, 23-30 July 2011)
- Le Roux, M.M., Boatwright, J.S., Van Wyk B.-E. & Moteetee, A.N. 2011. "A first molecular phylogeny for the genus *Crotalaria* (Fabaceae, Crotalariaeae). (lecture: 18 th International Botanical Congress, Melbourne, Australia, 23-30 July 2011)
- Magee, A.R., Van Wyk, B.-E., Tilney, P.M. & Downie, S.R. 2011. "Phylogenetic significance of African Apiaceae and a new tribal classification for the protoapioids". (lecture: 18 th International Botanical Congress, Melbourne, Australia, 23-30 July 2011)
- Kotina, E., Nilova, M., Rossouw, A., Oskolski, A. & Van Wyk, B.-E. 2011. The systematic significance of bark anatomy in Apiales. (lecture: 18 th International Botanical Congress, Melbourne, Australia, 23-30 July 2011)
- Boatwright, S.J., Kenicer, G., Lavin, M., McMahon, M., Sanderson, M., Steele, K., Torke, B., Van Wyk, B.-E. & Wojciechowski, M.F. 2011. Progress in Papilionoid legume systematics: towards a phylogenetic classification. (lecture: 18 th International Botanical Congress, Melbourne, Australia, 23-30 July 2011)
- Van Wyk, B.-E., Tilney, P.M. & Magee, A.R. 2011. "A review of the Apiaceae of sub-Saharan Africa and Madagascar". (lecture: 7 th International Apiales Symposium, Sydney, Australia, 2-6 August 2011)
- Tilney, P.M. & Van Wyk, B.-E., 2011. "Leaf structure in the protoapioids and selected euapioids (Apiaceae): adaptations to seasonal aridity that complicate taxonomic delimitations". (lecture: 7 th International Apiales Symposium, Sydney, Australia, 2-6 August 2011)
- Van Wyk, B.-E., Tilney, P.M. & Magee, A.R. 2011. "A review of African Apiaceae". (lecture: 7 th International Apiales Symposium, Sydney, Australia, 2-6 August 2011)
- 2010:**
- Van Wyk, B.-E. 2010. "A review of ethnobotanical studies in the Cape region of South Africa". (lecture: 36 th Congress of the South African Association of Botanists, Potchefstroom, South Africa, 11-15 January 2010)
- Hulley, I.M., Viljoen, A.M., Van Vuuren, S.F., Tilney, P.M., Kamatou, G.P.P. & Van Wyk, B.-E. 2010. "A review of *Pteronia* species used in traditional medicine in South Africa". (lecture: 36 th Congress of the South African Association of Botanists, Potchefstroom, South Africa, 11-15 January 2010)
- Nortje, J.M. & Van Wyk, B.-E. 2010. "The ethnobotany of Namaqualand". (lecture: 36 th Congress of the South African Association of Botanists, Potchefstroom, South Africa, 11-15 January 2010)
- De Beer, J.J.J. & Van Wyk, B.-E. 2010. "The ethnobotany of the Agter-Hantam". (lecture: 36 th Congress of the South African Association of Botanists, Potchefstroom, South Africa, 11-15 January 2010)

- Long, H., Tilney, P.M. & Van Wyk, B.-E. 2010. "Ethnobotany and pharmacognosy of three Cape herbal plants". (lecture: 36 th Congress of the South African Association of Botanists, Potchefstroom, South Africa, 11-15 January 2010)
- Le Roux, M.M., Van Wyk, B.-E., Tilney, P.M. & Boatwright, J.S. 2010. "The taxonomic value of fruit wall structure in the genus *Crotalaria* (Fabaceae, tribe Crotalarieae)". (lecture: 36 th Congress of the South African Association of Botanists, Potchefstroom, South Africa, 11-15 January 2010)
- Moteetee, A.N. & Van Wyk, B.-E. 2010. "Taxonomic studies on the genus *Dolichos* (Phaseoleae, Fabaceae) in South Africa". (lecture: 36 th Congress of the South African Association of Botanists, Potchefstroom, South Africa, 11-15 January 2010)
- Tilney, P.M. & Van Wyk, B.-E. 2010. "The value of anatomy in pharmacognosy and forensic studies". (lecture: 36 th Congress of the South African Association of Botanists, Potchefstroom, South Africa, 11-15 January 2010)
- Van Wyk, B.-E. 2010. "Ethnobotanical, historical and commercial perspectives on natural product development in South Africa". (Invited paper: 11 th Congress of the International Society of Ethnopharmacology, Albacete, Spain, 20-25 September 2010)
- Van Wyk, B.-E., Moteetee, A.N., Le Roux, M.M. & Boatwright, J.S. 2010. "Congruence between morphology, chemistry and molecular evidence in the new classification of African genistoid legumes". (Invited paper: 5th International Legumes Conference, Buenos Aires, Argentina, 8-14 August 2010)
- Moteetee, A.N. & Van Wyk, B.-E. 2010. "Floristic analysis of papilionoid legumes in southern Africa". (lecture: 5th International Legumes Conference, Buenos Aires, Argentina, 8-14 August 2010)
- Le Roux, M.M., Van Wyk, B.-E. & Moteetee, A.N. 2010. "A review of the taxonomy and biogeography of the genus *Crotalaria* (Fabaceae)". (lecture: 5th International Legumes Conference, Buenos Aires, Argentina, 8-14 August 2010)
- Boatwright, J.S., Amaral, J., John C. Manning, J.C., Van Wyk, B.-E., Simmonds, M. & Forest, F. 2010. "Systematics of the genera *Lessertia* and *Sutherlandia* (Galegeae, Fabaceae)". (lecture: 5th International Legumes Conference, Buenos Aires, Argentina, 8-14 August 2010)
- Van Wyk, B.-E. 2010. "A review of Cape Herbal Medicine". (lecture: 13 th Conference of the Indigenous Plant Use Forum, Keimoes, South Africa, 28 June – 1 July 2010)
- De Beer, J.J.J. & Van Wyk, B.-E. 2010. "An ethnobotanical survey of the Agter-Hantam area of the Northern Cape". (lecture: 13 th Conference of the Indigenous Plant Use Forum, Keimoes, South Africa, 28 June – 1 July 2010)
- Hulley, I.M., Viljoen, A.M., Van Vuuren, S.F., Tilney, P.M., Kamatou, G.P.P. & Van Wyk, B.-E. 2010. "The ethnobotany of *Pteronia* species". (lecture: 13 th Conference of the Indigenous Plant Use Forum, Keimoes, South Africa, 28 June – 1 July 2010)
- Nortje, J.M. & Van Wyk, B.-E. 2010. "The ethnobotany of Namaqualand". paper: 13 th Conference of the Indigenous Plant Use Forum, Keimoes, South Africa, 28 June – 1 July 2010)

2009:

- Boatwright, J.S., Wink, M., Tilney, P.M. & Van Wyk, B.-E. 2009. "New generic circumscriptions in the tribe Crotalarieae (Fabaceae)". (lecture: 35 th Congress of the South African Association of Botanists, Stellenbosch, South Africa, 19-22 January 2009)
- De Villiers, B.J., Plunkett, G.M., Tilney, P.M. & Van Wyk, B.-E. 2009. "A phylogenetic study of the genus *Cussonia* (Araliaceae) based on morphological, anatomical and molecular data". (lecture: 35 th Congress of the South African Association of Botanists, Stellenbosch, South Africa, 19-22 January 2009)
- Hulley, I.M., Van Wyk, B.-E. & Tilney, P.M. 2009. "The leaf anatomy of ethnobotanically important *Pteronia* species". (lecture: 35 th Congress of the South African Association of Botanists, Stellenbosch, South Africa, 19-22 January 2009)
- Le Roux, M.M., Van Wyk, B.-E., Moteetee, A.N. & Tilney, P.M. 2009. "An evaluation of molecular and anatomical characters in the genus *Crotalaria*". (lecture: 35 th Congress of the South African Association of Botanists, Stellenbosch, South Africa, 19-22 January 2009)
- Maggee, A.R., Calviño, C.I., Liu, M., Downie, S.R., Tilney, P.M. & Van Wyk, B.-E. 2009. "New tribal delimitations in African Apiaceae". (lecture: 35 th Congress of the South African Association of Botanists, Stellenbosch, South Africa, 19-22 January 2009)
- Van Wyk, B.-E. 2009. "A review of Cape herbal medicine". (lecture: 35 th Congress of the South African Association of Botanists, Stellenbosch, South Africa, 19-22 January 2009)
- Van Wyk, B.-E. 2009. "Nutritional and medicinal use of Cape bulbs". (invited lecture: Workshop on "Geophytes and the origins of modern humans", Dias Museum, Mossel Bay, South Africa, 6-7 June 2009)

Van Wyk, B.-E. 2009. "Hoogtepunte in the ontdekking en ontginning van Suid-Afrika se botaniese rykdom". (invited lecture: Centennial Celebration of the South African Academy of Science and Art, Bloemfontein, South Africa, 26 June 2009)

Hulley, I.M., Viljoen, A.M., Tilney, P.M., Van Vuuren, S.F., Kamatou, G.P. & Van Wyk, B.-E. 2009. "Ethnobotany, leaf anatomy, essential oil composition and antibacterial activity of *Pteronia onobromoides* (Asteraceae)". (lecture: 12 th Conference of the Indigenous Plant Use Forum, Stellenbosch, South Africa, 6-9 July 2009)

Long, H.S., Tilney, P.M. & Van Wyk, B.-E. 2009. "The ethnobotany and chemical variation of *Olea europaea* subsp. *africana*". (lecture: 12 th Conference of the Indigenous Plant Use Forum, Stellenbosch, South Africa, 6-9 July 2009)

Moteetee, A.N. & Van Wyk, B.-E. 2009. "A broad review of traditional medicine in Lesotho". (lecture: 12 th Conference of the Indigenous Plant Use Forum, Stellenbosch, South Africa, 6-9 July 2009)

Olivier, D., Van Wyk, B.-E., Albrecht, C.F. & Van Heerden, F.R. 2009. "The medicinal and chemotaxonomic significance of major chemical compounds in the roots of *Arctopus* species". (lecture: 12 th Conference of the Indigenous Plant Use Forum, Stellenbosch, South Africa, 6-9 July 2009)

Viljoen, A.M. & Van Wyk, B.-E. 2009. "A review of *Artemisia afra*". (lecture: 12 th Conference of the Indigenous Plant Use Forum, Stellenbosch, South Africa, 6-9 July 2009)

2008:

Boatwright, J.S., Le Roux, M.M., Wink, M., Tilney, P.M. & Van Wyk, B.-E. 2008. Systematic studies in the genus *Lebeckia* and related genera (Crotalariaeae, Fabaceae): A new generic classification for *Lebeckia*. (lecture: 34 th Congress of the South African Association of Botanists, Drakensberg, 14-18 January 2007)

Corrigan, B.M., Van Wyk, B.-E., Geldenhuys, C.J. & Durand, J.F. 2008. Vegetation cover changes of the Sand Forest in the *KwaNibela* Peninsula, St Lucia from 1937-2002. (lecture: 34 th Congress of the South African Association of Botanists, Drakensberg, 14-18 January 2007)

Winter, P.J.D., Van Wyk, B.-E., Magee, A.R., Downie, S.R. & Tilney, P.M. 2008. The demise of *Peucedanum* (Apiaceae) in Africa. paper: 34 th Congress of the South African Association of Botanists, Drakensberg, 14-18 January 2007)

Van Wyk, B.-E., Tilney, P.M., Magee, A.R., De Villiers, B.J., Oskolski, A., Liu, M.(R.), Winter, P.J.D., Calviño, C.I., Downie, S.R., Plunkett, G.M. & Lowry II, P.P. 2008. "A review of taxonomic studies in African Apiaceae". (lecture: Apiales 2008. 6 th International Symposium on Apiales, Moscow State University, Moscow, Russia, 25-27 June 2008)

Magee, A.R., Van Wyk, B.-E., Tilney, P.M., Oskolski, A.A. & Downie, S.R. 2008. New generic circumscriptions of southern African peucedanoid genera. (lecture: Apiales 2008. 6 th International Symposium on Apiales, Moscow State University, Moscow, Russia, 25-27 June 2008)

De Villiers B.J., Van Wyk B.-E., Tilney P.M., Plunkett G.M. & Lowry, P.P. 2008. "A taxonomic study of the genus *Cussonia* and related genera (Araliaceae). (lecture: Apiales 2008. 6 th International Symposium on Apiales, Moscow State University, Moscow, Russia, 25-27 June 2008)

Liu, M.(R.), Van Wyk, B.-E., Tilney, P.M., Plunkett, G.M. & Lowry II, P.P.. 2008. "Morphological characters of the carpophore of *Drudea*'s tribe *Mulineae* (Apiaceae) and their possible taxonomic value". (lecture: Apiales 2008. 6 th International Symposium on Apiales, Moscow State University, Moscow, Russia, 25-27 June 2008)

Magee, A.R., Van Wyk, B.-E., Tilney, P.M., Oskolski, A.A., Downie, S.R. 2008. "New generic circumscriptions of southern African peucedanoid genera". (lecture: Apiales 2008. 6 th International Symposium on Apiales, Moscow State University, Moscow, Russia, 25-27 June 2008)

Oskolski, A.A., Sokoloff, D.D. & Van Wyk, B.-E. 2008. "Floral morphology of *Seemannaralia* (Araliaceae): from bilocular ovary to unilocular fruit". (lecture: Apiales 2008. 6 th International Symposium on Apiales, Moscow State University, Moscow, Russia, 25-27 June 2008)

Tilney, P.M., Van Wyk, B.-E., Liu, M.(R.) & Magee, A.R. 2008. "The value of anatomical characters in exploring relationships in the Apiaceae". (lecture: Apiales 2008. 6 th International Symposium on Apiales, Moscow State University, Moscow, Russia, 25-27 June 2008)

Winter, P.J.D., Van Wyk, B.-E., Magee, A.R., Downie, S.R. & Tilney, P.M. 2008. "*Peucedanum* (Apiaceae) – past, current and future taxonomy of the African contingent". (lecture: Apiales 2008. 6 th International Symposium on Apiales, Moscow State University, Moscow, Russia, 25-27 June 2008)

Yembaturova, E.Yu., Van Wyk, B.-E. & Winter, P.J.D. 2008. "A review of the African genus *Alepidea* F.Delaroche (Apiaceae, subfamily Saniculoideae)". (lecture: Apiales 2008. 6 th International Symposium on Apiales, Moscow State University, Moscow, Russia, 25-27 June 2008)

Albrecht, C.F. & Van Wyk, B.-E. 2008. "*Sutherlandia* and cancer: what are the facts?". (lecture: 11 th Conference of the Indigenous Plant Use Forum, Graaff-Reinet, South Africa, 7-10 July 2008)

Hulley, I.M., Van Wyk, B.-E. & Tilney, P.M. 2008. "Macroscopic, microscopic and chromatographic methods for quality control of *Hoodia* species". (poster: 11 th Conference of the Indigenous Plant Use Forum, Graaff-Reinet, South Africa, 7-10 July 2008) (joint winner of IPUF Best Poster Award 2008)

Van Wyk, B.-E. 2008. "Botanical and chemical diversity in the African flora". (invited paper: Joint international IOCD and ISDNP Conference, Kasane, Botswana, 24-29 February 2008)

2007:

Van Wyk, B.-E. 2007. "The importance of chemical variation in commercially relevant African medicinal plants". (invited paper: JSPS/JST International Symposium: "Toward advanced use of African resources in plant science", RIKEN Yokohama Institute, Japan, 20

De Villiers, B.J., Van Wyk, B.-E., Tilney, P.M., Plunkett, G.M. & Lowry, P.P. 2007. "The taxonomic significance of leaf anatomical characters in *Cussonia* (Araliaceae)". (lecture: 33 rd Congress of the South African Association of Botanists, University of Cape Town, 14-18 January 2007)

Le Roux M.M., Van Wyk, B.-E., Van der Bank, M. 2007. "A taxonomic study of the type section of the genus *Lebeckia* Thunb.". (lecture: 33 rd Congress of the South African Association of Botanists, University of Cape Town, 14-18 January 2007)

Magee A.R., Van Wyk, B.-E., Tilney, P.M. & Downie, S.R. 2007. "New generic circumscriptions of Cape peucedanoid species (Apiaceae)". (lecture: 33 rd Congress of the South African Association of Botanists, University of Cape Town, 14-18 January 2007)

Moteetee, A.N. & Van Wyk, B.-E. 2007. "A taxonomic revision of the genus *Millettia* in South Africa". (lecture: 33 rd Congress of the South African Association of Botanists, University of Cape Town, 14-18 January 2007)

Tilney, P.M., Van Wyk, B.-E., Downie, S.R. 2007. "A revision of the genus *Lichtensteinia* (Apiaceae)". (lecture: 33 rd Congress of the South African Association of Botanists, University of Cape Town, 14-18 January 2007)

Van Tonder, J.H. & Van Wyk, B.-E. 2007. "Chemical variation in selected Karoo medicinal plants". (lecture: 33 rd Congress of the South African Association of Botanists, University of Cape Town, 14-18 January 2007)

Van Wyk, B.-E., Tilney, P.M., Liu, M., Magee, A.R., Winter, P.J.D., Calviño, C.I. & Downie, S.R. "Systematic studies of African Apiaceae: a progress report". (lecture: 33 rd Congress of the South African Association of Botanists, University of Cape Town, 14-18 January 2007)

Boatwright, J.S., Van Wyk, B.-E. & Tilney, P.M. 2007. "Systematic studies in the genus *Lebeckia* and related genera: A revision of *Lebeckia* section *Stiza* (Crotalariaeae, Fabaceae)". (lecture: 33 rd Congress of the South African Association of Botanists, University of Cape Town, 14-18 January 2007)

Olivier, D., Van Wyk, B.-E., Van Heerden, F.R. & Albrecht, C.F. 2007. "Botanical, ethnobotanical and chemotaxonomic aspects of African tonic plants". (lecture: 10 th Conference of the Indigenous Plant Use Forum, University of Johannesburg, 2-5 July 2007)

Hulley, I.M., Van Wyk, B.-E., Tilney, P.M. 2007. "The use of Thin Layer Chromatography and stem anatomy to identify *Hoodia* raw material and common adulterants". (lecture: 10 th Conference of the Indigenous Plant Use Forum, University of Johannesburg, 2-5 July 2007) (award for best presentation by a young scientist)

Jardine, J., Van Wyk B.-E., Geldenhuys, C.J. & Du Rand, J.F. 2007. "An ethnobotanical and ethnozoological survey of the Kwanibela Peninsula, KwaZulu-Natal as a basis for sustainable resource use". (lecture: 10 th Conference of the Indigenous Plant Use Forum, University of Johannesburg, 2-5 July 2007)

Van Tonder, J. & Van Wyk, B.-E. 2007. "Studies on selected Karoo medicinal plants: a progress report". (lecture: 10 th Conference of the Indigenous Plant Use Forum, University of Johannesburg, 2-5 July 2007)

2006:

De Villiers B.J. & B.-E. van Wyk. 2006. "A review of the geography and morphology of the genus *Cussonia* (Araliaceae)". (lecture: 32nd Congress of the South African Association of Botanists, Nelson Mandela Metropolitan University, Port Elizabeth, 16-19 January 2006)

Le Roux M.M. & B.-E. van Wyk. 2006. "A taxonomic revision of the *Lebeckia sepiaria* species complex". (lecture: 32nd Congress of the South African Association of Botanists, Nelson Mandela Metropolitan University, Port Elizabeth, 16-19 January 2006)

Magee, A.R., B.-E. van Wyk, P.M. Tilney & M. van der Bank. 2006. "A revision of the genus *Arctopus* (Apiaceae)". (lecture: 32nd Congress of the South African Association of Botanists, Nelson Mandela Metropolitan University, Port Elizabeth, 16-19 January 2006)

Moteetee, A.N. & B.-E. van Wyk. 2006. "A review of the taxonomy of the genus *Argyrolobium* (Fabaceae)". (lecture: 32nd Congress of the South African Association of Botanists, Nelson Mandela Metropolitan University, Port Elizabeth, 16-19 January 2006)

O'Brien, C. & B.-E. van Wyk. 2006. "Quality control variables for *Aloe* gel". (lecture: 32nd Congress of the South African Association of Botanists, Nelson Mandela Metropolitan University, Port Elizabeth, 16-19 January 2006)

Olivier, D., F.R. van Heerden, C.F. Albrecht & B.-E. van Wyk. 2006. "Chemical variation in three African tonic plants (*Sutherlandia frutescens*, *Ziziphus mucronata* and *Arctopus echinatus*)". (lecture: 32nd Congress of the South African Association of Botanists, Nelson Mandela Metropolitan University, Port Elizabeth, 16-19 January 2006)

- Phephu, N., B.-E. van Wyk & P.M. Tilney 2006. "The taxonomic value of fruit characters in African *Peucedanum*". (lecture: 32nd Congress of the South African Association of Botanists, Nelson Mandela Metropolitan University, Port Elizabeth, 16-19 January 2006)
- Van Wyk, B.-E., P.M. Tilney, C.I. Calviño, S.R. Downie. 2006. "Taxonomic studies of the Cape endemic genera *Glia*, *Itasina* and *Stenosemis* (Apiaceae)". (lecture: 32nd Congress of the South African Association of Botanists, Nelson Mandela Metropolitan University, Port Elizabeth, 16-19 January 2006)
- Boatwright, J.S., V. Savolainen, B.-E. van Wyk, A.L. Schutte-Vlok, M. van der Bank. 2006. "Phylogenetic relationships in the tribe Podalyrieae (Fabaceae) and the position of *Cadlia*". (lecture: 6 th Conference of the Southern African Society for Systematic Biology, Kruger National Park, 14-17 July 2006)
- Le Roux M.M., B.-E. van Wyk & M. van der Bank. 2006. "A taxonomic study of *Lebeckia* section *Lebeckia* - Fabaceae ". (lecture: 6 th Conference of the Southern African Society for Systematic Biology, Kruger National Park, 14-17 July 2006)
- Magee, A.R., B.-E. van Wyk, P.M. Tilney, S.R. Downie & M. van der Bank. 2006. "A phylogenetic study of the Cape species of *Peucedanum* (Apiaceae)". (lecture: 6 th Conference of the Southern African Society for Systematic Biology, Kruger National Park, 14-17 July 2006)
- Boatwright, J.S. & B.-E. van Wyk. 2006. "The use of Cape legumes as sources of tea". (lecture: 9 th Conference of the Indigenous Plant Use Forum, University of Gaborone, Botswana, 3-6 July 2006)
- Govender, N. & B.-E. van Wyk. 2006. "A review of clinical trials on medicinal plants". (lecture: 9 th Conference of the Indigenous Plant Use Forum, University of Gaborone, Botswana, 3-6 July 2006)
- Magee A.R. & B.-E. van Wyk. 2006. "The ethnobotany of *Peucedanum*". (lecture: 9 th Conference of the Indigenous Plant Use Forum, University of Gaborone, Botswana, 3-6 July 2006) (Award: Best Presentation by a Young Scientist)
- Moteetee A.N. & B.-E. van Wyk. 2006. "A review of the ethnobotany of Lesotho. (lecture: 9 th Conference of the Indigenous Plant Use Forum, University of Gaborone, Botswana, 3-6 July 2006)
- Van Wyk, B.-E. & C. O'Brien. 2006. "The South African National Standard for *Aloe* raw material". (lecture: 9 th Conference of the Indigenous Plant Use Forum, University of Gaborone, Botswana, 3-6 July 2006)
- Van Tonder J. & B.-E. van Wyk. 2006. "Ethnobotanical anecdotes from the Cederberg". (lecture: 9 th Conference of the Indigenous Plant Use Forum, University of Gaborone, Botswana, 3-6 July 2006)

2005:

- Van Wyk, B.-E. 2005. Nectar sugar composition in angiosperm families: phylogeny vs pollination. (invited paper: XVII International Botanical Conference, Vienna, Austria, 18-23 July 2005)
- Van Wyk, B.-E., Smith, G.F., Viljoen, A.M., Treutlein, J., Wink, M. 2005. Secondary metabolites in relation to molecular phylogenies in *Aloe* and related genera (family Asphodelaceae). (invited paper: XVII International Botanical Conference, Vienna, Austria, 18-23 July 2005)
- Tilney, P.M., Van Wyk, B.-E., Liu, M. 2005. Phylogenetic trends in fruit structure of Apiaceae. (poster paper: XVII International Botanical Conference, Vienna, Austria, 18-23 July 2005)
- Calvino, C.I., Downie, S.R., Tilney, P.M. & Van Wyk, B.-E. 2005. Major clades within Apiaceae subfamilies Saniculoideae and basal Apioideae: Implications for evolution of the woody habit. (lecture: 5th International Apiales Conference, University of Vienna, Austria, 25 & 26 July 2005)
- Van Wyk, B.-E. & Tilney, P.M. 2005. An anatomical study of *Lichtensteinia* and a re-evaluation of its taxonomic position. (lecture: 5th International Apiales Conference, University of Vienna, Austria, 25 & 26 July 2005)
- Van Wyk, B.-E., Tilney, P.M. & Phephu, N. 2005. A taxonomic study of the woody southern African species of *Peucedanum*. (lecture: 5th International Apiales Conference, University of Vienna, Austria, 25 & 26 July 2005)
- Magee, A.R., Van Wyk, B.-E. & Tilney, P.M. 2005. A revision of the genus *Arctopus* (Saniculoideae, Apiaceae). (lecture: 5th International Apiales Conference, University of Vienna, Austria, 25 & 26 July 2005)
- Magee, A.R., Van Wyk, B.-E., Tilney, P.M. & Van der Bank, M. 2005. The morphology and anatomy of the genus *Arctopus* (Apiaceae). (lecture: 31st Annual SAAB Congress, University of the Free State, Bloemfontein, 10-14 January 2005)
- Van Wyk, B.-E. 2005. Overview of the *Aloe vera* industry. (lecture: Indigenous Plant Use Forum, Rhodes University, Grahamstown, 27-30 July 2005)
- Eloff, J.N., Van Wyk, B.-E., Gurib-Fakeem, A., Brendler, T. & Phillips, D. 2005. The African Medicinal Plants Standards (AMPS) project has identified the most important medicinal plant species and developed an open access database. (lecture: Indigenous Plant Use Forum, Rhodes University, Grahamstown, 27-30 July 2005)
- Moteetee, A. & Van Wyk, B.-E. 2005. The concept of '*Musa-pelo* in Lesotho traditional medicine. (Indigenous Plant Use Forum, Rhodes University, Grahamstown, 27-30 July 2005)
- Viljoen, A.M. & Van Wyk, B.-E. 2005. Phenolic compounds of *Aloe* with special reference to commercially important species. (lecture: Indigenous Plant Use Forum, Rhodes University, Grahamstown, 27-30 July 2005)

- O'Brien, C. & Van Wyk, B.-E. 2005. Variation studies in *Aloe ferox* gel. (lecture: Indigenous Plant Use Forum, Rhodes University, Grahamstown, 27-30 July 2005)
- Olivier, D., Van Heerden, F.R., Albrecht, C. & Van Wyk, B.-E. 2005. Two triterpenoids from *Sutherlandia*. paper: Indigenous Plant Use Forum, Rhodes University, Grahamstown, 27-30 July 2005)
- Govender, N. & Van Wyk, B.-E. 2005. A review of the medicinal properties of aloe gel. (lecture: Indigenous Plant Use Forum, Rhodes University, Grahamstown, 27-30 July 2005)
- Magee, A.R., Van Wyk, B.-E. & Lall, N. 2005. A review of the ethnobotany of *sieketroos* (*Arctopus* spp.). (lecture: Indigenous Plant Use Forum, Rhodes University, Grahamstown, 27-30 July 2005)
- Le Roux, M. & Van Wyk, B.-E. 2005. Grazing potential of *Lebeckia* species. (lecture: Indigenous Plant Use Forum, Rhodes University, Grahamstown, 27-30 July 2005)
- Van Wyk, B.-E. 2005. African Medicinal Plants: A diverse and valuable resource. (invited paper: Annual Conference of the Botanical Society of Japan, Toyama University, Japan, 21-23 September 2005).

2004:

- Van Wyk, B.-E., Tilney, P.M. & Liu, M. 2004. A review of the circumscription of the family Apiaceae and phylogenetic patterns within the family. (invited paper: 30th Annual SAAB Congress, University of KwaZulu-Natal, Durban, 19-22 January 2004) (*award: best paper by senior scientist).
- Tilney, P.M., Van Wyk, B.-E., Liu, M., Kljuykov, E.V., Ostroumova, T.A. & Pimenov, M.G. 2004. Towards a standardised terminology for fruit structural characters in Apiaceae. (poster: 30th Annual SAAB Congress, University of KwaZulu-Natal, Durban, 19-22 January 2004).(*award: best taxonomy poster)
- Nkonki, T. & Van Wyk, B.-E. 2004. A synopsis of the genus *Lessertia*. (lecture: 30th Annual SAAB Congress, University of KwaZulu-Natal, Durban, 19-22 January 2004)
- Van Wyk, B.-E. 2004. Botanical and chemical variation in wild rooibos tea. (lecture: Indigenous Plant Use Forum, Clanwilliam, 5-8 July 2004)
- De Wet, H., Van Heerden, F.R., Van Wyk, B.-E. 2004. Alkaloids of medicinally important species of *Antizoma* and *Cissampelos*. (lecture: Indigenous Plant Use Forum, Clanwilliam, 5-8 July 2004)
- O'Brien, C., Van Wyk, B.-E. 2004. Quality control of aloe bitters. paper: Indigenous Plant Use Forum, Clanwilliam, 5-8 July 2004)
- Van Wyk, B.-E. 2004. An overview of new medicinal products and functional foods with emphasis on Cape fynbos and Cape karoo plants. (invited paper: "Workshop on Prosperity and the Cape Flora", University of Cape Town, 11 November 2004)

2003:

- Van Wyk, B.-E., De Wet, H. & Van Heerden, F.R. 2003. Ethnobotanical survey of medicinal plants in the southeastern Karoo, South Africa (lecture: Joint 29th SAAB Conference & the International Association of Ethnopharmacologists, University of Pretoria, Pretoria, 7-11 January 2003)
- Mngoma, N., Van Wyk, B.-E., PM Tilney, P.M. & Van Heerden, F.R. 2003. Comparison of leaf structure of commercially important *Aloe* species and *Bulbine frutescens*. (lecture: Joint 29th SAAB Conference & the International Association of Ethnopharmacologists, University of Pretoria, Pretoria, 7-11 January 2003)
- Moteetee, A. & Van Wyk, B.-E. 2003. Generic relationships between African genistoid legumes. (lecture: Joint 29th SAAB Conference & the International Association of Ethnopharmacologists, University of Pretoria, Pretoria, 7-11 January 2003)
- Nkonki, T. & Van Wyk, B.-E. 2003. Phytogeography of *Lessertia* DC. (Fabaceae, Galegeae). (lecture: Joint 29th SAAB Conference & the International Association of Ethnopharmacologists, University of Pretoria, Pretoria, 7-11 January 2003)
- Van Heerden, F.R., De Wet, H. & Van Wyk, B.-E. 2003. Acetylcholinesterase inhibitory activity of Menispermaceae alkaloids. (lecture: Joint 29th SAAB Conference & the International Association of Ethnopharmacologists, University of Pretoria, Pretoria, 7-11 January 2003)
- Mngoma, N., Van Wyk, B.-E., Tilney, P.M. & Van Heerden, F.R. 2003. A study of aloin and gel cells in *Aloe* species and *Bulbine frutescens*. (poster: Joint 29th SAAB Conference & the International Association of Ethnopharmacologists, University of Pretoria, Pretoria, 7-11 January 2003)
- Van Wyk, B.-E. & Tilney, P.M. 2003. Diversity of Apiaceae in Africa. (lecture: 4th International Apiales Symposium, University of Pretoria, Pretoria, 6-7 January 2003)
- Vessio, N., Tilney, P.M. & Van Wyk, B.-E. 2003. Relationships in *Annesorhiza* and *Chamarea*. (lecture: 4th International Apiales Symposium, University of Pretoria, Pretoria, 6-7 January 2003)
- De Villiers, B., Van Wyk, B.-E., Tilney, P.M. 2003. A revision of the genus *Hermas*. (lecture: 4th International Apiales Symposium, University of Pretoria, Pretoria, 6-7 January 2003)

Liu, M., Van Wyk, B.-E., Tilney, P.M. 2003. The systematic value of fruit structure in basal groups of Apiaceae. (lecture: 4th International Apiales Symposium, University of Pretoria, Pretoria, 6-7 January 2003)

Harding, N.M., Steenkamp, P.A., Van Heerden, F.R. & Van Wyk, B.-E. 2003. Detection of toxic alkaloids by LC-MS (electron impact). (lecture: 41st International Meeting of The Association of Forensic Toxicologists, Melbourne, Australia, 16-20 November 2003.

2002:

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Manfred, D. & Van Wyk, B.-E. 1994. The structure and floristic composition of afro-montane forests in the Golden Gate National Park. (poster: 20th Annual SAAB Congress, Johannesburg, 10-14 January 1994)

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- Van der Vyver, J. & Van Wyk, B.-E. 1993. Reproductiewe biologie van *Kalanchoe thyrsiflora* en *K. luciae*. (poster: 19th Annual SAAB Congress, Bellville, Cape, 11-15 January 1993)
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- Schutte, A.L. & Van Wyk, B.-E. 1992. Taxonomic relationships in the genus *Priestleya*. (lecture: 18th Annual SAAB Congress, Durban, 13-17 January 1992)
- Van Wyk, B.-E. & Verdoorn, G.H. 1992. The taxonomic significance of seed alkaloids in the tribe Crotalariaeae. (poster: 18th Annual SAAB Congress, Durban, 13-17 January 1992)
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- Swanepoel, D.P. & Van Wyk, B.-E. 1991. Morphological variation in *Pearsonia sessilifolia*. (poster: 17th Annual SAAB Congress, Pietermaritzburg, 15-18 January 1991)
- Verdoorn, G.H., Van Wyk, B.-E. & Posthumus, C.B. 1991. Alkaloidal variation in *Pearsonia cajanifolia*. (poster: 17th Annual SAAB Congress, Pietermaritzburg, 15-18 January 1991)
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Verdoorn, G. H. & Van Wyk, B.-E. 1989. New esters of quinolizidine alkaloids from the genus *Pearsonia*. (poster: 15th Annual SAAB Congress, Pretoria, 9-13 January 1989)

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Schutte, A. L. & Van Wyk, B.-E. 1987. Die taksonomie van *Dichilus* (Fabaceae - Crotalariaeae). (lecture: 13th Annual SAAB Congress, Durban, 12-17 January 1987)

Schutte, A. L. & Van Wyk, B.-E. 1987. Morfolgiese variasie in die genus *Dichilus*. (poster: 13th Annual SAAB Congress, Durban, 12-17 January 1987)

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1986:

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Van Wyk, B.-E. 1986. Distribution patterns and variation in the genus *Virgilia* (Fabaceae - Crotalariaeae). (poster: 2nd International Legume Conference, St. Louis, Missouri, U.S.A., 23-27 July 1986)

Van Wyk, B.-E. & Schutte A. L. 1986. Phenetic similarity in some species of *Melolobium*, *Dichilus* and *Lotononis* (Fabaceae-Crotalariaeae). (poster: 2nd International Legume Conference, St. Louis, Missouri, U.S.A., 23-27 July 1986)

14. Patents

Gericke, N., Van Wyk, B.-E., 1997 (filed 3 June). Pharmaceutical compositions containing mesembrine and related compounds. PCT/GB97/01493.

Research work on *Sceletium tortuosum* (now also called *Mesembryanthemum tortuosum*) was part of a THRIP-funded collaboration with SA Druggists (now Aspen Pharmacare) in the period 1993 to 1999. New crop development involved the selection of high-alkaloid genotypes for cultivation; mesembrine and other alkaloids were isolated

from various species and provenances and resulted in an international patent. The patent was recently transferred to a local company and serious development work is currently underway.

15. Branded medicinal (herbal) products

15.1 “Healers Choice” Branded range of African Traditional Medicines (developed by South African Druggists (now Aspen Pharmacare). THRIP-funded research on the botany and chemical variation of the plants during the period 1993 to 1999. This research has led to new crops (*Sceletium*, *Artemisia*), an expanded factory for the production of plant tinctures (Parceval) and a registered international patent (*Sceletium* and its alkaloids).

15.2 “Phyto Nova” range of medicinal products. As founding director of Phyto Nova (Pty) Ltd (1999-2004), new crops and new medicinal products were developed and branded, based on African Traditional Medicinal Plants. Notable examples are *Sutherlandia* (now a household name, copied by many other companies), Pepperbark leaf (*Warburgia*), African ginger (*Siphonochilus*) and *Sceletium*; the company was taken over by Thebe Pharmaceuticals in 2004 and renamed “Thebe Natural Medicine” with *Phyto Nova* retained as a brand name. The range of products has expanded but the original concepts were retained. The Phyto Nova brand was sold to Bioscience Brands but recently reverted back to Thebe.

16. List of ca. 300 new taxa (new tribes, genera, sections, species) and new names authored or co-authored by B.-E. van Wyk

[Five new tribes, 85 new species, 14 new subspecies, four new sections, 17 new subsections, ten new genera and many new name combinations]

16.1 Apiaceae:

tribe *Annesorhizeae* Magee, C.I.Calviño, M.Liu, S.R.Downie, Tilney & B.-E.van Wyk -- Taxon 59(2): 577 (-578). 2010 [2 Apr 2010]
tribe *Choritaeninae* Magee, C.I.Calviño, M.Liu, S.R.Downie, Tilney & B.-E.van Wyk -- Taxon 59(2): 578. 2010 [2 Apr 2010]
tribe *Lichtensteiniae* Magee, C.I.Calviño, M.Liu, S.R.Downie, Tilney & B.-E.van Wyk -- Taxon 59(2): 578. 2010 [2 Apr 2010]
tribe *Marlothiellae* Magee, C.I.Calviño, M.Liu, S.R.Downie, Tilney & B.-E.van Wyk -- Taxon 59(2): 578. 2010 [2 Apr 2010]
tribe *Phlyctidocarpeae* Magee, C.I.Calviño, M.Liu, S.R.Downie, Tilney & B.-E.van Wyk -- Taxon 59(2): 578. 2010 [2 Apr 2010]
Alepidea cordifolia B.-E.van Wyk -- S. African J. Bot. 74(4): 740 (-745; figs. 1-3, map). 2008 [Oct 2008]
Andriana B.-E.van Wyk -- Taxon 48(4): 739 (1999). (IK)
Andriana coursii (Humbert) B.-E.van Wyk -- Taxon 48(4): 740 (1999). (IK)
Andriana marojejensis (Humbert) B.-E.van Wyk -- Taxon 48(4): 740 (1999). (IK)
Andriana tsaratananensis (Humbert) B.-E.van Wyk -- Taxon 48(4): 740 (1999). (IK)
Anginon fruticosum I.Allison & B.-E.van Wyk -- Nordic J. Bot. 17(6): 567. 1998 [1997 publ. 1998] (IK)
Anginon intermedium I.Allison & B.-E.van Wyk -- Nordic J. Bot. 17(6): 576. 1998 [1997 publ. 1998] (IK)
Anginon pumilum I.Allison & B.-E.van Wyk -- Nordic J. Bot. 17(6): 569. 1998 [1997 publ. 1998] (IK)
Anginon streyi (Merxm.) I.Allison & B.-E.van Wyk -- Nordic J. Bot. 17(6): 574. 1998 [1997 publ. 1998] (IK)
Anginon tenuius I.Allison & B.-E.van Wyk -- Nordic J. Bot. 17(6): 569. 1998 [1997 publ. 1998] , as 'tenuior' (IK)
Anginon ternatum I.Allison & B.-E.van Wyk -- Nordic J. Bot. 17(6): 566. 1998 [1997 publ. 1998] (IK)
Annesorhiza asparagoides B.-E.van Wyk -- S. African J. Bot. 77(1): 244 (-248; figs. 1-3, map). 2011 [Jan 2011] ; nom. inval.
Annesorhiza burtii B.-E.van Wyk -- Nordic J. Bot. 21(6): 633. 2002 [2001 publ. 2002] (IK)
Annesorhiza elsiae Vessio, Tilney & B.-E.van Wyk -- Syst. Bot. 36(2): 511 (fig. 4, map). 2011 [13 Jun 2011]
Annesorhiza fibrosa B.-E.van Wyk -- Nordic J. Bot. 21(6): 640. 2002 [2001 publ. 2002] (IK)
Annesorhiza lateriflora (Eckl. & Zeyh.) B.-E.van Wyk -- Nordic J. Bot. 21(5): 647. 2002 [2001 publ. 2002] (IK)
Annesorhiza triternata (Eckl. & Zeyh.) Vessio, Tilney & B.-E.van Wyk -- Syst. Bot. 36(2): 518. 2011 [13 Jun 2011]
Billburtia Magee & B.-E.van Wyk -- Pl. Syst. Evol. 283(3-4): 241 (-242). 2009 [Dec 2009]
Cannaboides B.-E.van Wyk -- Taxon 48(4): 740 (1999). (IK)
Cannaboides andohahelensis (Humbert) B.-E.van Wyk -- Taxon 48(4): 742 (1999). (IK)
Cannaboides andohahelensis (Humbert) B.-E.van Wyk var. *denudata* (Humbert) B.-E.van Wyk -- Taxon 48(4): 742 (1999). (IK)
Cannaboides betsileensis (Humbert) B.-E.van Wyk -- Taxon 48(4): 742 (1999). (IK)

Capnophyllum lutzeyeri Magee & B.-E.van Wyk -- S. African J. Bot. 75(2): 290 (figs. 2b, f, 4c, map). 2009 [Apr 2009]
Capnophyllum macrocarpum Magee & B.-E.van Wyk -- S. African J. Bot. 75(2): 290 (-291; figs. 1a, 2d, h, 3b, 4a, map). 2009 [Apr 2009]
Centella annua M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 17(3): 309 (1997). (IK)
Centella brachycarpa M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 18(4): 467 (1998). (IK)
Centella calcaria M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 17(3): 310 (1997). (IK)
Centella cryptocarpa M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 19(4): 433 (1999). (IK)
Centella dolichocarpa M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 18(4): 468 (1998). (IK)
Centella glauca M.T.R.Schub. & B.-E.van Wyk -- Bothalia 26(1): 50 (1996). (IK)
Centella gymnocarpa M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 19(4): 433 (1999). (IK)
Centella longifolia (Adamson) M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 19(4): 432 (1999): (IK)
Centella pilosa M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 18(4): 469 (1998). (IK)
Centella ternata M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 15(2): 167 (1995). (IK)
Centella thesioides M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 15(3): 265 (1995). (IK)
Centella tridentata var. *dregeana* (Sond.) M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 17(3): 314 (1997): (IK)
Centella tridentata var. *hermannifolia* (Eckl. & Zeyh.) M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 17(3): 313 (1997): (IK)
Centella tridentata var. *litoralis* (Eckl. & Zeyh.) M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 17(3): 313 (1997): (IK)
Centella umbellata M.T.R.Schub. & B.-E.van Wyk -- Nordic J. Bot. 15(2): 168 (1995). (IK)
Cynorhiza bolusii Magee & B.-E.van Wyk -- S. African J. Bot. 74(4): 732 (-733; figs. 1-3, map). 2008 [Oct 2008]
Dasispermum capense (Lam.) Magee & B.-E.van Wyk -- Syst. Bot. 34(3): 590. 2009 [2 Sep 2009]
Dasispermum grandicarum Magee & B.-E.van Wyk -- S. African J. Bot. 76(2): 315 (figs. 2-3, map). 2010 [Apr 2010]
Dasispermum hispidum (Thunb.) Magee & B.-E.van Wyk -- Syst. Bot. 34(3): 590. 2009 [2 Sep 2009]
Dasispermum humile (Meisn.) Magee & B.-E.van Wyk -- Syst. Bot. 34(3): 590. 2009 [2 Sep 2009]
Dasispermum perennans Magee & B.-E.van Wyk -- S. African J. Bot. 76(2): 318 (-319; figs. 1-4, map). 2010 [Apr 2010]
Dasispermum tenue (Sond.) Magee & B.-E.van Wyk -- Syst. Bot. 34(3): 590. 2009 [2 Sep 2009]
Glia decidua B.-E.van Wyk -- S. African J. Bot. 76(2): 270 (-271; figs. 1-3, 5, 7-8, map). 2010 [Apr 2010]
Glia pilulosa B.-E.van Wyk -- S. African J. Bot. 76(2): 270 (-271; figs. 1-3, 6-8, map). 2010 [Apr 2010]
Lichtensteinia globosa B.-E.van Wyk & Tilney -- S. African J. Bot. 74(4): 757 (-760; figs. 1-2, map). 2008 [Oct 2008]
Notobubon B.-E.van Wyk -- Taxon 57(2): 355 (-356). 2008 [30 May 2008]
Peucedanum filicaule (Eckl. & Zeyh.) B.-E.van Wyk & Tilney -- Edinburgh J. Bot. 58(3): 385 (2001). (IK)
Polemanniopsis namibensis B.-E.van Wyk, A.Burke & Mannh. -- S. African J. Bot. 76(1): 153 (-157; figs.). 2010 [Jan 2010]
Pseudocannaboides B.-E.van Wyk -- Taxon 48(4): 742 (1999). (IK)
Pseudocannaboides andringitrensis (Humbert) B.-E.van Wyk -- Taxon 48(4): 742 (1999): (IK)
Pseudocarum laxiflorum (Baker) B.-E.van Wyk -- Taxon 48(4): 744 (1999): (IK)
Pseudocarum laxiflorum (Baker) B.-E.van Wyk var. *alticola* (Humbert) B.-E.van Wyk -- Taxon 48(4): 744 (1999): (IK)
Scaraboides Magee & B.-E.van Wyk -- Syst. Bot. 34(3): 591. 2009 [2 Sep 2009]
Scaraboides manningii Magee & B.-E.van Wyk -- Syst. Bot. 34(3): 591 (fig. 7, map). 2009 [2 Sep 2009]
Tana B.-E.van Wyk -- Taxon 48(4): 743 (1999). (IK)
Tana bojeriana (Baker) B.-E.van Wyk -- Taxon 48(4): 743 (1999): (IK)

16.2 Fabaceae:

Amphithalea rostrata A.L.Schutte & B.-E.van Wyk -- Bothalia 21(1): 59 (1991). (IK)
Amphithalea vlokii (A.L.Schutte & B.-E.van Wyk) A.L.Schutte -- Taxon 47(1): 64 (1998): (IK)
Bolusia grandis B.-E.van Wyk -- Fl. Zambes. 3(7): 232. 2003 [May 2003]
Calobota acanthoclada (Dinter) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 553. 2009 [Aug 2009]
Calobota angustifolia (E.Mey.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 553. 2009 [Aug 2009]
Calobota cinerea (E.Mey.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 553. 2009 [Aug 2009]
Calobota cuspidata (Burch.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 553. 2009 [Aug 2009]
Calobota elongata (Thunb.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 553. 2009 [Aug 2009]
Calobota halenbergensis (Merxm. & A.Schreib.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 553. 2009 [Aug 2009]
Calobota linearifolia (E.Mey.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 553. 2009 [Aug 2009]
Calobota lotonoides (Schltr.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 553. 2009 [Aug 2009]
Calobota obovata (Schinz) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 553. 2009 [Aug 2009]
Calobota psiloloba (E.Mey.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 554. 2009 [Aug 2009]
Calobota pungens (Thunb.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 554. 2009 [Aug 2009]
Calobota saharae (Coss. & Durieu) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 554. 2009 [Aug 2009]
Calobota sericea (Thunb.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 554. 2009 [Aug 2009]
Calobota spinescens (Harv.) Boatwr. & B.-E.van Wyk -- S. African J. Bot. 75(3): 554. 2009 [Aug 2009]
Coelidium vlokii A.L.Schutte & B.-E.van Wyk -- Bothalia 22(2): 188 (1992). (IK)
Crotalaria giessii M.M.le Roux & B.-E.van Wyk -- Syst. Bot. 38(3): 647. 2013 [24 Sep 2013]
Crotalaria kolbergii M.M.le Roux & B.-E.van Wyk -- Syst. Bot. 38(3): 650. 2013 [24 Sep 2013]
Crotalaria sect. *Amphitrichae* M.M.le Roux & B.-E.van Wyk -- Syst. Bot. 38(3): 645. 2013 [24 Sep 2013]
Crotalaria sect. *Borealigeniculatae* M.M.le Roux & B.-E.van Wyk -- Taxon 62(5): 968. 2013 [22 Oct 2013]
Crotalaria sect. *Glaucacae* (Benth.) M.M.le Roux & B.-E.van Wyk -- Taxon 62(5): 969. 2013 [22 Oct 2013]
Crotalaria sect. *Stipulosae* (Benth.) M.M.le Roux & B.-E.van Wyk -- Taxon 62(5): 969. 2013 [22 Oct 2013], basionym as 'Baker f.'
Ezoloba B.-E.van Wyk & Boatwr. -- Taxon 60(1): 170. 2011 [10 Feb 2011]
Ezoloba macrocarpa (Eckl. & Zeyh.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 170. 2011 [10 Feb 2011]
Lebeckia brevicarpa M.M.le Roux & B.-E.van Wyk -- S. African J. Bot. 73(1): 124 (119-120, 125-126; figs. 1b,f, 2b, 3b, 4b, 7-8). 2007 [Jan 2007]
Lebeckia brevipes M.M.le Roux & B.-E.van Wyk -- S. African J. Bot. 74(4): 664 (-665; figs. 3-4, 6, map). 2008 [Oct 2008]
Lebeckia uniflora B.-E.van Wyk & M.M.le Roux -- S. African J. Bot. 75(1): 92 (-93; figs. 10-11). 2009 [Jan 2009]
Lebeckia zeyheri M.M.le Roux & B.-E.van Wyk -- S. African J. Bot. 74(4): 675 (-676; figs. 3-4, 16, map). 2008 [Oct 2008]
Leobordea acuticarpa (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea adpressa (N.E.Br.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea adpressa (N.E.Br.) B.-E.van Wyk & Boatwr. subsp. *leptantha* (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea anthylloides (Harv.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]

Leobordea arida (Dümmer) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea benthamiana (Dümmer) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 172. 2011 [10 Feb 2011]
Leobordea bracteosa (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea bullonii (Emb. & Maire) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea carinata (E.Mey.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea corymbosa (E.Mey.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea decumbens (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea decumbens (B.-E.van Wyk) B.-E.van Wyk & Boatwr. subsp. *rehmannii* (Dümmer) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea difformis (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea diffusa B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011] ; nom. illeg.
Leobordea digitata (Harv.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 172. 2011 [10 Feb 2011]
Leobordea eriantha (Benth.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea esterhuyseniana (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea foliosa (Bolus) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea furcata (Merxm. & A.Schreib.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011] ; nom. inval.
Leobordea globulosa (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]
Leobordea grandis (Dümmer & A.J.Jenn.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea hirsuta (Schinz) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea lanata (Thunb.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]
Leobordea lanceolata (E.Mey.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea laticeps (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]
Leobordea longicephala (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]
Leobordea longiflora (Bolus) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 172. 2011 [10 Feb 2011]
Leobordea magnifica (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 172 (-173). 2011 [10 Feb 2011]
Leobordea maroccana (Ball) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea mirabilis (Dinter) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea mollis (E.Mey.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea mucronata (Conrath) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea newtonii (Dümmer) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea oligocephala (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]
Leobordea pariflora (N.E.Br.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 174. 2011 [10 Feb 2011]
Leobordea pentaphylla (E.Mey.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]
Leobordea platycarpa (Viv.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea plicata (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea polycephala (E.Mey.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]
Leobordea procumbens (Bolus) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea pulchra (Dümmer) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea pusilla (Dümmer) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea quinata (E.Mey.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea schoenfelderi (Dinter ex Merxm. & A.Schreib.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea sect. *Digitatae* (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 172. 2011 [10 Feb 2011]
Leobordea sect. *Leptis* (E.Mey. ex Eckl. & Zeyh.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea sect. *Lipozygis* (E.Mey.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea sect. *Synclistus* (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]
Leobordea spicata (Compton) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea stipulosa (Baker f.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 173. 2011 [10 Feb 2011]
Leobordea stolzii (Harms) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea subsect. *Bracteolatae* (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea subsect. *Lipozygis* (E.Mey.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Leobordea sutherlandii (Dümmer) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 176. 2011 [10 Feb 2011]
Leobordea tapetiformis (Emb. & Maire) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 175. 2011 [10 Feb 2011]
Lessertia meyeri Boatwr., Nkonki & B.-E.van Wyk -- Syst. Bot. 36(2): 373 (-375; fig. 3, map). 2011 [13 Jun 2011]
Listia angolensis (Welw. ex Baker) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 171. 2011 [10 Feb 2011]
Listia bainesii (Baker) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 171. 2011 [10 Feb 2011]
Listia marlothii (Engl.) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 172. 2011 [10 Feb 2011]
Listia minima (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 172. 2011 [10 Feb 2011]
Listia solitudinis (Dümmer) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 172. 2011 [10 Feb 2011]
Listia subulata (B.-E.van Wyk) B.-E.van Wyk & Boatwr. -- Taxon 60(1): 172. 2011 [10 Feb 2011]
Lotononis acocksii B.-E.van Wyk -- S. African J. Bot. 55(2): 178 (1989). (IK)
Lotononis acuticarpa B.-E.van Wyk -- Bothalia 20(1): 21 (1990). (IK)
Lotononis adpressa N.E.Br. subsp. *leptantha* B.-E.van Wyk -- Contr. Bolus Herb. 14: 141 (1991). (IK)
Lotononis alpina (Eckl. & Zeyh.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 277 (1991): (IK)
Lotononis alpina (Eckl. & Zeyh.) B.-E.van Wyk subsp. *multiflora* (Eckl. & Zeyh.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 279 (1991): (IK)
Lotononis amajubica (Burt Davy) B.-E.van Wyk -- Contr. Bolus Herb. 14: 271 (1991): (IK)
Lotononis anthyllopsis B.-E.van Wyk -- Contr. Bolus Herb. 14: 164 (1991), nom. nov. (IK)
Lotononis azureoides B.-E.van Wyk -- Bothalia 19(1): 1 (1989). (IK)
Lotononis bracteosa B.-E.van Wyk -- Bothalia 20(1): 73 (1990). (IK)
Lotononis brevicaulis B.-E.van Wyk -- S. African J. Bot. 53(2): 161 (1987). (IK)
Lotononis caeruleascens (E.Mey.) B.-E.van Wyk -- S. African J. Bot. 54(2): 178 (1988): (IK)
Lotononis carnea B.-E.van Wyk -- S. African J. Bot. 55(6): 653 (1989). (IK)
Lotononis carnosa Benth. subsp. *condensata* (Harv.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 266 (1991): (IK)
Lotononis carnosa Benth. subsp. *latifolia* B.-E.van Wyk -- Contr. Bolus Herb. 14: 266 (1991). (IK)
Lotononis complanata B.-E.van Wyk -- Bothalia 20(1): 77 (1990). (IK)
Lotononis comptonii B.-E.van Wyk -- Bothalia 18(1): 31 (1988). (IK)

Lotononis dahlgrenii B.-E.van Wyk -- Bothalia 18(1): 33 (1988). (IK)
Lotononis decumbens B.-E.van Wyk -- Contr. Bolus Herb. 14: 138. 1991 (IK)
Lotononis decumbens B.-E.van Wyk subsp. *rehmannii* (Dümmer) B.-E.van Wyk -- Contr. Bolus Herb. 14: 139 (1991): (IK)
Lotononis densa Harv. subsp. *congesta* B.-E.van Wyk -- Contr. Bolus Herb. 14: 245 (1991). (IK)
Lotononis densa Harv. subsp. *gracilis* (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 245 (1991): (IK)
Lotononis densa Harv. subsp. *leuocladia* (Schltr.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 244 (1991): (IK)
Lotononis difformis B.-E.van Wyk -- S. African J. Bot. 55(5): 529 (1989). (IK)
Lotononis dissinodis B.-E.van Wyk -- Bothalia 18(1): 33 (1988). (IK)
Lotononis eriocarpa (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 258 (1991): (IK)
Lotononis esterhuyseniana B.-E.van Wyk -- Bothalia 20(1): 70 (1990). (IK)
Lotononis fastigiata (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 222 (1991): (IK)
Lotononis filiformis B.-E.van Wyk -- Bothalia 20(1): 75 (1990). (IK)
Lotononis fruticoides B.-E.van Wyk -- Bothalia 20(1): 9 (1990). (IK)
Lotononis glabrescens (Dümmer) B.-E.van Wyk -- Contr. Bolus Herb. 14: 271 (1991): (IK)
Lotononis globulosa B.-E.van Wyk -- Bothalia 20(1): 2 (1990). (IK)
Lotononis gracilifolia B.-E.van Wyk -- Bothalia 19(1): 3 (1989). (IK)
Lotononis harveyi B.-E.van Wyk -- Contr. Bolus Herb. 14: 280 (1991), nom. nov. (IK)
Lotononis holosericea (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 280 (1991): (IK)
Lotononis involuocrata Benth. subsp. *bracteata* B.-E.van Wyk -- Contr. Bolus Herb. 14: 224 (1991). (IK)
Lotononis involuocrata Benth. subsp. *digitata* B.-E.van Wyk -- Contr. Bolus Herb. 14: 224 (1991). (IK)
Lotononis involuocrata Benth. subsp. *peduncularis* (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 225 (1991): (IK)
Lotononis jacottetii (Schinz) B.-E.van Wyk -- Contr. Bolus Herb. 14: 262 (1991): (IK)
Lotononis lamprifolia B.-E.van Wyk -- Bothalia 19(1): 4 (1989). (IK)
Lotononis laticeps B.-E.van Wyk -- Bothalia 20(1): 3 (1990). (IK)
Lotononis linearifolia B.-E.van Wyk -- Bothalia 20(1): 13 (1990). (IK)
Lotononis longicephala B.-E.van Wyk -- Bothalia 20(1): 5 (1990). (IK)
Lotononis lotononoides (Scott Elliot) B.-E.van Wyk -- Contr. Bolus Herb. 14: 271 (1991): (IK)
Lotononis macroloba B.-E.van Wyk & Kolberg -- S. African J. Bot. 74(4): 750 (-752; figs. 1-2, map). 2008 [Oct 2008]
Lotononis magnifica B.-E.van Wyk -- S. African J. Bot. 55(6): 647 (1989). (IK)
Lotononis meyeri (C.Presl) B.-E.van Wyk -- Contr. Bolus Herb. 14: 279 (1991): (IK)
Lotononis minima B.-E.van Wyk -- S. African J. Bot. 54(6): 628 (1988). (IK)
Lotononis nutans B.-E.van Wyk -- S. African J. Bot. 55(2): 180 (1989). (IK)
Lotononis oligocephala B.-E.van Wyk -- Bothalia 20(1): 1 (1990). (IK)
Lotononis pachycarpa Dinter ex B.-E.van Wyk -- Bothalia 20(1): 11 (1990). (IK)
Lotononis plicata B.-E.van Wyk -- S. African J. Bot. 55(6): 649 (1989). (IK)
Lotononis prolifera (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 135 (1991): (IK)
Lotononis pulchella (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 275 (1991): (IK)
Lotononis purpureascens B.-E.van Wyk -- S. African J. Bot. 55(2): 180 (1989). (IK)
Lotononis racemiflora B.-E.van Wyk -- Bothalia 19(1): 7 (1989). (IK)
Lotononis rostrata Benth. subsp. *brachybotrys* B.-E.van Wyk -- S. African J. Bot. 55(6): 658 (1989). (IK)
Lotononis rostrata Benth. subsp. *namaquensis* (Bolus) B.-E.van Wyk -- S. African J. Bot. 55(6): 658 (1989): (IK)
Lotononis schreiberiae B.-E.van Wyk -- Bothalia 20(1): 13 (1990), as 'schreiberi'. (IK)
Lotononis sect. *Buchenroedera* (Eckl. & Zeyh.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 267 (1991): (IK)
Lotononis sect. *Cleistogamae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 208 (1991). (IK)
Lotononis sect. *Digitatae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 107. 1991 (IK)
Lotononis sect. *Euchlora* (Eckl. & Zeyh.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 213 (1991): (IK)
Lotononis sect. *Listia* (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 99 (1991): (IK)
Lotononis sect. *Monocarpae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 203 (1991). (IK)
Lotononis sect. *Synclistus* B.-E.van Wyk -- Contr. Bolus Herb. 14: 157 (1991). (IK)
Lotononis sparsiflora (E.Mey.) B.-E.van Wyk -- S. African J. Bot. 55(6): 660 (1989): (IK)
Lotononis stenophylla (Eckl. & Zeyh.) B.-E.van Wyk -- S. African J. Bot. 55(6): 652 (1989): (IK)
Lotononis stricta (Eckl. & Zeyh.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 258 (1991): (IK)
Lotononis subsect. *Brachyanthae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 182 (1991). (IK)
Lotononis subsect. *Bracteolatae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 117 (1991). (IK)
Lotononis subsect. *Delicatae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 170 (1991). (IK)
Lotononis subsect. *Distantes* B.-E.van Wyk -- Contr. Bolus Herb. 14: 170 (1991). (IK)
Lotononis subsect. *Falcatae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 174 (1991). (IK)
Lotononis subsect. *Fragiles* B.-E.van Wyk -- Contr. Bolus Herb. 14: 200 (1991). (IK)
Lotononis subsect. *Glabrifoliae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 264 (1991). (IK)
Lotononis subsect. *Laxae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 185 (1991). (IK)
Lotononis subsect. *Macrocarpae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 101 (1991). (IK)
Lotononis subsect. *Oppositifoliae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 203 (1991). (IK)
Lotononis subsect. *Pumilae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 192 (1991). (IK)
Lotononis subsect. *Quinatae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 194 (1991). (IK)
Lotononis subsect. *Racemosae* (T.J. Edwards & Getliffe) B.-E.van Wyk -- Contr. Bolus Herb. 14: 270 (1991): (IK)
Lotononis subsect. *Roseae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 181 (1991). (IK)
Lotononis subsect. *Rostratae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 194 (1991). (IK)
Lotononis subsect. *Striatae* B.-E.van Wyk -- Contr. Bolus Herb. 14: 181 (1991). (IK)
Lotononis subsect. *Tenuis* B.-E.van Wyk -- Contr. Bolus Herb. 14: 173 (1991). (IK)
Lotononis subulata B.-E.van Wyk -- Bothalia 20(1): 79 (1990). (IK)
Lotononis trichodes (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 277 (1991): (IK)
Lotononis venosa B.-E.van Wyk -- Bothalia 20(1): 19 (1990). (IK)
Lotononis viminea (E.Mey.) B.-E.van Wyk -- Contr. Bolus Herb. 14: 274 (1991): (IK)
Lotononis virgata B.-E.van Wyk -- Contr. Bolus Herb. 14: 274 (1991). (IK)
Melolobium lampolobum (E.Mey.) Moteetee & B.-E.van Wyk -- Bothalia 31(2): 210 (2001). (IK)

Polhillia brevicalyx (C.H.Stirt.) B.-E.van Wyk & A.L.Schutte -- Kew Bull. 44(3): 420 (1989): (IK)
Polhillia involucreatum (Thunb.) B.-E.van Wyk & A.L.Schutte -- Kew Bull. 44(3): 420 (1989): (IK)
Polhillia obsoleta (Harv.) B.-E.van Wyk -- Bothalia 22(1): 43 (1992): (IK)
Rafnia acuminata (E.Mey.) G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 130. 2001 (IK)
Rafnia alata G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 123. 2001 (IK)
Rafnia angulata Thunb. subsp. *ericifolia* (T.M.Salter) G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 117. 2001 (IK)
Rafnia angulata Thunb. subsp. *humilis* (Eckl. & Zeyh.) G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 116. 2001 (IK)
Rafnia angulata Thunb. subsp. *montana* G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 118. 2001 (IK)
Rafnia angulata Thunb. subsp. *thunbergii* (Harv.) G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 116. 2001 (IK)
Rafnia capensis (L.) Schinz subsp. *calycina* G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 141. 2001 (IK)
Rafnia capensis (L.) Schinz subsp. *carinata* G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 140. 2001 (IK)
Rafnia capensis (L.) Schinz subsp. *dichotoma* (Eckl. & Zeyh.) G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 141. 2001 (IK)
Rafnia capensis (L.) Schinz subsp. *elsieae* G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 144. 2001 (IK)
Rafnia capensis (L.) Schinz subsp. *ovata* (P.J.Bergius) G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 142. 2001 (IK)
Rafnia capensis (L.) Schinz subsp. *pedicellata* G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 144. 2001 (IK)
Rafnia globosa G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 145. 2001 (IK)
Rafnia inaequalis G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 130. 2001 (IK)
Rafnia lebeckioides Boatwr. & B.-E.van Wyk -- S. African J. Bot. 73(3): 471 (-473; fig. 1, map). 2007 [Jul 2007]
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Rafnia rostrata G.J.Campb. & B.-E.van Wyk -- S. African J. Bot. 67(2): 120. 2001 (IK)
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17. Current research activities

17.1 Apiaceae of Africa:

Aim: a detailed taxonomic review of all members of the family Apiaceae (Umbelliferae) in Sub-Saharan Africa and Madagascar (including morphology, anatomy, chemistry and molecular systematics) – a group of ca. 80 genera and ca. 350 species.

Collaborators: PM Tilney (UJ, RSA), Mei Liu (Harbin, China), AR Magee (SANBI, RSA), SR Downie (Illinois, USA), GM Plunkett (New York, USA), PP Lowry (Paris, France), MG Pimenov (Moscow, Russia), EV Kljuykov (Moscow), TA Ostroumova (Moscow), E Yembaturova (Moscow), AA Oskolski (Kamarov Botanical Institute, St. Pietersburg, Russia), EL Kotina (St. Pietersburg), A Stepanova (St Pietersburg).

Outputs thus far: Postgraduate students (PhD – 3, MSc – 4); scientific papers (42). Final output: academic books (*African Apiaceae* published in 2013).

17.2 Taxonomic studies of Asphodelaceae and Fabaceae:

Aim: morphological, anatomical, chemotaxonomic and molecular systematic studies of African Asphodelaceae and Fabaceae. Taxonomic revisions of African genera of Fabaceae.

Collaborators: PM Tilney (UJ, RSA), AN Moteetee (UJ, RSA), M Wink (Heidelberg, Germany), JS Boatwright (SANBI, RSA), MM le Roux (UJ, RSA).

Outputs thus far: Postgraduate students (PhD – 5, MSc – 3); scientific papers (42). Envisaged final output: academic books.

17.3 Medicinal and poisonous plants of South Africa:

Aim: detailed studies of medicinal and poisonous plants that are of commercial and/or forensic interest (including studies on morphology, anatomy, chemistry, biological activity and ethnobotany).

Collaborators: M Wink (Heidelberg, Germany), PM Tilney (UJ, RSA), AM Viljoen (TUT, RSA), SF Van Vuuren (WITS, RSA), IM Hulley (UJ, RSA), GPP Kamatou (TUT, RSA), HS Long (UJ, RSA).

Outputs thus far: Postgraduate students (PhD – 3, MSc – 4); scientific papers (more than 20 over the last five years). Envisaged final output: academic books.

17.4 Ethnobotanical studies (Indigenous Plant Use):

Aim: (1) To review all ethnobotanical information for the various language and cultural groups in South Africa; (2) to document traditional knowledge on useful plants in the Cape region of South Africa (including the Northern-, Western- and parts of the Eastern Cape Provinces) in order to provide a detailed synthesis and conceptualization of Khoi-San ethnobotany. Of particular importance is a detailed review of Cape Herbal Medicine (of Khoi-San and Cape Dutch origin) as a contribution to the cultural heritage of South Africa. This is a matter of extreme urgency, as Cape Herbal Medicine is poorly recorded and traditional knowledge is rapidly being lost to future generations. The ultimate aim is a review and synthesis of a distinct and interesting traditional medicine system here called Cape Herbal Medicine (*Kaapse Kruiemedyne*).

Collaborators: indigenous experts from several communities in the Cape region, including Calvinia, Citrusdal, Clanwilliam, Graaff-Reinet, Heuningvlei, Keimoes, Kleinvlei, Koueberg, Leliefontein, Middelpoos, Murraysburg, Nieuwoudtville, Nourivier, Paulshoek, Renosterhoek, Riemvasmaak, Soebatsfontein, Steinkopf, Stilbaai, Wupperthal and Zoar.

Outputs thus far: Postgraduate students (MSc – 3; currently PhD – 3 and MSc – 2); scientific papers on Cape Herbal Medicine (ca. 10 since 2008). Envisaged final output: two academic books.

B.-E. van Wyk
Updated 28 January 2015

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