ABRIDGED CURRICULUM VITAE

Prof Ben-Erik Van Wyk
8 November 2019

1. Biographical Sketch

Name: Ben-Erik Van Wyk
Institution: University of Johannesburg
Department: Botany and Plant Biotechnology
Contact details: bevanwyk@uj.ac.za, +27 11 559 2412
External links: https://orcid.org/0000-0003-0306-8193

Academic Qualification: PhD (University of Cape Town)
NRF Rating: B1
H-index (Scopus): 33
Field(s) of Research: taxonomy, ethnobotany, medicinal plants

2. Teaching Activities

Courses Presented:

i. Postgraduate supervision only

Postgraduate Student Training:
Completed MSc degrees – 26
Completed PhD degrees – 16
MSc degrees in progress – 6
PhD degrees in progress – 9

External examination:
Rhodes, Wits, Nelson Mandela, UWC

3. Research Activities

Awards:

i. SAAB Gold Medal from the South African Association of Botanists (2015)
ii. UJ Faculty of Science - Top Researcher of the Year (2009, 2011, 2014)
iii. UJ Vice-Chancellor's Award for Research Excellence (2009)
iv. Havenga Prize for Biology (2009)

Editorial responsibilities:

i. South African Journal of Botany (Elsevier)
ii. Phytotaxa
iii. Diversity

Consultancies:

i. Regular interactions with natural products industries

Community Engagements

i. Ethnobotanical research in ca. 25 communities

Research Grants:

i. DST-NRF South African Research Chair in Indigenous Plant Use (2013-2022) – R 2.5 m p.a.

Professional Memberships and Societies:

i. South African Association of Botanists
ii. Society for Economic Botany

Selected Publications:

i. Ruiters, A., **Van Wyk, B.-E. 2019**. Spatial patterns, availability and cultural preferences of edible plants in southern African. Journal of Biogeography (in press) [IF: 3.884]
ii. **Van Wyk, B.-E., 2019**. A family-level floristic inventory and analysis of medicinal plants used in Traditional African Medicine. Journal of Ethnopharmacology (in press) [IF: 3.414]
iii. Visser, N., Le Roux, M.M., **Van Wyk, B.-E. 2019**. *Thesium ovatifolium* (Thesiaceae), a new species with ovate leaves from KwaZulu-Natal, South Africa. Phytotaxa 405: 263-268 [IF (2017): 1.185]
iv. Stander, M.A., Redelinghuys, H., Masike, K., Long, H., **Van Wyk, B.-E. 2019**. Patterns of variation and chemosystematic significance of phenolic compounds in the genus *Cyclopia* (Honeybush tea) (Fabaceae, Podalyrieae). Molecules 24: 2352 [IF: 3.018]
v. **Van Wyk, B.-E**. **2019**. The diversity and multiple uses of southern African legumes. Australian Systematic Botany (Special Edition – Advances in Legume Systematics 13) 32: 519-546. [IF: 0.18]
vi. Sobiyi, O.K., Sadgrove, N.J., Magee, A.R., **Van Wyk, B-E., 2019**. The ethnobotany and major essential oil compounds of anise root (*Annesorhiza* species, Apiaceae). South African Journal of Botany 126: 309-316. [IF: 1.504]
vii. Hulley, I.M., Sadgrove, N.J., Tilney, P.M., **Van Wyk, B.-E. 2019**. The ethnobotany, leaf anatomy and major essential oil compounds of *Leysera gnaphalodes* (Asteraceae), a poorly known aromatic herbal tea endemic to southern Africa. South African Journal of Botany 127: 12-18 [IF: 1.504]
viii. Hulley, I.M., Özek, G., Sadgrove, N.J., Tilney, P.M., Özek, T., Başer, K.H.C., **Van Wyk, B.-E. 2019**. Essential oil composition of a medicinally important Cape species: *Pentzia punctata* (Asteraceae). South African Journal of Botany 127: 208-212 [IF: 1.504]
ix. Hulley, I.M., Van Vuuren, S.F., Sadgrove, N.J., **Van Wyk, B.-E. 2019**. Traditional uses of *Elytropappus rhinocerotis* (Asteraceae) against foot odour and other skin diseases. Journal of Ethnopharmacology 228: 92-98 [IF: 3.115]
x. Edwards, T., Howieson, J., Nutt, B., Yates, R., O'Hara, G., **Van Wyk, B.-E. 2019**. A ley-farming system for marginal lands based upon a self regenerating perennial pasture legume. Agronomy for Sustainable Development 39: 13 [IF: 4.503]
xi. Stander, M.A., Brendler, T., Redelinghuys, H., **Van Wyk, B.-E. 2019**. The commercial history of Cape herbal teas and an analysis of phenolic compounds in historic teas from a depository of 1933. Journal of Food Composition and Analysis 76: 66-73 [IF: 2.956]
xii. Magwede, K., **Van Wyk, B.-E.,** Van Wyk, A.E., **2019**. An inventory of Vhavenda useful plants. South African Journal of Botany 122: 57-89 (Special Issue: Sub-Saharan Ethnobotany) [IF: 1.504]
xiii. Mogale, M.M.P., Raimondo, D., **Van Wyk, B.-E. 2019**. An ethnobotanical survey of Central Sekhukhuneland, South Africa. South African Journal of Botany 122: 90-119 (Special Issue: Sub-Saharan Ethnobotany) [IF: 1.504]
xiv. Nortje, J., **Van Wyk, B.-E. 2019**. A checklist and analysis of the useful plant of Namaqualand. South African Journal of Botany 122: 120-135 (Special Issue: Sub-Saharan Ethnobotany) [IF: 1.504]

xv. Welcome, A., **Van Wyk, B.-E. 2019**. An inventory and analysis of the food plants of southern Africa. South African Journal of Botany 122: 136-179 (Special Issue: Sub-Saharan Ethnobotany) [IF: 1.504]

xvi. Hulley, I.M., **Van Wyk, B.-E. 2019**. An ethnobotanical survey of *Kannaland* (western Little Karoo), South Africa. South African Journal of Botany 122: 225-265 (Special Issue: Sub-Saharan Ethnobotany) [IF: 1.504]

xvii. Mhlongo, L.S., **Van Wyk, B.-E. 2019**. An inventory of useful plants of the Amandawe area, KwaZulu-Natal, South Africa. South African Journal of Botany 122: 266-290 (Special Issue: Sub-Saharan Ethnobotany) [IF: 1.504]

xviii. Khumalo, G.P., Van Vuuren, S.F., Sadgrove, N.J., **Van-Wyk, B-E**. **2019**. Antimicrobial lupenol triterpenes and a polyphenol from *Elaeodendron transvaalense*, a popular southern African medicinal bark. South African Journal of Botany 122: 518-534 (Special Issue: Sub-Saharan Ethnobotany) [IF: 1.504]

xix. Magwede, K., Ramovha, L.I., Mabogo, D.E.N., Van Wyk, A.E., **Van Wyk, B.-E. 2019.** Traditional uses of *vhulivhadza*, the bark hairs of *mulivhadza* (*Lannea schweinfurthii*). South African Journal of Botany 122: 529-534 (Special Issue: Sub-Saharan Ethnobotany) [IF: 1.504]

xx. Khumalo, G.P., Sadgrove, N.J., Van Vuuren, S.F., **Van-Wyk, B-E**. **2019**. Antimicrobial activity of volatiles and isolated compounds from bark of *Warburgia salutaris* (Canellaceae) against skin and respiratory pathogens. South African Journal of Botany 122: 547-550 (Special Issue: Sub-Saharan Ethnobotany) [IF: 1.504]