

## Report regarding the 2022 official yearly release of the South African National Plant Checklist

SANBI is mandated to provide an up to date checklist of South African plants. This checklist is published online, with a new updated version being released in the first quarter (January–March) every year.

Updates to the checklist are done on a continuous basis according to the procedures outlined in the South African National Plant Checklist policy. This report highlights the main updates and progress made during 2021, which are incorporated in the checklist version released in February 2022.

A summary of names added, taxonomic status updates and changes made, as well as the literature incorporated during 2021 will be made available through the SANBI website when the 2022 official yearly checklist is released (see ‘Report on additions and updates made to the South African National Plant Checklist during the period 1/2021–12/2021’ at <http://opus.sanbi.org/handle/20.500.12143/6880>).

There were no controversial classification issues discussed during 2021, and thus no decisions to report in this regard.

Published papers were obtained by the following means: journal indexes of several South African and international journals (e.g., Bothalia, South African Journal of Botany, Taxon, Kew Bulletin, Phytotaxa, PhytoKeys, etc.) were scanned for relevant literature; IPNI was consulted regarding new names for South Africa; a network of collaborators, both from within and outside of SANBI, provided literature.

We acknowledge that despite quality control procedures there may still be errors in the checklist and hope that releasing updated versions will stimulate input and feedback to assist in providing an accurate checklist reflecting all the most recent published taxonomic changes. A network of users, both from within and outside of SANBI, provided feedback on names and the classification in the checklist during 2021. We would like to thank all collaborators and users for their valuable input.

The following genera were wholly or partly updated in 2021 according to the latest, evidence based classification for the group. Where a genus was updated in its entirety, the checklist was checked and approved by the taxon expert as indicated. In cases where partial revisions of a genus were published, the partially updated genera will be checked and verified once the remainder of the genus is updated.

Family	Genus	Genus / taxon treatment	Checked by
Amaryllidaceae	<i>Hessea</i> Herb.	Duncan, G., Jeppe, B. & Voigt, L. 2016. <i>The Amaryllidaceae of southern Africa</i> . Umdaus Press, Hatfield. Snijman, D.A. & Manning, J.C. 2021. The correct author citation for taxa in <i>Strumaria</i> and changes to subgenera in <i>Strumaria</i> and <i>Hessea</i> (Amaryllidaceae: Amaryllidaceae), with a synopsis of the actinomorphic-flowered genera of subtribe <i>Strumaria</i> . <i>Bothalia ABC</i> 51(2), a9: 1–5. <a href="http://dx.doi.org/10.38201/btha.abc.v51.i2.9">http://dx.doi.org/10.38201/btha.abc.v51.i2.9</a> Snijman, D.A. 2022. New species of <i>Hessea</i> and <i>Strumaria</i> (Amaryllidaceae: Amaryllidaceae) from Namaqualand in Northern Cape and Western Cape, South Africa. <i>South African Journal of Botany</i> 146: 66–70.	Dee Snijman

Amaryllidaceae	<i>Strumaria</i> Jacq.	Duncan, G., Jeppe, B. & Voigt, L. 2016. <i>The Amaryllidaceae of southern Africa</i> . Umdaus Press, Hatfield. Duncan, G.D. & Voigt, L. 2020. 933. <i>Strumaria argillicola</i> . <i>Curtis's Botanical Magazine</i> 37(1): 13–24. Snijman, D.A. & Manning, J.C. 2021. The correct author citation for taxa in <i>Strumaria</i> and changes to subgenera in <i>Strumaria</i> and <i>Hessea</i> (Amaryllidaceae: Amaryllidaceae), with a synopsis of the actinomorphic-flowered genera of subtribe <i>Strumaria</i> . <i>Bothalia ABC</i> 51(2), a9: 1–5. <a href="http://dx.doi.org/10.38201/btha.abc.v51.i2.9">http://dx.doi.org/10.38201/btha.abc.v51.i2.9</a> Snijman, D.A. 2022. New species of <i>Hessea</i> and <i>Strumaria</i> (Amaryllidaceae: Amaryllidaceae) from Namaqualand in Northern Cape and Western Cape, South Africa. <i>South African Journal of Botany</i> 146: 66–70.	Dee Snijman
Apocynaceae	<i>Ceropegia</i> L. p.p. (= <i>Brachystelma</i> R.Br. ex Sims)	Bruyns, P.V., Klak, C. & Hanacek, P. 2017. A revised, phylogenetically-based concept of <i>Ceropegia</i> (Apocynaceae). <i>South African Journal of Botany</i> 112: 399–436.	Update of part of genus. To be checked when whole genus is updated.
Asteraceae	<i>Marasmodes</i> DC.	Magee, A.R., Ebrahim, I., Koopman, R. & Von Staden, L. 2017. <i>Marasmodes</i> (Asteraceae, Anthemideae), the most threatened plant genus of the Cape Floristic Region, South Africa: Conservation and taxonomy. <i>South African Journal of Botany</i> 111: 371–386.	Anthony Magee
Brassicaceae	<i>Heliophila</i> L. p.p.	Al-Shehbaz, IA. 2019. The delimitation of the South African <i>Heliophila brachycarpa</i> and two related species (Brassicaceae). <i>Harvard Papers in Botany</i> 24 (2): 75–81. Al-Shehbaz, IA. 2020. Ten new species in the southern African genus <i>Heliophila</i> (Brassicaceae; Cruciferae). <i>Phytotaxa</i> 434 (1): 65–88. Al-Shehbaz, I.A. 2020. New or noteworthy taxa in the South African <i>Heliophila</i> (Brassicaceae). <i>Harvard Papers in Botany</i> 25(1): 1–11.	Updates in preparation of a monograph. To be checked once monograph is published.
Fabaceae	<i>Afrocalliandra</i> E.R.Souza & L.P.Queiroz	De Souza, E.R., Lewis, G.P., Forest, F. Schnadelbach, A.S., Van den Berg, C. & De Queiroz, L.P. 2013. Phylogeny of <i>Calliandra</i> (Leguminosae: Mimosoideae) based on nuclear and plastid molecular markers. <i>Taxon</i> 62(6): 1200–1219.	Marianne le Roux
Fabaceae	<i>Ophrestia</i> H.M.L.Forbes	Moteetee, A.N. & Van Wyk, B-E. 2012. Fabaceae: <i>Ophrestia oblongifolia</i> (Phaseoleae) in Southern Africa. <i>Bothalia</i> 42(2): 187–215.	Anna Moteetee
Hyacinthaceae	<i>Massonia</i> Thunb. ex Houtt.	p.p.: Manning, J.C. 2019. The genus <i>Massonia</i> Thunb. ex Houtt. (Hyacinthaceae: Scilloideae) in the Core Cape Floristic Region. <i>South African Journal of Botany</i> 121: 329–354. Manning, J.C. 2021. <i>Massonia elandsmontana</i> (Hyacinthaceae: Scilloideae), a new species from the Swartland of Western Cape, South Africa. <i>South African Journal of Botany</i> 141: 142–144.	Update of part of genus. To be checked when whole genus is updated.
Iridaceae	<i>Xenoscapa</i> (Goldblatt) Goldblatt & J.C.Manning	Manning, J.C. & Goldblatt, P. 2011. Review of the genus <i>Xenoscapa</i> (Iridaceae: Crocoideae), including <i>X. grandiflora</i> , a new species from southern Namibia. <i>Bothalia</i> 41(2): 283–288.	John Manning
Lythraceae	<i>Ammannia</i> L.	Graham, S.A. & Gandhi, K. 2013. Nomenclatural changes resulting from the transfer of <i>Nesaea</i> and <i>Hionanthera</i> to <i>Ammannia</i> (Lythraceae). <i>Harvard Papers in Botany</i> 18(1): 71–90.	Jean Meyer & Robert Archer
Orchidaceae	<i>Stenoglottis</i> Lindl.	Phillips, D.P. & Bytebier, B. 2020. A taxonomic revision of <i>Stenoglottis</i> (Orchideae, Orchidoideae, Orchidaceae). <i>Phytotaxa</i> 456(3): 219–243. <a href="https://doi.org/10.11646/phytotaxa.456.3.1">https://doi.org/10.11646/phytotaxa.456.3.1</a>	Dean P Phillips & Benny Bytebier
Poaceae	<i>Bergbambos</i> Stapleton	Stapleton, C.M.A. 2013. <i>Bergbambos</i> and <i>Oldeania</i> , new genera of African bamboos (Poaceae, Bambusoideae). <i>PhytoKeys</i> 25: 87–103.	Caroline Mashau

Pontederiaceae	<i>Pontederia</i> L.	Pellegrini, M.O.O., Horn, C.N. & Almeida, R.F. 2018. Total evidence phylogeny of Pontederiaceae (Commelinales) sheds light on the necessity of its recircumscription and synopsis of <i>Pontederia</i> L. <i>PhytoKeys</i> 108: 25–83.	(Comments pending)
Rhamnaceae	<i>Phyllogeiton</i> (Weberb.) Herzog	Huang, X., Deng, T., Chen, S., Landis, J.B., Lin, N., Yang, Y., Hu, G., Zhou, Z., Wang, Y., Wang, H., Tojibaev, K.S. & Sun, H. 2021. Western Tethys origin, tropical Asia and tropical America disjunction in <i>Berchemia</i> and reinstatement of <i>Phyllogeiton</i> (Rhamnaceae). <i>Taxon</i> 70(3): 515–525.	Braam van Wyk
Scrophulariaceae	<i>Zaluzianskya</i> F.W.Schmidt p.p. (= <i>Reyemia</i> Hilliard)	Manning, J.C. & Goldblatt, P. 2014. <i>Reyemia</i> included in <i>Zaluzianskya</i> (Scrophulariaceae: Limoselleae) with the new combination <i>Zaluzianskya chasmanthiflora</i> (Hilliard) J.C.Manning & Goldblatt. <i>Bothalia-ABC</i> 44(1), a169: 7–9.	Update of part of genus. To be checked when whole genus is updated.
Sematophyllaceae	<i>Donnellia</i> Austin	Camara, P.E.A.S., Van Rooy, J., Silva, M.C. & Magill, R.E. 2019. A revision of the family Sematophyllaceae (Bryophyta) in southern Africa. <i>Acta Mus. Siles. Sci. Natur.</i> 68: 157–174.	Jacques van Rooy (Comments pending)
Violaceae	<i>Afrohybanthus</i> Flicker	Flicker, BJ; Ballard, HE. 2015. <i>Afrohybanthus</i> (Violaceae), a new genus for a distinctive and widely distributed Old World hybanthoid lineage. <i>Phytotaxa</i> 230 (1): 39–53.	(Comments pending)
Violaceae	<i>Pombalia</i> Vand.	De Paula-Souza, J; Ballard, HE. 2015. Re-establishment of the name <i>Pombalia</i> , and new combinations from the polyphyletic <i>Hybanthus</i> (Violaceae). <i>Phytotaxa</i> 183: 1–15.	(Comments pending)

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