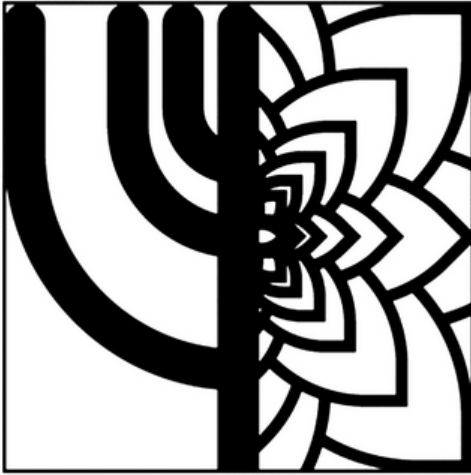


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International Organization
for Succulent Plant Study

Organización Internacional
para el Estudio de
Plantas Suculentas

Organisation Internationale
de Recherche sur les
Plantes Succulentes

Internationale Organisation
für Sukkulenten-Forschung

IOS

**Repertorium
Plantarum
Succulentarum
LXXIII (2022)**

A short history of *Repertorium Plantarum Succulentarum*

The first issue of *Repertorium Plantarum Succulentarum* (RPS) was produced in 1951 by Michael Roan (1909–2003), one of the founder members of the International Organization for Succulent Plant Study (IOS) in 1950. It listed the ‘majority of the new names [of succulent plants] published the previous year’. The first issue, edited by Roan himself with the help of A. J. A. Uitewaal (1899–1963), was published for IOS by the National Cactus & Succulent Society, and the next four (with Gordon Rowley as Associate and later Joint Editor) by Roan’s newly formed British Section of the IOS. For issues 5–12, Gordon Rowley became the sole editor. Issue 6 was published by IOS with assistance by the Acclimatisation Garden Pinya de Rosa, Costa Brava, Spain, owned by Fernando Riviere de Caralt (1904–1992), another founder member of IOS.

In 1957, an arrangement for closer cooperation with the International Association of Plant Taxonomy (IAPT) was reached, and RPS issues 7–22 were published in their *Regnum Vegetabile* series with the financial support of the International Union of Biological Sciences (IUBS). Issues 23–25 were published by Abbey Garden Press of Pasadena, California, USA, after which IOS finally resumed full responsibility as publisher with issue 26 (for 1975).

Gordon Rowley retired as editor after the publication of issue 32 (for 1981) along with Len E. Newton, who had assisted him with issues 13 onwards. Starting with issue 33, RPS was compiled and edited by Urs Eggli and Nigel Taylor, who enhanced it by adding data on nomenclatural types and enlarging the ‘Bibliographia’ section, first introduced in issue 20 (for 1969). After issue 45 (for 1994), Nigel Taylor handed over as co-editor to his wife Daniela Zappi, who assisted with issues 46–59. Reto Nyffeler joined the editorial team for issues 55–65.

Starting in 1986, a nomenclatural and bibliographical database was created at the Zürich Succulent Plant Collection to compile the individual issues. Over the years all earlier issues were added to this database, making it possible to produce the ‘IOS Index of Names of Cactaceae published 1950–1990’. This was published by the Royal Botanic Gardens Kew in 1991, and followed by an equivalent list for the ‘other succulents’ in 1994.

After 60 issues conventionally printed, *Repertorium Plantarum Succulentarum* has been made available in digital form in pdf format (‘portable document format’) from issue 61 onwards, as an ‘open access’ publication under a Creative Commons licence, accessible over the internet (e.g. <http://succulentresearch.org/publications/>). In 2024, all issues of RPS were digitized and are now available in the Bibliothèque numérique du Cactus Francophone (<https://www.cactuspro.com/biblio/en:rpsbis>).

Repertorium Plantarum Succulentarum LXXIII (2022)

*Index nominum novarum plantarum succulentarum anno MMXXII
editorum nec non bibliographia taxonomica ab U. Egli compositus.*

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Conventions used in Repertorium Plantarum Succulentarum

- Repertorium Plantarum Succulentarum attempts to list, under separate headings, newly published names of succulent plants and relevant literature on the systematics of these plants, on an annual basis. New names noted after the issue for the relevant year has gone to press are included in later issues. Specialist periodical literature is scanned in full (as available at the library at ZSS or received by the compiler). Also included is information supplied to the compiler direct.
- Validly published names are given in **bold face** type (except for epithets of new cultivars), accompanied, in the case of newly described taxa, by an indication of the nomenclatural type (name or specimen dependent on rank), followed by the herbarium acronyms of the herbaria where the holotype and isotypes are said to be deposited (first acronym for holotype), according to the Index Herbariorum database. Invalid, illegitimate, or incorrect names are given in *italic* type face. In either case a full bibliographic reference is given. For new combinations and replacement names, the basionym or replaced name is listed. For invalid, illegitimate or incorrect names, the articles of the ICBN/ICN or ICNCP which have been contravened are indicated in brackets. For names before 2012, the articles cited are those of the ICBN (Vienna Code, 2006), while the ICN (Melbourne Code, 2012, and Shenzhen Code, 2018) is used for newer names.
- The compiler would like to point out that he does not accept any names that might be inadvertently validated in this volume of RPS.
- Bibliographic details of papers dealing only with the names of one or few new taxa are usually not repeated in the bibliographic section.
- Starting with RPS 61, abbreviations for periodicals are those suggested in Bibliographia Periodicorum Huntianum Ed. 2 (BPH2), or are constructed according to BPH2 guidelines for other periodicals. For some titles where BPH2 has incomplete data, the abbreviations suggested in the ‘Bibliography of Succulent Plant Periodicals’ (U. Eggli in Friciana 60: 1-139, 1998 (‘1995’)) are used.

Compiled by:

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Compilers' Preface

After a long lapse, the RPS volume covering the year 2022 has finally been completed. Contrary to the hopes expressed in the preface to the last RPS, we have fallen even further behind schedule with RPS production. Apart from some further challenges posed by our new database environment, an unexpected staff shortage also interfered with RPS work.

The present RPS volume is again rather voluminous and covers 304 new names, and 391 literature references. Quite a number of these are late additions from the years 2020 and 2021 which were erroneously missed out before.

The production also of this volume of RPS would not have been possible without the help of Emmanuel Wyss, science assistant at the Zürich Succulent Collection, who has meticulously added most of the bibliography details into the database. Numerous colleagues from all over the world have greatly helped by supplying pdf versions of their works.

Urs Eggli

NOMINA NOVA

AGAVACEAE

Agave angustifolia var. *pacifica* (Trelease) A. Klimova & al., Plants 11(11: 1426): 2, 2022. Basionym: *Agave pacifica*. *Nom. inval.* (ICN Art. 41.4). [Casually used throughout the text without attempt of formal publication.]

Agave infernilloensis Etter & al., Phytotaxa 564(2): 211-215, ills., 2022. Typus: Etter & Kristen 4775: Mexico, Michoacán (IBUG, CIMI, IEB).

Agave martaelenae A. Vázquez & Padilla-Lepe, Bol. Nakari 33(3): 44-47, ills. (pp. 49-50), 2022. Typus: Vázquez-García & al. 10198: Mexico, Jalisco (IBUG, ZEA).

Agave rosalesii A. Vázquez & al., Bot. Sci. 100(3): 769-772, ills., 2022. Typus: Aparicio-Barrios & al. 278: Mexico, Oaxaca (MEXU).

Agave salomonii G. D. Starr & al., Cact. Succ. J. (US) 94(3): 116-121, ills., 2022. Typus: Starr 2022-001: Mexico, Oaxaca (MEXU, ARIZ, OAX, SERBO).

Agave servandoana A. Vázquez & Padilla-Lepe, Bol. Nakari 33(3): 52, ills. (pp. 46-47, 51), 2022. Typus: Vázquez-García & Baltazar 7955: Mexico, Jalisco (IBUG, CIIDIR, MEXU, UAS).

Beschorneria sect. *Tubiflora* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 13, 2022. *Nom. inval.* (ICN Art. 39.2, 41.5). [Given as stat. nov. but without basionym reference; typus given as *Beschorneria tubiflora*.]

Beschorneria sect. *Yuccoides* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 13, 2022. *Nom. inval.* (ICN Art. 39.2, 41.5). [Given as stat. nov. but without basionym reference; typus given as Curtis's Bot. Mag. 86: t. 5203, 1860, which is *Beschorneria yuccoides*.]

Beschorneria ser. *Tubiflora* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 13, 2022. *Nom. inval.* (ICN Art. 39.2, 41.5). [Given as stat. nov. but without basionym reference; typus given as *Beschorneria tubiflora*.]

Beschorneria ser. *Yuccoides* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 13, 2022. *Nom. inval.* (ICN Art. 39.2, 41.5).

[Given as stat. nov. but without basionym reference; typus given as Curtis's Bot. Mag. 86: t. 5203, 1860, which is *Besc horneria yuccoides*.]

Hesperaloe sect. *Noctiflorae* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 16, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as stat. nov. but without basionym reference; type given as *Hesperaloe nocturna*.]

Hesperaloe ser. *Noctiflorae* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 16, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as stat. nov. but without basionym reference; type given as *Hesperaloe nocturna*.]

Hesperaloe bechtoldii (Hochstätter) Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 16, ills., 2022. Basionym: *Hesperaloe parviflora* ssp. *bechtoldii*. *Nom. inval.* (ICN Art. 41.5). [Basionym not given. First used invalidly (ICN Art. 29.1, Ex. 2) in a digital publication

(http://www.fhirt.org/news_Feb16-C.php, published 2016, accessed Dec. 2018) (cf. RPS 68).]

Yucca sect. *Chaenocarpa* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 22, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as comb. nov. but without basionym reference; typus given as *Yucca filamentosa*.]

Yucca sect. *Clistocarpa* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 22, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as comb. nov. but without basionym reference; typus given as "(lecto) USA, California, Bigelow s.n. NY, US".]

Yucca ser. *Arkansanae* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 26, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as comb. nov. but without basionym reference; typus given as "(lecto) USA, Arkansas, Engelmann 182, MO".]

Yucca ser. *Elatae* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 24, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as comb. nov. but without basionym reference; typus given (as lectotype) as *Yucca elata*.]

Yucca ser. *Lacandonicae* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 21, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as comb. nov. but without basionym reference; typus given as *Yucca elephantipes* [sic!].]

Yucca ser. *Rostratae* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 24, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as comb. nov. but without basionym reference; typus given (as lectotype) as *Yucca rostrata*.]

Yucca ser. *Validae* Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 21, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as comb. nov. but without basionym reference; type given as *Yucca valida*.]

Yucca muscipulaA yala-Hernández & al., Phytotaxa 543(2): 104, 106-108, ills., 2022. Typus: Rios-Gómez & al. 2046: Mexico, Hidalgo (MEXU, CIIDIR, DES, FEZA, UAMIZ).

AIZOACEAE

Namaquanthus cephalophylloides Klak, Haseltonia 29: 21-22, ills., 2022. Typus: Klak 2917: RSA, Northern Cape (BOL). [Print version dated 27. Nov. 2022 on the inside cover, digital version on BioOne dated 8. March 2023.]

Smicrostigma warmwaterbergense Klak, Haseltonia 29: 18-19, ills., 2022. Typus: Bruyns 14033: RSA, Western Cape, Montagu (BOL, NBG). [Print version dated 27. Nov. 2022 on the inside cover, digital version on BioOne dated 8. March 2023.]

APOCYNACEAE

Brachstelma kumaonense(Kamal Kishor & al.) Jayanthi, Fl. India (new series) 17: 27, 2022. Basionym: *Ceropegia kumaonensis*.

Ceropegia dolichocarpa (O. Schwartz) Thulin & Al-Hawshabi, Nordic J. Bot. 2022(12: e03692): 3, ills. (pp. 2-3), 2022. Basionym: *Caralluma dolichocarpa*.

Ceropegia globosa (Thulin & Hjertson) Thulin, Nordic J. Bot. 2022(12: e03692): 4, ills., 2022. Basionym: *Echidnopsis globosa*.

Ceropegia heidukiae D. Styles & Meve, Phytotaxa 497(1): 21-24, ills., 2021. Typus: Styles & Heiduk 5884: RSA, KwaZulu-Natal (NU, BRNH). [Omitted previously.]

Ceropegia jilongensisX. D. Ma & J. Y. Shen, Taiwania 67(1): 93-95, ills., 2022. Typus: Ma & al. XTBG-HIM 1492: China, Xizang (HITBC).

Ceropegia kumaonensis Kamal Kishor & al., Phytotaxa 571(1): 86-88, ills., 2022. Typus: Kishor 2512: India, Uttarakhand (BSD,

WII).

Ceropegia lubangoensis Bruyns, Haseltonia 29: 62-65, ills., 2022. Typus: Bruyns 13311: Angola, Huila (BOL, LUBA). [Print version dated 27. Nov. 2022 on the inside cover, digital version on BioOne dated 8. March 2023.]

Ceropegia luzhiensis X. D. Ma & J. Y. Shen, Nordic J. Bot. 2022(4: e03505): 2-3, ills., 2022. Typus: Ma & al. 2578: China, Yunnan (HITBC, HITBC).

Ceropegia pseudolugardiae Bruyns, Haseltonia 29: 59, ills. (pp. 60, 65), 2022. Typus: Bidgood & al. 949: Tanzania, Dodoma, Mpwapwa (K, EA). [Print version dated 27. Nov. 2022 on the inside cover, digital version on BioOne dated 8. March 2023.]

Ceropegia vietnamensis Nguyen-Phi & Luu, Acad. J. Biol. 44(4): 20-22, ills., 2022. Typus: Nguyen Phi Nga & Le Van Son 829: Vietnam, Ba Ria-Vung Tau Prov. (SGN, PHH, SGN).

Cynanchum olimpanjehy Rzepecky & Meve, Haseltonia 28: 89-91, ills., 2022. Typus: Newton 6320: Madagascar, sine loco (UBT, ZSS). [Dated 30. 12. 2021 on the inside front cover, but publication date given as 23. 2. 2022 in the digital version on BioOne.]

Hoya boycei Rodda & S. Rahayu, Gard. Bull. Singapore 74(1): 106-108, ills., 2022. Typus: Boyce & al. 305: Brunei, Belait (BRUN, K).

Hoya curtisissp. *collariata* S. Rahayu & Rodda, Gard. Bull. Singapore 74(1): 109-110, ills., 2022. Typus: Rahayu 1337: Indonesia, Central Kalimantan (BO).

Hoya dulitensis Rodda & S. Rahayu, Gard. Bull. Singapore 74(1): 111-113, ills., 2022. Typus: Anonymus in Richards 1637: Malaysia, Sarawak (K, OXF).

Hoya gaultierensis Rodda & Simonsson, Blumea 67(2): 143-145, ills., 2022. Typus: Gjellerup 890: Indonesia, Papua Prov. (L, BO).

Hoya kaikoena S. Rahayu & Rodda, Gard. Bull. Singapore 74(1): 114-115, ills., 2022. Typus: Rahayu 1341: Indonesia, West Kalimantan (BO).

Hoya kapuasensis S. Rahayu & Rodda, Gard. Bull. Singapore 74(1): 116-118, ills., 2022. Typus: Rahayu 1333: Indonesia, West Kalimantan (BO).

Hoya kerangasensis Rodda & S. Rahayu, Gard. Bull. Singapore 74(1): 118-120, ills., 2022. Typus: Ibrahim Abdullah s.n.: Brunei, Tem-

burong (BRUN).

- Hoya krusensterniana** ssp. **laticorolla** Simonsson & Rodda, *Blumea* 67(2): 144-145, ills., 2022. Typus: Henty & al. NGF 42752: Papua New Guinea, Western Distr. (L, LAE).
- Hoya liddleana** Simonsson & Rodda, *Blumea* 67(2): 145-147, ills., 2022. Typus: Simonsson & Nyhuus NS 0116L: Papua New Guinea, Milne Bay Prov. (SING).
- Hoya longlingensis** E. F. Huang, *Taxonomy* 2(1): 102-103, ills. (p. 100), 2022. Typus: Huang 202104070013: China, Yunnan (IB-SC).
- Hoya lucida** Simonsson & Rodda, *Blumea* 67(2): 146-149, ills., 2022. Typus: Rodda & Yap MR2143: Papua New Guinea, Morobe Prov. (SING, K, L, LAE).
- Hoya mamasa** S. Rahayu & al., *Gard. Bull. Singapore* 74(2): 211-213, ills., 2022. Typus: Rahayu 1315: Indonesia, Sulawesi, West Sulawesi (BO).
- Hoya mamasa** ssp. **longicorolla** S. Rahayu & al., *Gard. Bull. Singapore* 74(2): 214-215, ills., 2022. Typus: Aspar 002: Indonesia, Sulawesi, South Sulawesi (CEB).
- Hoya peltata** Rodda & S. Rahayu, *Gard. Bull. Singapore* 74(1): 121-123, ills., 2022. Typus: Meijer 1973: Indonesia, North Kalimantan (K, BO).
- Hoya polypus** S. Rahayu & Rodda, *Gard. Bull. Singapore* 74(1): 123-124, ills., 2022. Typus: Rahayu 1355: Indonesia, East Kalimantan (BO).
- Hoya pulleana** Rodda & Simonsson, *Blumea* 67(2): 150-152, ills., 2022. Typus: Pulle 1217: Indonesia, Papua Prov. (L, BO).
- Hoya sichuanensis** E. F. Huang, *Taxonomy* 2(1): 104, ills. (p. 101), 2022. Typus: Huang 20180030003: China, Sichuan (IBSC).
- Hoya tarikuensis** Rodda & Simonsson, *Blumea* 67(2): 152-153, ills., 2022. Typus: Docters van Leeuwen 9869: Indonesia, Papua Prov. (L, K).
- Hoya towutiensis** S. Rahayu & al., *Gard. Bull. Singapore* 74(2): 209-210, ills., 2022. Typus: Rahayu 1277: Indonesia, Sulawesi, South Sulawesi (BO).

ASPHODELACEAE

- Aloe archeri** ssp. **rendilliorum** (L. E. Newton) L. E. Newton, *Bradleya* 40: 149, ills. (pp. 145-146), 2022. Basionym: *Aloe rendilliorum*.
- Aloe davyana** var. **magdae** Gideon F. Smith, *Phytotaxa* 536(3): 266-267, ills. (pp. 262-264), 2022. Typus: Smith 1160: RSA, Free State (PRU).
- Aloe hankeyi** Gideon F. Smith & Figueiredo, *Phytotaxa* 549(1): 124-125, ills. (p. 123), 2022. Typus: Smith 1175: RSA, Limpopo (PRU).
- Aloe** ×**thammii** Gideon F. Smith, *Haseltonia* 28: 23-24, ills. (pp. 22-23), 2022. Typus: Smith 1074: RSA, Western Cape (PRU). [= *Aloe arborescens* × *A. thraskii*, naturally occurring. Dated 30. 12. 2021 on the inside front cover, but publication date given as 23. 2. 2022 in the digital version on BioOne.]
- Aloiampelos tenuior** var. **ernstii** Gideon F. Smith & Figueiredo, *Phytotaxa* 571(1): 94-95, ills. (p. 93), 2022. Typus: Smith & Figueiredo 42: RSA, Western Cape (cult.) (PRU).
- Bulbine sclectium** var. **an** Jaarsveld & Harrower, *Bradleya* 40: 138-139, ills. (pp. 138-140, 142-143), 2022. Typus: van Jaarsveld & Harrower 26347: RSA, Eastern Cape (NBG).
- Gasteria disticha** var. **marxii** van Jaarsveld & Tribble, *Bradleya* 40: 130-131, ills. (pp. 132, 134), 2022. Typus: Marx s.n.: RSA, Western Cape (NBG).

ASTERACEAE

- Senecio namibensis** Swanepoel & A. E. van Wyk, *Phytotaxa* 571(2): 104-107, ills., 2022. Typus: Swanepoel 585: Namibia, Kunene Region (WIND, PRE, PRU).
- ×**Senecurio delphinatifolius** (G. F. Smith & Figueiredo) J. M. H. Shaw, *CactusWorld* 40(1): 70, ill., 2022. Basionym: ×*Bacurio delphinatifolius*. [= *Senecio articulatus* × *Curio rowleyanus*.]

BALSAMINACEAE

- Impatiens kaweesakii** Suksathan, *Impatiens* Thailand, 150-153, ills., 2022. Typus: Suksathan & al. 4676: Thailand, Loei (QBG).
- Impatiens poomae** Suksathan & Ruchisansakun, *Impatiens* Thailand, 180-182, ills., 2022. Typus: Pooma & al.: Thailand, Chumphon (BKF).

BROMELIACEAE

- Dyckia pseudodelicata** Büneker & Mariath, *Phytotaxa* 550(1): 60-62, ills. (pp. 61, 63-64), 2022. Typus: Büneker & al. 913: Brazil, Rio Grande do Sul (ICN, RB, SMDB).
- Hechtia anarosa** Siekkinen & al., *Syst. Bot.* 47(1): 191, ills. (p. 193), 2022. Typus: Hernández-Cárdenas & Lara-Godínez 2449: Mexico, Puebla (UAMIZ, MEXU).
- Hechtia dasylirioides** Hernández-Cárdenas & al., *Syst. Bot.* 47(1): 191-195, ills., 2022. Typus: Hernández-Cárdenas & al. 2443: Mexico, Puebla (UAMIZ).
- Hechtia espejoana** Siekkinen & al., *Syst. Bot.* 47(1): 194-197, ills., 2022. Typus: Espejo-Serna & Hernández-Cárdenas 7734: Mexico, Puebla (UAMIZ, MEXU).
- Hechtia longissimifolia** Hernández-Cárdenas & al., *Syst. Bot.* 47(1): 196, ills. (p. 198), 2022. Typus: Hernández-Cárdenas & al. 2435: Mexico, Puebla (UAMIZ, MEXU).
- Hechtia microcarpa** Siekkinen & al., *Syst. Bot.* 47(1): 199-200, ills., 2022. Typus: Siekkinen & Hernández-Cárdenas 1567: Mexico, Puebla (UAMIZ).
- Hechtia minimiflora** Hernández-Cárdenas & al., *Syst. Bot.* 47(1): 201-202, ills., 2022. Typus: Hernández-Cárdenas & Lara-Godínez 2431: Mexico, Puebla (UAMIZ).
- Hechtia sanchezii** I. Ramírez & C. T. Hornung, *Bot. Sci.* 101(1): 315-319, ills., 2022. Typus: Zamudio 13454: Mexico, San Luis Potosí, Mun. Villa Juárez (IEB, CICY, UAMIZ). [Digital version published Nov. 2022, print version 2023.]
- Hechtia vicesphaeroblasta** Siekkinen & al., *Syst. Bot.* 47(1): 201-204, ills., 2022. Typus: Hernández-Cárdenas & al. 2441: Mexico, Puebla (UAMIZ).
- Orthocryptanthus** (Leme) Leme & al., *Phytotaxa* 544(2): 145, 2022. Basionym: *Orthophytum* subgen. *Orthocryptanthus*. Typus:

Orthophytum vasconcelosianum.

- Orthocryptanthus arcanus** (Leme) Leme & al., *Phytotaxa* 544(2): 148, ills. (p. 147), 2022. Basionym: *Orthophytum arcanum*.
- Orthocryptanthus vasconcelosianus** (Leme) Leme & al., *Phytotaxa* 544(2): 149, ills. (p. 147), 2022. Basionym: *Orthophytum vasconcelosianum*.

CACTACEAE

- Acanthocalycium klinglerianum** (Cárdenas) Lodé, *Cact.-Advent. Int.* (Almeria) 32(1): 52, 2022. Basionym: *Echinopsis klingleriana*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Ariocarpus xpailanus* Schrempf, *Turbi-Now* 30: 12-13, ills., 2022. *Nom. inval.* (ICN Art. 39.2, 40.1). [= *Ariocarpus retusus* ssp. *furfuraceus* × *A. fissuratus* ssp. *lloydii* (?).]
- Arrojadoa penicillata** ssp. **grandis** N. P. Taylor & Zappi, *Bradleya* 40: 76-77, ills., 2022. Typus: Zappi & al. 5112: Brazil, Bahia (UB, HUEFS, RB).
- Arrojadoa penicillata** ssp. **minensis** N. P. Taylor & Zappi, *Bradleya* 40: 75-76, ills., 2022. Basionym: *Arrojadoa penicillata* var. *spinosior*.
- Aylostea berchtiana** Diers & Jucker, *Succulenta* 101(4): 173-176, ills., 2022. Typus: Jucker 452: Bolivia, Chuquisaca (not indicated). [The holotype indication is typographically challenging; it starts in the green block of text with the diagnosis but continues as first line in the ordinary text below.]
- Bolivocereus simius-cauda* Lodé, *Cact.-Adv. ent. Int.* (Almeria) 34(121): 91, 2022. Basionym: *Hildewintera colademononis* treated as illegitimate new name.]
- Caerulocereus** Guiggi, *Cactology* 5(Suppl. 13): 4, 2022. Typus: *Pilosocereus bohlei*.
- Caerulocereus bohlei** (Hofacker) Guiggi, *Cactology* 5(Suppl. 13): 4, ills. (p. 5), 2022. Basionym: *Pilosocereus bohlei*.
- Cephalocereus novus** (P. V. Heath) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(2-1): 1, 2022. Basionym: *Carnegiea nova*.
- Cochemiea mazatlanensis** (K. Schumann ex Gürke) D. Aquino & Dan. Sánchez, *PhytoKeys* 188: 128, 2022. Basionym: *Mammillaria mazatlanensis*.

- Copiapoa coquimbanassp. wagenknechtii** (F. Ritter) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 2, 2022. Basionym: *Copiapoa coquimbana* var. *wagenknechtii*.
- Copiapoa echinoides** ssp. **cuprea** (F. Ritter) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 2, 2022. Basionym: *Copiapoa cuprea*.
- Copiapoa hoffmanniana** Pumarino & Blando, *Piante Grasse* 42(4): 145-148, ills. (pp. 144-154), 2022. Typus: Pumarino & Blando Big 230: Chile, Región de Atacama, Chañaral (SGO 167657).
- ×*Corybergia* Heijnsdijk, *Succulenta* 101(3): 108, 2022. *Nom. inval.* (ICN Art. 36.1b). [Published in provisional manner ("wellicht ×*Corybergia*") here and also in the Italian and English versions published in *Piante Grasse* 43(1): 21, 2023.] = *Coryphantha* × *Leuchtenbergia*.
- Coryphantha** sect. **Clavatae** (Dicht & A. Lüthy) Dan. Sánchez & D. Aquino, *PhytoKeys* 188: 147, 2022. Basionym: *Coryphantha* ser. *Clavatae*.
- Coryphantha** sect. **Corniferae** (Dicht & A. Lüthy) Dan. Sánchez & D. Aquino, *PhytoKeys* 188: 145, 2022. Basionym: *Coryphantha* ser. *Corniferae*.
- Coryphantha** sect. **Durangenses** Dan. Sánchez & D. Aquino, *PhytoKeys* 188: 146, 2022. [Typus: *Coryphantha durangensis* Britton & Rose.]
- Coryphantha** sect. **Echinoideae** (Dicht & A. Lüthy) Dan. Sánchez & D. Aquino, *PhytoKeys* 188: 148, 2022. Basionym: *Coryphantha* ser. *Echinoideae*.
- Coryphantha** sect. **Pycnacanthae** (Dicht & A. Lüthy) Dan. Sánchez & D. Aquino, *PhytoKeys* 188: 147, 2022. Basionym: *Coryphantha* ser. *Pycnacanthae*.
- ×**Cylindronia** M. A. Baker & al., *Haseltonia* 29: 14, 2022. Typus: *Grusonia robertsii*. = *Cylindropuntia* × *Grusonia*. Print version dated 27. Nov. 2022 on the inside front cover, digital version on BioOne dated 8. March 2023.
- ×**Cylindronia robertsii** (Rebman pro sp.) M. A. Baker & al., *Haseltonia* 29: 14, 2022. Basionym: *Grusonia robertsii*. [= *Cylindr opuntia alcahes* ssp. *alcahes* × *Grusonia invicta*. Print version dated 27. Nov. 2022 on the inside cover, digital version on BioOne dated 8. March 2023.]
- Cylindropuntia fulgidassp. mamillata** (A. Schott ex Engelmann) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 2, 2022. Basionym: *Opuntia mamillata*.
- Deamia funis** Hammel & S. Arias, *Phytotaxa* 576(2): 221-223, ills., 2022. Typus: Stevens & Montiel 39242: Nicaragua, Matagalpa (MO, HULE).
- Disocactus blomianus** (Kimmach) Lodé, *Cact.-Advent. Int. (Almeria)* 32(1): 52, 2022. Basionym: *Heliocereus aurantiacus* var. *blomianus*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Disocactus heterodoxus** (Standley & Steyermark) Lodé, *Cact.-Advent. Int. (Almeria)* 32(1): 52, 2022. Basionym: *Heliocereus heterodoxus*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Disocactus hondurensis** (Kimmach) Lodé, *Cact.-Advent. Int. (Almeria)* 32(1): 53, 2022. Basionym: *Disocactus nelsonii* var. *hondurensis*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Echinocactus horizontalonius** ssp. **australis** M. A. Baker, *Diversity (Basel)* 14(12): 1020: 11, ills. (pp. 3, 12), 2022. Typus: Bárcenas & Luna T-115: Mexico, Guanajuato (MEXU 638114).
- Echinocereus adustus** ssp. **keizerae** W. Blum & Dosedal, *CactusWorld* 40(1): 16, ills. (pp. 15-17), 2022. Typus: Dosedal 189: Mexico, Chihuahua (CIIDIR).
- Echinocereus engelmannii** ssp. **acicularis** (L. D. Benson) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 2, 2022. Basionym: *Echinocereus engelmannii* var. *acicularis*.
- Echinocereus engelmannii** ssp. **chrysoctrus** (Engelmann & J. M. Bigelow) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 2, 2022. Basionym: *Cereus engelmannii* var. *chrysoctrus*.
- Echinocereus engelmannii** ssp. **howei** (L. D. Benson) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 3, 2022. Basionym: *Echinocereus engelmannii* var. *howei*.

- Echinocereus engelmannii** ssp. **munzii** (Parish) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 3, 2022. Basionym: *Cereus munzii*.
- Echinocereus engelmannii** ssp. **porphyrogenitus** M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 3, 2022. Basionym: *Echinocereus engelmannii* var. *purpureus*.
- Echinocereus engelmannii** ssp. **xiphizon** M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 2, 2022. Basionym: *Echinocereus engelmannii* var. *armatus*.
- Echinocereus enneacanthus** ssp. **carnosus** (Rümpel) M. H. J. van der Meer, Cact. Phantast. 2022(1-1): 3, 2022. Basionym: *Echinocereus carnosus*.
- Echinocereus perplexus** W. Blum & A. P. Campos, Echinocereenfreund 36(Sonderausgabe): 206-207, ill. (pp. 208, 210-219), 2023. Typus: Rodriguez 293: USA: Texas. (SRSC 34911).
- Echinocereus rebmanii** W. Blum & R. Goris, Echinocereenfreund 36(Sonderausgabe): 194-195, ill. (pp. 196, 201-205), 2023. Typus: Rebman 2356: Mexico: Baja California Sur (ASU 107663).
- Echinocereus scheeris** ssp. **cucumis** (W erdermann) W. Blum & T. Oldach, Echinocereenfreund 36(Sonderausgabe): 190, ill. (pp. 190-193), 2023. Basionym: *Echinocereus cucumis*.
- Echinocereus viridiflorus** ssp. **neocapillus** (D. Weniger) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 3, 2022. Basionym: *Echinocereus chloranthus* var. *neocapillus*.
- Echinocereus zapalinamensis** W. Blum & J. Flores Ventura, Echinocereenfreund 35(Sonderausgabe 2022): 339, 342, ill. (pp. 338, 346-369), 2022. Typus: Hinton 29975: Mexico, Coahuila (GBH, ANSM, CIIDIR, MEXU).
- Epithelantha spiniosior** ssp. **huastecana** (D. Donati & Zanovello) Lodé, Cact.-Advent. Int. (Almeria) 32(1): 54, 2022. Basionym: *Epithelantha unguispina* ssp. *huastecana*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Eriosyce bicolor** (Akers & Buining) Lodé, Cact.-Advent. Int. (Almeria) 32(1): 54, 2022. Basionym: *Islaya bicolor*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Eriosyce chilensis** ssp. **albidiflora** (F. Ritter) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 3, 2022. Basionym: *Pyrrhocactus chilensis* var. *albidiflorus*.
- Eriosyce curvispina** ssp. **aconcaguensis** (F. Ritter) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 4, 2022. Basionym: *Pyrrhocactus aconcaguensis*.
- Eriosyce curvispina** ssp. **choapensis** (F. Ritter) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 4, 2022. Basionym: *Pyrrhocactus choapensis*.
- Eriosyce curvispina** ssp. **mutabilis** (F. Ritter) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 4, 2022. Basionym: *Pyrrhocactus horridus* var. *mutabilis*.
- Eriosyce curvispina** ssp. **robusta** (F. Ritter) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 4, 2022. Basionym: *Pyrrhocactus robustus*.
- Eriosyce islayensis** ssp. **divaricatiflora** (F. Ritter) Lodé, Cact.-Advent. Int. (Almeria) 32(1): 54, 2022. Basionym: *Islaya divaricatiflora*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Eriosyce jussieui** (Monville ex Salm-Dyck) P. C. Guerrero & Helmut Walter, Phytotaxa 550(2): 93, 2022. Basionym: *Echinocactus jussieui*.
- Eriosyce krainziana** (F. Ritter) Lodé, Cact.-Advent. Int. (Almeria) 32(1): 55, 2022. Basionym: *Islaya krainziana*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Eriosyce marksiana** ssp. **lissocarpa** (F. Ritter) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 4, 2022. Basionym: *Pyrrhocactus lissocarpus*.
- Espostoopsis dybowskii** ssp. **contasensis** N. P. Taylor & Zappi, Bradleya 40: 86-87, ill., 2022. Typus: Zappi & al. 5113: Brazil, Bahia (UB, HUEFS).
- Eulychnia elata** (F. Ritter) Lodé, Cact.-Advent. Int. (Almeria) 32(1): 55, 2022. Basionym: *Eulychnia acida* var. *elata*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made avail-

- able.]
- Facheiroa squamosa** ssp. **chaetacantha** (F. Ritter) N. P. Taylor & Zappi, *Bradleya* 40: 87, ill. (p. 85), 2022. Basionym: *Zehntnerella chaetacantha*.
- Ferocactus echidnessp. victoriensis** (Rose) Lodé, *Cact.-Advent. Int. (Almeria)* 32(1): 56., 2022. Basionym: *Echinocactus victoriensis*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Frailea gracillima** ssp. **machadoi** Hofacker & al., *Kakt. and. Sukk.* 73(4): 98, ill. (pp. 97-104), 2022. Typus: Machado & Paganucci de Queiroz 870: Brazil, Rio Grande do Sul (ZSS 28140).
- Gymnocalycium ×applanatum** Repka & Frélich, *Folia Geobot.* 56(4): 263-264, ill. (pp. 262, 265), 2022. Typus: Repka 748: Argentina, Córdoba, Pocho Dept. (CORD). [= *Gymnocalycium capillense* × *G. intertextum*, naturally occurring.]
- Gymnocalycium arzbergeri** Schädlich, *Schütziana* 13(3): 8-11, ill. (pp. 5-12), 2022. Typus: Schädlich 1201: Paraguay, Presidente Hayes (WU 4038).
- Gymnocalycium damsii** var. **marekiorum** (Milt) Nycz, *Cactaceae etc.* 32(3): 109, 2022.
- ×**Leia** M. J. H. van der Meer, *Cact. Phantast.* [n.s.] 2022(2-1): 2, 2022. = *Leucostele* × *Soehrensia*.
- ×**Leia cabreræ** (R. Kiesling) M. J. H. van der Meer, *Cact. Phantast.* [n.s.] 2022(2-1): 2, 2022. Basionym: *Trichocereus ×cabreræ*.
- Lobivia bridgesi**ssp. **v allegrandensis** (Cárdenas) Lodé, *Cact.-Advent. Int. (Almeria)* 32(1): 56, 2022. Basionym: *Echinopsis vallegrandensis*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Lobivia bridgesii** ssp. **yungasensis** (F. Ritter) Lodé, *Cact.-Advent. Int. (Almeria)* 32(1): 56, 2022. Basionym: *Echinopsis yungasensis*. [First published 2020 invalidly under ICN Art. 29.1 (no ISSN), but effectively published in Sept. 2022 when a pdf with ISSN was made available.]
- Mammillaria arreolae** P. Carrillo & Ortiz-Brunel, *Bot. Sci.* 101(2): 622-623, ill. (pp. 626, 628), 2022. Typus: Ortiz-Brunel & Carrillo-Reyes 887: Mexico, Jalisco (IBUG, MEXU). [Published 15. Nov. 2022 as preprint "Online first"; official digital publication March 2023, print version May 2023.]
- Mammillaria blossfeldianasp. shurlyana** (H. E. Gates) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 4, 2022. Basionym: *Mammillaria shurlyana*.
- Mammillaria morentianiana** González-Zamora & al., *Willdenowia* 52(3): 363-365, ill., 2022. Typus: González-Zamora 11: Mexico, San Luis Potosí (IBUG, SLPMP).
- Mammillaria nanasp. leucantha** (Bödeker) Lodé, *Cact.-Advent. Int. (Almeria)* 34(121): 86, ill. (p. 87, seeds), 2022. Basionym: *Mammillaria leucantha*. *Incorrect name* (ICN Art. 11.4, Ex. 10). [The basionym of the combination has priority over the species name.]
- Mammillaria schumannii**ssp. **globosa** (R. Wolf) Lodé, *Cact.-Advent. Int. (Almeria)* 34(121): 86, ill. (p. 87, seeds), 2022. Basionym: *Mammillaria schumannii* var. *globosa*.
- Mammillaria wrighti**ssp. **viridiflora** (Britton & Rose) Lodé, *Cact.-Advent. Int. (Almeria)* 34(121): 89, ill. (p. 88), 2022. Basionym: *Neomammillaria viridiflora*.
- Matucana charlesiorum** Hoxey, *CactusWorld* 40(2): 84-85, ill., 2022. Typus: Charles 1315.01: Peru, La Libertad (GIB 2021005).
- Matucana chrysacantha** Hoxey & G. J. Charles, *CactusWorld* 40(2): 86-87, ill., 2022. Typus: Charles 1320.01: Peru, Cajamarca (GIB 2021009).
- Matucana gigantea** G. J. Charles, *CactusWorld* 40(2): 82-83, ill., 2022. Typus: Charles 548.01: Peru, Ancash (GIB 2021007).
- Matucana pughii** G. J. Charles, *CactusWorld* 40(2): 87-88, ill., 2022. Typus: Charles 1236.01: Peru, La Libertad (GIB 2021010).
- Matucana roseiflora** (G. J. Charles) G. J. Charles & Hoxey, *CactusWorld* 40(2): 82, ill., 2022. Basionym: *Matucana oreodoxa* ssp. *roseiflora*.
- Melocactus curvispinus** ssp. **guitarti** (León) Lodé, *Cact.-Advent. Int. (Almeria)* 34(121): 90, 2022. Basionym: *Melocactus guitarti*.
- Melocactus inconcinus** ssp. **parvus** N. P. Taylor & Albuquerque-Lima, *Bradleya* 40: 82-83, ill., 2022. Typus: Albuquerque-Lima 53: Brazil, Pernambuco (UFP).
- Melocactus lagunaensis** (Z. Mészáros) D. Barrios & Majure, *Taxon* 71(5): 1005, 2022. Basionym: *Melocactus acunae* ssp. *lagu-*

- naensis*.
- Melocactus pedernalensis** ssp. **caloxanthus** (Hoxey & al.) Guiggi, *Cactology* 5(Suppl. 13): 1, 2022. Basionym: *Melocactus caloxanthus*.
- Melocactus pygmaeus** Hoxey & al., *Caribbean J. Sci.* 52(2): 210-214, ills., 2022. Typus: Hoxey & Gdaniec 61: Puerto Rico, Cordillera Central (US, UPRRP).
- Melocactus santiagoensis** D. Barrios & Majure, *Taxon* 71(5): 1007-1008, ills., 2022. Typus: Majure & al. 7004: Cuba, Santiago de Cuba (HAJB [2 sheets], DES).
- Micranthocereus goebelianus** (Vaupel) Lodé, *Cact.-Advent. Int.* (Almeria) 34(121): 89, ill. (p. 88, seeds), 2022. Basionym: *Cereus goebelianus*.
- Notocactus mammulosus** ssp. **submammulosus** (Lemaire) Lodé, *Cact.-Advent. Int.* (Almeria) 34(121): 91, 2022. Basionym: *Echinocactus submammulosus*.
- Notocactus mammulosus* ssp. **tur eckianus** (R. Kiesling) Lodé, *Cact.-Advent. Int.* (Almeria) 34(121): 91, 2022. Basionym: *Parodia tureckiana*. *Nom. inval.* (ICN Art. 33.3). [First published invalidly (ICN 2025 Art. 41.4) by Prestlé, *Minimus* 18(2): 25, 1997 (cf. RPS 48).]
- Oehmea sphacelata** (Martius) Guiggi, *Cactology* 5(Suppl. 13): 2, 2022. Basionym: *Mammillaria sphacelata*.
- Oehmea sphacelata** ssp. **viperina** (J. A. Purpus) Guiggi, *Cactology* 5(Suppl. 13): 2, 2022. Basionym: *Mammillaria viperina*.
- Oehmea tonalensis** (D. R. Hunt) Guiggi, *Cactology* 5(Suppl. 13): 3, 2022. Basionym: *Mammillaria tonalensis*.
- Opuntia elata** ssp. **delaetiana** (F. A. C. Weber) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 5, 2022. Basionym: *Opuntia elata* var. *delaetiana*.
- Opuntia elata** ssp. **rioplatensis** (F. Font) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 5, 2022. Basionym: *Opuntia rioplatensis*.
- Opuntia engelmannii** ssp. **cuija** (Griffiths & Hare) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 5, 2022. Basionym: *Opuntia engelmannii* var. *cuija*.
- Opuntia engelmannii** ssp. **laevis** (J. M. Coulter) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 5, 2022. Basionym: *Opuntia laevis*.
- Opuntia galapageia** ssp. **gigantea** (J. T. Howell) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 5, 2022. Basionym: *Opuntia echios* ssp. *gigantea*.
- Opuntia galapageia** ssp. **macrocarpa** (E. Y. Dawson) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 5, 2022. Basionym: *Opuntia galapageia* var. *macrocarpa*.
- Opuntia galapageia** ssp. **profusa** (E. F. Anderson & Walkington) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 6, 2022. Basionym: *Opuntia galapageia* var. *profusa*.
- Opuntia galapageia** ssp. **saxicola** (J. T. Howell) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 6, 2022. Basionym: *Opuntia saxicola*.
- Opuntia kingstoniana** Guiggi, *Phytotaxa* 573(2): 219-220, ills., 2022. Typus: Rose 18503: Jamaica, Kingston (US, NY).
- Opuntia littoralis** ssp. **pier cei** (Fosberg) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 6, 2022. Basionym: *Opuntia phaeacantha* var. *pieercei*.
- Opuntia megapotamica** ssp. **chadihuensis** (Oakley & Villamil) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 6, 2022. Basionym: *Opuntia megapotamica* var. *chadihuensis*.
- Opuntia monacantha** fa. **jejuensis** Jekuk Kim ex Y. S. Yang, *Korean J. Pl. Resources* 35(6): 814, ills. (p. 810-812), 2022. Typus: Yang 202201: Korea, Jeju Prov. (JBM, JBM).
- Opuntia polyacantha** ssp. **nicholii** (L. D. Benson) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(1-1): 6, 2022. Basionym: *Opuntia nicholii*.
- Opuntia repens** ssp. **taylorii** (Britton & Rose) Guiggi, *Phytotaxa* 573(2): 222, 2022. Basionym: *Opuntia taylorii*.
- Parodia ritteriana** (Lisal & Kolarík) A. S. Oliveira & R. Pontes, *Phytotaxa* 542(2): 162, fig. 3a (p. 163), 2022. Basionym: *Notocactus ritterianus*.
- Pediocactus indranus** (Hochstätter) Hochstätter, *Cact.-Advent. Int.* (Almeria) 34(121): 9, ills. (p. 11), 2022. Basionym: *Pediocactus simpsonii* var. *indranus*.
- Pelecyphora abdita** (Repka & Vaško) D. Aquino & Dan. Sánchez, *PhytoKeys* 188: 130, 2022. Basionym: *Escobaria abdita*.
- Pelecyphora abdita** ssp. **tenuispina** (Perez-Badillo & al.) D. Aquino & Dan. Sánchez, *PhytoKeys* 188: 130, 2022. Basionym: *Es-*

- cobaria abdita* ssp. *tenuispina*.
- Pelecyphora alversonii** (J. M. Coulter) D. Aquino & Dan. Sánchez, PhytoKeys 188: 130, 2022. Basionym: *Cactus radiosus* var. *alversonii*.
- Pelecyphora chihuahuensis** (Britton & Rose) D. Aquino & Dan. Sánchez, PhytoKeys 188: 131, 2022. Basionym: *Escobaria chihuahuensis*.
- Pelecyphora chihuahuensis** ssp. **henricksonii** (Glass & R. A. Foster) D. Aquino & Dan. Sánchez, PhytoKeys 188: 132, 2022. Basionym: *Escobaria henricksonii*.
- Pelecyphora cubensis** (Britton & Rose) D. Aquino & Dan. Sánchez, PhytoKeys 188: 132, 2022. Basionym: *Coryphantha cubensis*.
- Pelecyphora dasyacantha** (Engelmann) D. Aquino & Dan. Sánchez, PhytoKeys 188: 132, 2022. Basionym: *Mammillaria dasyacantha*.
- Pelecyphora dasyacanthasp. chaffeyi** (Britton & Rose) D. Aquino & Dan. Sánchez, PhytoKeys 188: 133, 2022. Basionym: *Escobaria chaffeyi*.
- Pelecyphora duncanii** (Hester) D. Aquino & Dan. Sánchez, PhytoKeys 188: 133, 2022. Basionym: *Escobeseya duncanii*.
- Pelecyphora emskoetteriana** (Quehl) D. Aquino & Dan. Sánchez, PhytoKeys 188: 134, 2022. Basionym: *Mammillaria emskoetteriana*.
- Pelecyphora hesteri** (Y. Wright) D. Aquino & Dan. Sánchez, PhytoKeys 188: 135, 2022. Basionym: *Coryphantha hesteri*.
- Pelecyphora hesteri** ssp. **grata** (M. Kaplan & al.) D. Aquino & Dan. Sánchez, PhytoKeys 188: 135, 2022. Basionym: *Escobaria grata*.
- Pelecyphora laredoi** (Glass & R. A. Foster) D. Aquino & Dan. Sánchez, PhytoKeys 188: 135, 2022. Basionym: *Coryphantha laredoi*.
- Pelecyphora lloydii** (Britton & Rose) D. Aquino & Dan. Sánchez, PhytoKeys 188: 135, 2022. Basionym: *Escobaria lloydii*.
- Pelecyphora macromeris** (Engelmann) D. Aquino & Dan. Sánchez, PhytoKeys 188: 136, 2022. Basionym: *Mammillaria macromeris*.
- Pelecyphora macromeris** ssp. **runyonii** (Britton & Rose) D. Aquino & Dan. Sánchez, PhytoKeys 188: 136, 2022. Basionym: *Coryphantha runyonii*.
- Pelecyphora minima** (Baird) D. Aquino & Dan. Sánchez, PhytoKeys 188: 136, 2022. Basionym: *Coryphantha minima*.
- Pelecyphora missouriensis** (Sweet) D. Aquino & Dan. Sánchez, PhytoKeys 188: 137, 2022. Basionym: *Mammillaria missouriensis*.
- Pelecyphora missouriensis** ssp. **asperispina** (Bödeker) D. Aquino & Dan. Sánchez, PhytoKeys 188: 138, 2022. Basionym: *Coryphantha asperispina*.
- Pelecyphora robbinsorum** (W. H. Earle) D. Aquino & Dan. Sánchez, PhytoKeys 188: 139, 2022. Basionym: *Cochiseia robbinsorum*.
- Pelecyphora sneedii** (Britton & Rose) D. Aquino & Dan. Sánchez, PhytoKeys 188: 139, 2022. Basionym: *Escobaria sneedii*.
- Pelecyphora sneedii** ssp. **orcuttii** (Bödeker) D. Aquino & Dan. Sánchez, PhytoKeys 188: 140, 2022. Basionym: *Escobaria orcuttii*.
- Pelecyphora tuberculosa** (Engelmann) D. Aquino & Dan. Sánchez, PhytoKeys 188: 141, 2022. Basionym: *Mammillaria tuberculosa*.
- Pelecyphora vivipara** (Nuttall) D. Aquino & Dan. Sánchez, PhytoKeys 188: 142, 2022. Basionym: *Cactus viviparus*.
- Pelecyphora zilziana** (Bödeker) D. Aquino & Dan. Sánchez, PhytoKeys 188: 145, 2022. Basionym: *Coryphantha zilziana*.
- ×**Perenbergeria** M. H. J. van der Meer, Cact. Phanthast. [n.s.] 2022-1(2): 2, 2022. = *Pereskia* × *Leuenbergeria*.
- Pilosocereus catimbauensis** (N. P. Taylor & Albuquerque-Lima) N. P. Taylor & Albuquerque-Lima, Bradleya 40: 81, ill., 2022. Basionym: *Pilosocereus chrysostele* ssp. *catimbauensis*.
- Pilosocereus polygonus** ssp. **br evispinus** (Hoxey & Gdaniec) Guiggi, Cactology 5(Suppl. 13): 1, 2022. Basionym: *Pilosocereus brevispinus*.
- ×**Rhipsatoria** M. H. J. van der Meer, Bradleya 40: 97, 2022. = *Rhipsalis* × *Hatiora*, obtained in cultivation.
- ×**Rhipsatoria astra** Urano, Bradleya 40: 97, ill. (pp. 94-95), 2022. Typus: Urano s.n.: Japan (cult.) (TNS VS-1335015). [= *Rhipsalis cereuscula* × *Hatiora salicornioides*, obtained in cultivation.]
- ×**Rhodobergeria** M. H. J. van der Meer, Cact. Phanthast. [n.s.] 2022-1(2): 2, 2022. = *Rhodocactus* × *Leuenbergeria*.

×**Rhodeskia** M. H. J. van der Meer, Cact. Phanthast. [n.s.] 2022-1(2): 2, 2022. = *Rhodocactus* × *Pereskia*.

Rhodocactus bahiensis ssp. **minensis** (N. P. Taylor & Albuquerque-Lima) M. H. J. van der Meer, Cact. Phanthast. [n.s.] 2022-1(2): 2, 2022. Basionym: *Pereskia bahiensis* ssp. *minensis*.

Sclerocactus ilseae (Hochstätter) Hochstätter, Cact.-Advent. Int. (Almeria) 34(121): 7, ills. (p. 8), 2022. Basionym: *Sclerocactus wetlandicus* var. *ilseae*.

Sclerocactus mesae-verdae ssp. **depressus** O'Kane & al., Phytoneuron 2022-19: 1-4, ills., 2022. Typus: Clifford & Heil 36163: USA, New Mexico, San Juan County (SJNM, FLD).

Stenocactus xirregularis González-Zamora & al., Brittonia 75(1): 98-99, ills. (pp. 94, 97-98), 2022. Typus: González-Zamora 19: Mexico, Guanajuato (IBUG, MEXU). [E-published Dec. 2022, print issue 2023. = *Stenocactus pentacanthus* × *S. coptonogonus*, naturally occurring.]

Trichocereus macrogonus ssp. **sanpedro** M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 7, 2022. Basionym: *Trichocereus pachanoi* adopt "an epithet based on the widely known indigenous name "Cactus de San Pedro".]

Turbincarpus schmiedickeanus ssp. **kupcakii** (Halda & Horáček) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(1-1): 6, 2022. Basionym: *Turbincarpus macrochele* ssp. *kupcakii*.

Wigginsia horstii fa. **juvenaliformis** (F. Ritter) Ponomareva & V. Gapon, Kakt.-Klub 6(2): 49, ills. (p. 50), 2022. Basionym: *Wigginsia horstii* var. *juvenaliformis*.

Wigginsia horstii ssp. **prestlei** (N. Gerloff) Ponomareva & V. Gapon, Kakt.-Klub 6(2): 50, ills. (p. 51-52), 2022. Basionym: *Notoctactus neohorstii* var. *prestlei*.

Wigginsia sessiliflora ssp. **tetracantha** (Lemaire) W. R. Abraham, Internoto 43(1): 7, ills. (pp. 3-8), 2022. Basionym: *Echinocactus tetracanthus*.

Xiquexique xheptagonus N. P. Taylor & Albuquerque-Lima, Bradleya 40: 78, 2022. Typus: Albuquerque-Lima 51: Brazil, Pernambuco (UFP). [= *Xiquexique gounellei* ssp. *gounellei* × *X. tuberculatus*, naturally occurring.]

CRASSULACEAE

Aeonium canariense ssp. **longithyrsum** (Buchard) Cristini, Piante Grasse 42(3: Suppl.): 131, ills., 2022. Basionym: *Sempervivum canariense* ssp. *longithyrsum*.

Aeonium dodrantalessp. millennium (O. Arango) Cristini, Piante Grasse 42(3: Suppl.): 84, ills., 2022. Basionym: *Greenovia millennium*.

Aeonium xgarafiense (O. Arango) Cristini, Piante Grasse 42(Special): 143, 2022. Basionym: ×*Greenonium garafiense*.

Aeonium haworthii ssp. **volkeri** (E. Hernández & Bañares) Cristini, Piante Grasse 42(3: Suppl.): 88, ills., 2022. Basionym: *Aeonium volkeri*.

Aeonium xwildpretii nssp. **jñamense** Cristini, Piante Grasse 42(3: Suppl., English version): 133, 2022. Typus: Bañares s.n.: Spain, Canary Islands, El Hierro (TCF 37.976). [= *Aeonium arboreum* ssp. *holochrysum* × *A. canariense* ssp. *longithyrsum*, naturally occurring.]

Crassula nanshanchunensis (S. S. Ying) S. S. Ying, New Taxa New Names 5: 50, ills., 2022. Basionym: *Sedum nanshanchunense*.

×**Cremnophytum** Bischofberger, Sedum Soc. Newslett. 144: 7, 2022. = *Cremnophila* × *Pachyphytum*.

Echeveria andreae J. Reyes & L. E. Cruz-López, Revista Mex. Biodivers. 93(1: e933565): 2-5, ills., 2022. Typus: Reyes & al. 9171: Mexico, Oaxaca (MEXU).

Graptopetalum kristenii Etter & al., Phytotaxa 555(2): 140-144, ills., 2022. Typus: Etter & Kristen 3764: Mexico, Michoacán (IBUG, CIMI).

Graptopetalum trujilloi A. Vázquez & Rosales, Phytotaxa 532(3): 282, ills. (pp. 277, 283-285), 2022. Typus: Carrillo-Reyes & Carrillo-García 6335: Mexico, Jalisco. (IBUG, CIMI, ZEA).

×**Graptoposedum** 'Gerhard Koehres' Bischofberger, Sedum Soc. Newslett. 144: 8-9, ill., 2022. [= *Graptopetalum filiferum* × *Sedum sinforosanum*. The cultivar epithet is written as 'Koehres' in the title and on p. 11, but 'Köhres' in the caption to the figure on p. 8.]

Kalanchoe apiifolia D.-P. Klein & al., Candollea 77(2): 194-196, ills., 2022. Typus: Rakotavao & al.: Madagascar, Mahajanga (G, MO, P, TAN).

- Kalanchoe beharensis** Drake ‘Pixel’ Gideon F. Smith & Figueiredo, Kakt. and. Sukk. 73(11): 331-333, ills., 2022. Typus: Smith 1167: Cult. RSA (PRU). [A horticultural selection.]
- Kalanchoe dineshii** Syam Radh & Nampy, Anales Jard. Bot. Madrid 79(2: e127): 2-4, ills., 2022. Typus: Sasi & Nampy 137816: India, Kerala (CALI, CAL).
- Kalanchoe gideonsmithii** N. R. Crouch & Figueiredo, Phytotaxa 566(2): 234-238, ills., 2022. Typus: Smith 1153: RSA, KwaZulu-Natal (PRU).
- Kalanchoe klopperae** Gideon F. Smith & Figueiredo, Novon 30(1): 106-107, ills. (p. 105), 2022. Typus: Smith 1174: RSA, Gauteng (PRU).
- Kalanchoe marmorata** var. **somaliensis** (Baker) Gideon F. Smith, Phytotaxa 538(2): 107, ill. (p. 104), 2022. Basionym: *Kalanchoe somaliensis*.
- Kalanchoe ×robertsonii** Gideon F. Smith, Phytotaxa 561(1): 90, ills. (p. 89), 2022. Typus: Smith 1180: RSA, Gauteng, ex cult. (PRU). [= *Kalanchoe longiflora* × *K. rotundifolia*, obtained in cultivation.]
- Kalanchoe ×sogae** Gideon F. Smith & Figueiredo, Phytotaxa 572(1): 99-100, ills. (p. 101), 2022. Typus: Smith 1185: RSA, Gauteng, ex cult. (PRU). [= *Kalanchoe lateritia* × *K. sexangularis*, obtained in cultivation.]
- Kalanchoe tachingshuii** S. S. Ying, New Taxa New Names 5: 51-57, ills., 2022. Typus: Ying s.n.: Taiwan, Hualien County (NTUF).
- Kalanchoe ×trageri** Gideon F. Smith, Phytotaxa 550(1): 52-54, ills. (pp. 49-54), 2022. Typus: Smith 1165: RSA, Gauteng, ex cult. (PRU). [= *Kalanchoe blossfeldiana* × *K. pumila*.]
- Kalanchoe ×verdoorniae** Gideon F. Smith, Phytotaxa 568(1): 76-78, ills. (p. 74), 2022. Typus: Smith 1182: RSA, Gauteng, ex cult. (PRU). [= *Kalanchoe luciae* × *K. winteri*, obtained in cultivation.]
- Petrosedum** ser. **Pseudorecta** Afferni, Avonia 40(4): 349, 2022. [Typus: *Sempervivum sediforme* Jacquin.]
- Petrosedum** ser. **Recta** Afferni, Avonia 40(4): 349, 2022. [Typus: *Sedum pruinaum* Brotero.]
- Petrosedum* ser. *Reflexa* Afferni, Avonia 40(4): 349, 2022. *Nom. inval.* (ICN Art. 22.2). [Based on the type of the genus.]
- Petrosedum** subser. **Erecta** Afferni, Avonia 40(4): 349, 2022. [Typus: *Sedum sediforme* var. *dianium* O. Bolòs.]
- Phedimus daeamensis** T. Y. Choi & D. C. Son, PhytoKeys 212: 61-63, ills., 2022. Typus: Lee & So 0001: Korea, Gangwon-do (KH, KH).
- Rhodiola namlingensis** S. Y. Meng, Diversity (Basel) 14(4: 289): 10-11, ills., 2022. Typus: Meng & al. 2015091802: China, Xizang, Namling County (PEY, PEY).
- Rhodiola pauciflora** (Edgeworth) Pusalkar, Nelumbo 74(2): 165, 2022. Basionym: *Sedum pauciflorum*.
- Rhodiola wangiis** Y. Meng, Diversity (Basel) 14(4: 289): 7-9, ills., 2022. Typus: Meng & al. NHW0071: China, Xizang, Lhünzê County (PEY, PEY).
- Rhodiola yushuensis** S. Y. Meng & J. Zhang, Phytotaxa 548(1): 69-70, ills., 2022. Typus: Zhang C046: China, Qinghai (PEY, PE, PEY).
- Sedum axaxee** Art. Castro & al., Bot. Sci. 101(1): 305-306, ills., 2022. Typus: González-Bernal & Rojoas-Aguilar 420a: Mexico, Durango (CIIDIR, IBUG, MEXU). [Digital version published Nov. 2022, print version in 2023.]
- Sedum cirenianum** S. S. Ying, New Taxa New Names 4: 87-91, ills., 2022. Typus: Ying s.n.: Taiwan, Hualien County (NTUF). [First digitally published without specific ISBN number, and then re-issued with volume-specific number on 22. 9. 2022 (IPNI, accessed July 2025). Epithet arguably correctable to ‘cirenensis’, since named for the Ciren area in Taiwan.]
- Sedum dormiens** Cuevas & al., Phytotaxa 530(1): 80, ills. (pp. 81-82), 2022. Typus: Cuevas & al. 9882: Mexico, Jalisco (ZEA, IBUG, IEB).
- Sedum nanshanchunense** S. S. Y ing, New Taxa New Names 4: 92-97, ills., 2022. Typus: Ying s.n.: Taiwan, I-ian County (NTUF).
- Sedum parviflorum** S. S. Ying, New Taxa New Names 5: 39-43, ills., 2022. Typus: Ying s.n.: Taiwan, Taichung City (NTUF).
- Sedum ryukyuense** Takuro Ito, J. Jap. Bot. 97(4): 210, ills. (pp. 208-209), 2022. Basionym: *Sedum uniflorum* Hooker & Arnott . [Non *Sedum uniflorum* Rafinesque 1810 nec Howell 1898.]

- Sedum shaokouense** S. S. Ying, New Taxa New Names 4: 98-105, ills., 2022. Typus: Ying s.n.: Taiwan, Taichung City (NTUF). [First digitally published without specific ISBN number, and then re-issued with volume-specific number on 22. 9. 2022 (IPNI, accessed July 2025).]
- Sedum shengkuangense** S. S. Ying, New Taxa New Names 4: 106-112, ills., 2022. Typus: Ying s.n.: Taiwan, Taichung City (NTUF). [First digitally published without specific ISBN number, and then re-issued with volume-specific number on 22. 9. 2022 (IPNI, accessed July 2025).]
- Sedum tachingshuianum** S. S. Ying, New Taxa New Names 5: 44-49, ills., 2022. Typus: Ying s.n.: Taiwan, Hualien County (NTUF).
- Sedum triangulisepalum** T. S. Liu & N. J. Chung ex T. C. Hsu & S. W. Chung, Phytotaxa 547(2): 215, 2022. Typus: Chung 280: Taiwan, Hualien County (NTUF, NTUF). [Validation of the name *Sedum triangulosepalum* T. S. Liu & N. J. Chung 1977 (*nom. inval.*, ICN 2025 Art. 40.1).]
- Sempervivum** × **alatum** nssp. **luisae** (L. Gallo) M. H. J. van der Meer, Cact. Phantast. [n.s.] 2022(2-1): 2, 2022. Basionym: *Sempervivum* × *luisae*. [Interpreted as the hybrid *S. arachnoideum* × *S. tectorum* ssp. *arvense*.]
- × **Setophytum** Bischofberger, Sedum Soc. Newslett. 144: 7, 2022. = *Sedum* × *Graptopetalum* × *Pachyphytum*.
- Sinocrassula jiaozishanensis** Chao Chen & al., Phytotaxa 541(1): 13-16, ills., 2022. Typus: Chen & al. JZS1001: China, Yunnan (YUKU, YUKU).
- Sinocrassula parvifolia** S. S. Ying, New Taxa New Names 5: 28-38, ills. (incl. p. xvi), 2022. Typus: Ying s.n.: Taiwan, Taichung City (NTUF). [Sphalm. 'parvifolia'.]
- Sinocrassula shaolinchiana** S. S. Ying, New Taxa New Names 5: 20-28, ills., 2022. Typus: Ying s.n.: Taiwan, Taichung City (NTUF).
- Sinocrassula taiwaniana** S. S. Ying, New Taxa New Names 5: 9-19, ills., 2022. Typus: Ying s.n.: Taiwan, Taichung City (NTUF).

EUPHORBIACEAE

- Euphorbia boiteaui** Leandri 'Jorg' Aditya, Avonia 40(2): 154, ills. (pp. 153-155), 2022. [= *Euphorbia boiteaui* × *E. spirosticha*.]
- Euphorbia decepta** ssp. **gambkensis** (Marx) Bruyns, Euphorbia southern Afr. 1: 297, ills. (pp. 297-299), 2022. Basionym: *Euphorbia gambkensis*. [Sphalm. 'gamkaensis'.]
- Euphorbia douliotii**(Poisson) J.-P. Castillon, Euphorbia World 18(1): 21, 2022. Basionym: *Euphorbia rubrostriata* var. *douliotii*. [First published invalidly (ICN Art. 41.5) l.c. 17(2): 35, 2021.].
- Euphorbia duseimata** ssp. **pseudoduseimata** (A. C. White & al.) Bruyns, Euphorbia southern Afr. 1: 304, ills. (p. 305), 2022. Basionym: *Euphorbia pseudoduseimata*.
- Euphorbia hamata** var. **pedemontana** (L. C. Leach) Bruyns, Euphorbia southern Afr. 1: 437, ills. (pp. 438-440), 2022. Basionym: *Euphorbia pedemontana*.
- Euphorbia negromontana** ssp. **rimireptans** (Swanepoel) Bruyns, Euphorbia southern Afr. 2: 523, ills. (pp. 524-525), 2022. Basionym: *Euphorbia rimireptans*.
- Euphorbia pseudoglobosa** ssp. **nesemannii** (R. A. Dyer) Bruyns, Euphorbia southern Afr. 1: 172, 2022. Basionym: *Euphorbia nesemannii*.
- Euphorbia ravii** A. Narayana & K. Prasad, Taiwania 67(2): 229-232, ills., 2022. Typus: Narayana Swamy 44906: India, Andhra Pradesh (SKU, SKU).
- Euphorbia stellata** ssp. **micracantha** (Boissier) Bruyns, Euphorbia southern Afr. 2: 816, ills. (pp. 816-818), 2022. Basionym: *Euphorbia micracantha*.
- Euphorbia zazafotsyensis** J.-P. Castillon & Houyelle, Euphorbia World 18(1): 20, ills. (pp. 19-21), 2022. Typus: Du Puy & al. M678: Madagascar, Fianarantsoa (P. TAN).

HYACINTHACEAE

- Drimia globuligera** (Martínez-Azorín & al.) J. C. Manning, Bothalia 52(1: a2): 3, 2022. Basionym: *Geschollia globuligera*.
- Drimiopsis kikiae** Lebatha, CactusWorld 40(1): 69, 2022. Typus: Lebatha 045: RSA, KwaZulu-Natal (PUC, PRE). [First published invalidly (ICN 2025 Art. 36.1) l.c. 39(2): 163, ill. (p. 164), 2021, simultaneously with *Ledebouria kikiae*.]

LAMIACEAE

Coleus argentifolius (Ryding) A. J. Paton, *PhytoKeys* 129: 20, 2019. Basionym: *Plectranthus argentifolius*. [Omitted previously.]

MONTIACEAE

Calandrinia pectrophila J. G. West & Albrecht, *Telopea* 25: 324-325, ills., 2022. Typus: Telford 8677: Australia, New South Wales, Southern Tablelands (CBG, BRI, NSW).

Cistanthe josetomasallendeana Hershkovitz, *Int. J. Sci. Developm. Res.* 7(12): 794-795, fig. 2 (pp. 800-801), 2022. Typus: Hershkovitz 22-04: Chile, Coquimbo Region (SGO). [Apparently derived from a cross *Cistanthe chamissoi* × *C. vicina*.]

Cistanthe litoralis (Philippi) Carolin ex Hershkovitz, *Int. J. Sci. Developm. Res.* 7(12): 796, 2022. Basionym: *Calandrinia litoralis*.

Cistanthe subverticillata (Philippi) Hershkovitz, *Int. J. Sci. Developm. Res.* 7(12): 794, 2022. Basionym: *Calandrinia subverticillata*.

PIPERACEAE

Peperomia fundus-oculi Pino & al., *Haseltonia* 29: 30-34, ills., 2022. Typus: Pino & Sucelli 3340: Peru, Ayacucho, La Mar (USM). [Print version dated 27. Nov. 2022 on the inside cover, digital version on BioOne dated 8. March 2023.]

Peperomia pachyspadix Pino & al., *Haseltonia* 29: 27-30, ills., 2022. Typus: Pino & al. 3255: Peru, Huancavelica, Castrovirreyna (USM). [Print version dated 27. Nov. 2022 on the inside cover, digital version on BioOne dated 8. March 2023.]

Peperomia tairukouensis S. S. Ying, *New Taxa* New Names 4: 82-86, ills., 2022. Typus: Ying s.n.: Taiwan, Hualien County (NTUF). [First digitally published without specific ISBN number, and then re-issued with volume-specific number on 22. 9. 2022 (IPNI, accessed July 2025).]

PORTULACACEAE

Portulaca ferricola J. F. Ferraz & Hassemer, *Phytotaxa* 560(1): 72, ills. (pp. 73-74, 76), 2022. Basionym: *Portulaca mucronulata* var. *microphylla*.

RUSCACEAE

Beaucarnea ser. *Mexicanae* Hochstätter, *Cact.-Advent. Int.* (Almeria) 34(121): 13, 2022. *Nom. inval.* (ICN Art. 41.5). [Given as stat. nov., but without basionym reference.]

Dasyliiron ser. *Glaucophyllum* (Hochstätter) Hochstätter, *Cact.-Advent. Int.* (Almeria) 34(121): 15, 2022. Basionym: *Dasyliiron* sect. *Glaucophyllum*. *Nom. inval.* (ICN Art. 41.5).

Dasyliiron ser. *Quadrangulatae* (Trelease) Hochstätter, *Cact.-Advent. Int.* (Almeria) 34(121): 14, 2022. Basionym: *Dasyliiron* [?] *Quadrangulatae*. *Nom. inval.* (ICN Art. 41.5). [Given as stat. nov. but without basionym reference; type given as *Dasyliiron longissimum*.]

Dracaena disticha (R. H. Webb & L. E. Newton) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(2-1): 1, 2022. Basionym: *Sansevieria disticha*.

Dracaena mikephillipsii (R. H. Webb & L. E. Newton) M. H. J. van der Meer, *Cact. Phantast.* [n.s.] 2022(2-1): 1, 2022. Basionym: *Sansevieria mikephillipsii*.

Dracaena neobella N. Wei & al., *Phytotaxa* 514(1): 85, ill. (p. 86), 2021. Basionym: *Sansevieria bella*

Sansevieria subgen. **Capitulatus** Mbugua ex L. E. Newton & R. H. Webb, *Gen. Sansevieria Pictorial Guide Spec.* 19, 2022. [Typus: *Sansevieria kirkii* Baker. Type first given as *S. ehrenbergii* Schweinfurth ex Baker, but the inflorescence architecture of the type species does not fit the diagnosis given, and the type citation was switched with that of the simultaneously published subgen. *Paniculatus* (L. E. Newton & R. H. Webb, *Sansevieria* 20: 20-21, 2022). First published invalidly (ICN 2025 Art. 39.1, 39.2, 40.1) by Mbugua in Mwachala & Mbugua, *Fl. Trop. East Afr., Dracaenaceae*, 12, 2007.]

Sansevieria subgen. **Paniculatus** Mbugua ex L. E. Newton & R. H. Webb, *Gen. Sansevieria Pictorial Guide Spec.* 19, 2022. [Typus: *Sansevieria ehrenbergii* Schweinfurth

ex Baker. Type first given as *S. kirkii* Baker, but the inflorescence architecture of the type species does not fit the diagnosis given, and the type citation was switched with that of the simultaneously published subgen. *Capitulatus* (L. E. Newton & R. H. Webb, *Sansevieria* 20: 20-21, 2022). First published invalidly (ICN 2025 Art. 39.1, 39.2, 40.1) by Mbugua in Mwachala & Mbugua, *Fl. Trop. East Afr., Dracaenaceae*, 12, 2007.]

Sansevieria butleri R. H. Webb & L. E. Newton, *Cact. Succ. J. (US)* 94(3): 143-145, ills., 2022. Typus: Vitzeslav s.n.: Ethiopia, Oromia (DSM).

Sansevieria disticha R. H. Webb & L. E. Newton, *CactusWorld* 40(3): 201, ills. (pp. 201-203, 2022. Typus: Lavranos 23154: Somalia, Shabe (DSM).

Sansevieria lalakana T. C. Cole & T. G. Forrest, *Cact. Succ. J. (US)* 94(4): 187-188, ills. (pp. 188, 190), 2022. Typus: Cole 12118: Uganda, Lamwo Distr. (MUH).

Sansevieria malabensis R. H. Webb & L. E. Newton, *Cact. Succ. J. (US)* 94(3): 144-145, ills., 2022. Typus: Powys 337: Kenya, Wajir County (EA).

Sansevieria mikephillipsii R. H. Webb & L. E. Newton, *Sansevieria Online* 10(2: preprint article 1): 3, ills., 2022. Typus: Specks 20425: Tanzania, Iringa Region (DSM). [Valid publication is in the English-language preprint digitally published in advance of the German digital journal edition.]

Sansevieria yumbiensis T. G. Forrest & T. C. Cole, *Sansevieria* 48: 12-14, ills., 2022. Typus: Forrest 1529: Uganda, Yumbe Distr. (MUH).

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