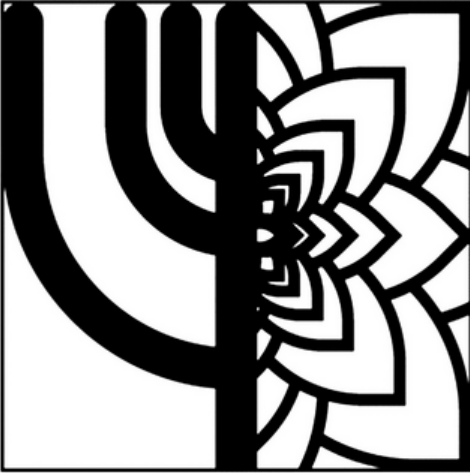


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International Organization
for Succulent Plant Study

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
LXIX (2018)**

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), of which IOS remains a member to this day. 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, accessible over the internet.

Repertorium Plantarum Succulentarum LXIX (2018)

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

International Organization for Succulent Plant Study

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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 libraries at ZSS and Z or received by the compilers). Also included is information supplied to the compilers 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, the basionym 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) is used for newer names.
- The compilers would like to point out that they do 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

Back to normal! – this would be an apt description for the size of the present edition of RPS, covering the new names and literature for the year 2018. After the record-beating RPS 68 with 966 new names, we are back to more or less average numbers of new names, with 382 names being just slightly above the year-long average of 343 names.

As in the preceding years, a timely compilation of RPS could once again not be achieved – the flood of new literature has not diminished at all, as the number of literature references (478) covered in this issue shows. In total, the ZSS database has no less than 925 references for 2018, of which those that contain information of relevance (although sometimes minuscule and/or of limited application) for the taxonomy and/or phylogeny of succulent plant taxa are listed here.

As in earlier years, the IPNI team at Kew is acknowledged for sharing their expertise and for discussing nomenclaturally ambiguous cases. The compiler of this RPS has again benefitted from the important volunteer work of Reiner Mailänder, Zürich, who continued his meticulous scanning of numerous "general" biological journals. Most of the bibliographical details have been assembled by Seraina Nuotclà, science assistant at the Zürich Succulent Plant Collection. I am grateful for all this diligent work.

Corrections to previous volumes

- For *Aloe lukeana* (RPS 66), the type information is incorrect; the type collection is *Cole* 1501, and the specimen has been deposited at MHU.

NOMINA NOVA

AGAVACEAE

- Agave cremnophila** G. D. Starr & al., Cact. Succ. J. (Los Angeles) 90(1): 40-42, ills., 2018. Typus: *Starr* 2017-013 (ARIZ, MEXU, MO).
- Agave maria-patriciae** Cházaro & Arzaba, Phytotaxa 360(3): 263-268, ills., 2018. Typus: *Arzaba & al.* 451 (XAL, CHAPA, MEXU).
- Agave sanpedroensis** W. C. Hodgson & Salywon, Syst. Bot. 43(3): 735-738, ills., 2018. Typus: *Hodgson & Salywon* 29603 (DES [3 sheets], NY, US).
- Manfreda santanamichelii** Art. Castro & Aarón Rodríguez, Syst. Bot. 43(2): 497-501, ills., 2018. Typus: *Carrillo-Reyes & Tinoco-Villa* 8160 (IBUG, CIIDIR, MEXU). [*Sphalm.* 'santana-michelii'.]
- Polianthes venustuliflora** E. Solano & al., Acta Bot. Mex. 126: e1441: 2-6, ills., 2018. Typus: *Solano & Ríos Gómez* 1793 (MEXU, CHAPA, FEZA, IEB, MO, UAMIZ). [Name first mentioned (*nom. inval.*, ICBN Art. 36.1, 37.1) by E. Solano & Castillejos, Biodivers. & Conservation 16: 1888, 2007 (cf. RPS 58).]

AIZOACEAE

- Aizoon plinthoides** Klak, Phytotaxa 364(3): 299, 2018. Typus: *Smith* 5286 (PRE). [*Nom. nov. pro Plinthus karoovicus* I. Verdoorn 1941 (*non Aizoon karoovicus* Compton 1931).]
- Cheiridopsis angustifolia** ssp. **protoparcoides** (S. A. Hammer) R. F. Powell, Phytotaxa 336(3): 299, 2018. Basionym: *Odontophorus angustifolius* ssp. *protoparcoides*.
- Cheiridopsis spiculata** R. F. Powell, Phytotaxa 336(3): 299, 2018. Lectotypus: *Meyer* s.n. in *Marloth* 6974 (BOL [lecto]) [Lectotype designated for the replaced synonym by H. E. K. Hartmann, Bot. Jahrb. Syst. 97: 218, 1976.]. [*Nom. nov. pro Odontophorus marlothii* N. E. Brown (1927) (*non Cheiridopsis*

marlothii N. E. Brown 1926).]

- Delosperma** subgen. **Proterogyna** H. E. K. Hartmann, Ill. Handb. Succ. Pl. Aizoaceae ed. 2, 1: 399, 2017. Typus: *Mesembryanthemum schimperi* Engler. Omitted previously..
- Delosperma heidihartmanniae** L. E. Newton & Liede, Haseltonia 25: 106-107, ills., 2018. Typus: *Newton* 3198 (EA, K, UBT).
- Delosperma melepoense** L. E. Newton & Liede, Haseltonia 25: 108-109, ills., 2018. Typus: *Grant* s.n. in *Newton* 6097 (EA).
- Drosanthemopsis bella** Klak, S. African J. Bot. 116: 78, ills. (p. 68), 2018. Typus: *Klak* 2309 (BOL, K).
- Drosanthemopsis diversifolia** (L. Bolus) Klak, S. African J. Bot. 116: 77, 2018. Basionym: *Drosanthemum diversifolium*.
- Drosanthemopsis kwaganapensis** Klak, S. African J. Bot. 116: 78, ills. (p. 68), 2018. Typus: *Klak* 2379 (BOL, NBG).
- Drosanthemum decumbens** (L. Bolus) van Jaarsveld, Haseltonia 24: 3, ills. (pp. 2-6), 2018. Basionym: *Delosperma expersum* var. *decumbens*. [Basionym species epithet *sphalm.* 'expersum'.]
- Sesuvium portulacastrum** ssp. **persoonii** Sukhorukov, PhytoKeys 92: 73, ills. (p. 74), 2018. Typus: *Sukhorukov* 59 (MW, BR, G, K).

APIACEAE

- Eryngium crassifolium** A. Padin & C. I. Calviño, Syst. Bot. 43(2): 628-631, ills., 2018. Typus: *Padin* 205 (SI, CONC, BCRU, CONC).

APOCYNACEAE

- Adenium obesum** var. **crispum** (Chiovenda) Cappaci, Piante Grasse 38(1: Suppl.): 33, 2018. *Nom. inval.* (ICN Art. 41.5), based on *Adenium somalense* var. *crispum*. [Ascribed to "E. M. Endress".]

- Brachystelma ananthapuramense** Prasad & al., Kew Bull. 73(1): 16: 1-4, ills., 2018. Typus: *Swamy & Prasad* 44922 (CAL, SKU).
- Brachystelma vemanae** A. M. Reddy & al., Nordic J. Bot. 36(10): e02067: 2-4, ills., 2018. Typus: *Madhusudhana Reddy* 5071 (CAL, BSID, Yogi Vemana Univ.).
- Ceropegia banforae** (Lebrun & Stork) Bruyns, Phytotaxa 364(2): 130, 2018. Basionym: *Brachystelma simplex* ssp. *banforae*.
- Ceropegia boonjarasii** Kidyoo, Phytotaxa 385(1): 31-32, ills. (pp. 33-34), 2018. Typus: *Kidyoo* 1567 (BKF, BCU).
- Ceropegia capensis** Bruyns, Phytotaxa 375(3): 214-215, ills. (pp. 215, 218), 2018. Typus: *Bruyns* 13117 (BOL).
- Ceropegia cyperifolia** Bruyns, Phytotaxa 364(2): 116, ills., 2018. Typus: *Bruyns* 8642 (BOL, E, MO).
- Ceropegia elliptica** (A. Richard) Bruyns, S. African J. Bot. 116: 141, 2018. Basionym: *Brachystelma ellipticum*.
- Ceropegia emdenpienaarii** Bruyns, Phytotaxa 375(3): 216, ills. (pp. 216, 218), 2018. Typus: *Bruyns* 7016 (BOL, MO).
- Ceropegia foetidiflora** Kidyoo, Taiwania 63(4): 327-330, ills., 2018. Typus: *Kidyoo* 1557 (BKF, BCU).
- Ceropegia gracilidens** Bruyns, Phytotaxa 364(2): 113-114, ills., 2018. Typus: *Bruyns* 8567 (BOL, MO).
- Ceropegia meloformis** (Marloth) Bruyns, S. African J. Bot. 116: 140, 2018. Basionym: *Trichocaulon meloforme*.
- Ceropegia mizoramensis** Ram. Kumar & S. Sharma, Taiwania 63(2): 164, ills. (p. 165), 2018. Typus: *Kumar & Sharma* 131485 (ASSAM, CAL).
- Ceropegia murlensis** Ram. Kumar & S. Sharma, Taiwania 63(2): 166, ills. (p. 167), 2018. Typus: *Kumar & Sharma* 131486 (ASSAM, CAL).
- Ceropegia perangusta** Bruyns, S. African J. Bot. 116: 140, 2018. Lectotypus: *Copley* s.n. in *Bally* S26 (K [lecto], ZSS) [Lectotype selected (for the replaced synonym) by Bruyns in *Bradleya* 6: 15, 1988.]. [*Nom. nov. pro Echidnopsis angustiloba* E. A. Bruce & P. R. O. Bally 1941 (*non Ceropegia angustiloba* De Wildeman 1903). First illegitimately renamed *Ceropegia angustilobulata* Bruyns l.c. 112: 417, 2017 (*non Ceropegia angustilobulata* Bruyns 2017: 426).]
- Ceropegia portae-taurinae** (Dinter & A. Berger) Bruyns, S. African J. Bot. 116: 140, 2018. Basionym: *Stapelia portae-taurinae*.
- Ceropegia reflexa** Hanáček, Haseltonia 24: 51-52, ills. (pp. 52-54), 2018. Typus: *Hanáček* 1278 (HTU, BRNM).
- Ceropegia rehmannii** (Schlechter) Bruyns, S. African J. Bot. 116: 141, 2018. Basionym: *Brachystelma rehmannii*.
- Ceropegia tubata** Bruyns, S. African J. Bot. 116: 140, 2018. Typus: *Williams* s.n. in *Bally* 8008 (K [†?], ZSS) [Type of the replaced synonym not traced at K by Meve, pers. comm. Dec. 2012.]. [*Nom. nov. pro Echidnopsis urceolata* P. R. O. Bally 1963 (*non Ceropegia urceolata* (L. C. Leach) Bruyns 2017).]
- Ceropegia tundavalensis** Bruyns, Phytotaxa 375(3): 217-218, ills., 2018. Typus: *Harrower* 4413 (BOL).
- Ceropegia waterbergensis** (Peckover) Bruyns, S. African J. Bot. 116: 141, 2018. Basionym: *Brachystelma waterbergensis*.
- Dischidia thaitongiae** Kidyoo, Nordic J. Bot. 36(11): e02058: 2-3, ills., 2018. Typus: *Kidyoo* 1624 (BKF, BCU).
- Hoya corneri** Rodda & S. Rahayu, Phytotaxa 383(3): 256, ills. (pp. 253-255), 2018. Typus: *Corner* s.n. (SING).
- Hoya deleoniorum** Cabaculan & al., Avonia 36(3): 149, ills. (pp. 144-148), 2018. Typus: *De Leon* 101/2016 (CMUH 00010866) [Correct herbarium acronym and accession number according to the erratum on p. lvi.].
- Hoya fauziana** ssp. *angulata* Rodda & al., Blumea 63: 144, ills. (pp. 145-146), 2018. Typus: *Gokusing* 56/2017 (SAN).
- Hoya garciae** Kloppenburg, Hoya New 8(2): 35, ills. (pp. 35-37), 2018. Typus: *Barbon & al.* s.n. (PNH 5733). [Sphalm. 'garciai'.]
- Hoya indaysarae** M. N. Medina & al., Hoya New 7(3): 2-3, ills. (pp. 3-9), 2018. Typus: *Villanueva* s.n. (CMUH 10955). [Sphalm. 'indaysarahae'.]
- Hoya meliflua** ssp. *breviora* Kloppenburg, Hoya New 8(2): 43, ills. (pp. 43-46), 2018. Based on *Merrill* 9385. *Nom. illeg.* (Art. 52.1). [The type number "holotypus 9385 (PNH)" is also given as holotype of *H. meliflua* ssp. *breviora* Kloppenburg 2018, as well as for *H. taytayensis* Kloppenburg & Siar 2013.]

ASPHODELACEAE

- Hoya meliflua** ssp. **taytayensis** Kloppenburg, *Hoya New* 8(1): 3, ills. (pp. 3-6), 2018. Typus: *Merrill* 9385 (PNH, A, BO, BS, L, US). [The type number "holotypus 9385 (PNH)" is also given as holotype of *H. meliflua* ssp. *breviora* Kloppenburg 2018.]
- Hoya mindorensis** ssp. **philippinensis** Kloppenburg, *Hoya New* 8(2): 7, ills. (pp. 7-8), 2018. Typus: *Anonymus* s.n. (CAHUP 61933).
- Hoya odorata** ssp. **miquilingensis** Kloppenburg, *Hoya New* 8(4): 7, ills. (pp. 7-8), 2018. Typus: *Harriail* s.n. (CAHUP 19258).
- Hoya phluuangensis** Kidyoo, *Taiwania* 63(1): 26, ills. (pp. 27-29), 2018. Typus: *Kidyoo* 1014 (BKF, BCU).
- Hoya pseudobicolensis** Kloppenburg, *Hoya New* 8(2): 10, ills. (pp. 10-12), 2018. Typus: *Blass Hernaez* s.n. (CAHUP 5294).
- Hoya pulchra** Aurigue & Cabactulan, *Ann. Bot. Fenn.* 56(1-3): 50, ills. (pp. 51-52), 2018. Typus: *De Leon* MDL-BK02 (PNH).
- Hoya spencei** Kloppenburg, *Hoya New* 8(1): 7, ills. (pp. 7-12), 2018. Typus: *Spence* 541 (US). [Sphalm. 'spencii'.]
- Hoya taywanisensis** Kloppenburg & al., *Hoya New* 8(4): 3, ills. (pp. 3-6), 2018. Typus: *Mendoza & al.* 204 (PUH 14685).
- Stenostelma eustegioides** (E. Meyer) Bester & Nicholas, *Phytotaxa* 361(1): 43, 2018. Basionym: *Lagarinthus eustegioides*.
- Stenostelma ligulatum** Bester & Nicholas, *Phytotaxa* 361(1): 44-48, ills., 2018. Typus: *Bester* 8159 (PRE, E, K, MO, NH, NU).
- Stenostelma periglossoides** (Schlechter) Bester & Nicholas, *Phytotaxa* 361(1): 44, 2018. Basionym: *Schizoglossum periglossoides*.
- Stenostelma urceolatum** Bester & Nicholas, *Phytotaxa* 361(1): 49-53, ills., 2018. Typus: *Bester* 6541 (PRE, K, MO, NH).
- Suberogerens** Morillo, *Pittieria* 39: 249, 2015. Typus: *Vincetoxicum cyclophyllum* Standley. [Omitted previously.]
- Suberogerens cyclophylla** (Standley) Morillo, *Pittieria* 39: 250, ills. (pp. 250-253), 2015. Basionym: *Vincetoxicum cyclophyllum*. [Omitted previously.]

- Aloe sergoitensis** L. E. Newton, *Haseltonia* 25: 125-127, ills., 2018. Typus: *Kruger* s.n. (EA).
- Aloe uncinata** L. E. Newton & Wabuyele, *CactusWorld* 36(3): 185-187, ills., 2018. Typus: *Powys* 1411 (EA, K).
- Aloe viridiana** Gideon F. Smith & Figueiredo, *Bradleya* 36: 216, ills. (pp. 213, 215), 2018. Typus: *Anonymus* s.n. (K [lecto]) [Lectotype designated (for the replaced synonym) by G. F. Smith & Figueiredo, *Bradleya* 36: 216, 2018.]. [*Nom. nov. pro Aloe greenii* Baker 1880 (*nom. illeg.*, ICN Art. 53.1; *non Aloe greenii* Green ex Robinson 1875).]
- Aloe zombitsiensis** ssp. **pallida** (Rauh & Mangelsdorff) L. E. Newton & Egli, *Bradleya* 36: 177, ills., 2018. Basionym: *Aloe prostrata* ssp. *pallida*.
- Aloe zygorabaiensis** L. E. Newton & Wabuyele, *CactusWorld* 36(3): 187, ills. (pp. 186-188), 2018. Typus: *Powys* s.n. in *Newton* 6284 (EA, K).
- Astroloba** Sect. **Inflata** Molteno & Gideon F. Smith, *Haseltonia* 25: 77, 2018. Typus: *Astroloba herrei* Uitewaal.
- Astroloba** Sect. **Intercedens** Molteno & Gideon F. Smith, *Haseltonia* 25: 75-76, 2018. Typus: *Astroloba corrugata* N. L. Meyer & Gideon F. Smith.
- Astroloba** Sect. **Vastora** Molteno & Gideon F. Smith, *Haseltonia* 25: 79, 2018. Typus: *Aloe foliolosa* Haworth.
- Astroloba* subgen. *Poellnitzia* (Uitewaal) Molteno & Gideon F. Smith, *Haseltonia* 25: 80, 2018. Incorrect name (ICN Art. 11.4). [The name *Poellnitzia* has priority over *Astroloba* at generic level, and the correctness of the subgeneric name depends on the outcome of a conservation proposal by G. F. Smith & al., *Taxon* 67: 206, 2018.]
- Astroloba spirella** (Haworth) Molteno & Gideon F. Smith, *Haseltonia* 25: 76, ills., 2018. Basionym: *Haworthia spirella*.
- ×**Gasterhaworthia** 'Battenkoel' Fischel, *Alsterworthia* Int. 18(1): 3-5, ills., 2018. [= *Gasteria batesiana* (male) × *Haworthia koelmanniorum*.]
- ×**Gonimara** Gideon F. Smith & Molteno, *Bradleya* 36: 54, 2018. [= *Gonialoe* × *Kumara*.]

- ×**Gonimara corderoyi** (A. Berger) Gideon F. Smith & Molteno, *Bradleya* 36: 54, 2018. Basionym: *Aloe* ×*corderoyi*.
- Haworthia angiras** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-250 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 13, fig. 3 (p. 14), 2005.]
- Haworthia cangoensis** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 05-37 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 13, fig. 2 (p. 14), 2005.]
- Haworthia ciliata** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-387 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 11, fig. 4 (p. 9), 2005.]
- Haworthia dura** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 04-20 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 11, fig. 2 (p. 9), 2005.]
- Haworthia erii* M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Based on *Hayashi* 03-219. *Nom. inval.* (ICN Art. 36.2). [First published invalidly (holotype herbarium not indicated, ICN Art. 40.7, cf. RPS 57) by M. Hayashi, *Haworthia* Study 14: 11, fig. 5 (p. 9), 2005. The attempt to validate the name by Breuer, *Alsterworthia* Int. 17(2): 9, 2017, failed since the name is simultaneously also accepted at varietal rank under *H. rooibergensis*.]
- Haworthia ernstii** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 04-060 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 11, fig. 6 (p. 10), 2005.]
- Haworthia ianthina** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-199 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 12, fig. 12, 2005.]
- Haworthia incrassa** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 04-102 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 12, fig. 11, 2005.]
- Haworthia joubertii** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-300 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 16, ill., 2005.]
- Haworthia kogmanensis** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 05-217 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 14, fig. 5 (p. 15), 2005.]
- Haworthia laxa** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-005 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 14, fig. 6 (p. 15), 2005.]
- Haworthia lazulis** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 02-24 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 11, fig. 8 (p. 10), 2005.]
- Haworthia limbata** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 04-108 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 16, ill., 2005.]
- Haworthia luri** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-448 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 11-12, fig. 9 (p. 10), 2005.]
- Haworthia montana** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-004 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 14, fig. 7 (p. 15), 2005.]
- Haworthia odyssei** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 05-1 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 13-14, fig. 4, 2005.]
- Haworthia pellucida** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-279 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 12, fig. 10, 2005.]
- Haworthia rava** M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-156 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 11, fig. 3 (p. 9), 2005.]
- Haworthia rooibergensis* var. *erii* (M. Hayashi) Breuer, *Alsterworthia* Int. 18(2): 31, 2018. *Nom. inval.*, based on *Haworthia erii*, *nom. inval.* (ICN Art. 36.2). [Combination first attempted in l.c. 16(2): 6, 2016, and repeated l.c. 17(2): 9, 2017, together with attempts to validate the name at species rank.]

Haworthia royalis M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 03-256 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 13, fig. 1 (p. 14), 2005.]

Haworthia vitris M. Hayashi *ex* Breuer, *Alsterworthia* Int. 18(2): 31, 2018. Typus: *Hayashi* 02-011 (TI). [First published invalidly (ICN Art. 40.7) in *Haworthia* Study 14: 16, ill., 2005.]

Tulista minor (Aiton) Gideon F. Smith & Molteno, *Phytotaxa* 346(2): 201, 2018. Basionym: *Aloe margaritifera* var. *minor*.

ASTERACEAE

Senecio crassiandinus Montesinos & Pino, *Phytotaxa* 347(3): 214-216, ill., 2018. Typus: *Montesinos* 4812 (HSP, B, F, HOXA, HUT, USM).

CACTACEAE

×**Aporgera** M. H. J. van der Meer, *Cact. Phantast.* 1: 2, 2018. [= *Aporocactus* × *Schlumbergera*.]

×**Aporodisocactus freiburgensis** (Weingart) M. H. J. van der Meer, *Cact. Phantast.* 1: 2, 2018. Basionym: *Cereus freiburgensis*.

×**Aporodisocactus krookii** (Krelage) M. H. J. van der Meer, *Cact. Phantast.* 1: 2, 2018. Basionym: *Cereus krookii*.

×**Aporodisocactus mallisonii** (Otto & A. Dietrich) M. H. J. van der Meer, *Cact. Phantast.* 1: 2, ill. (p. 8), 2018. Basionym: *Cereus mallisonii*.

Arrojadoa hoevenii Neirinck, *Cact. Explorer* 22: 10, figs. 8, 10, 2018. *Nom. inval.* (ICN Art. 36.1b). [Published as provisional name.]

Austrocactus aonikenkensis E. Sarnes & N. Sarnes, *CactusWorld* 36(2): 133, ill. (pp. 132-136), 2018. Typus: *Correa* & *Nicora* 3572 (BAB).

Aylosteria condorensis (Donald) V. Gapon, *Kakt. Klub* 2018(2): 9, ill. (pp. 8-9), 2018. Basionym: *Rebutia heliosa* var. *condorensis*.

Cephalocereus laui (P. V. Heath) D. R. Hunt, *Cactaceae Syst. Init.* 40: 2, 2018. Basionym: *Carnegiea laui*.

Cereus subgen. **Arecesocereus** Wisnev, *Cact. Succ. J. (Los Angeles)* 90(3): 223, 2018. Typus: *Cereus haitiensis* Franck & Peguaro 2017.

Cereus subgen. **Neohaiti** %**cereus** Areces, *Cact. Succ. J. (Los Angeles)* 90(2): 113, 2018. Typus: *Cereus serruliflorus* Haworth 1830. The application of this name depends on the conflicting typification of the type species – the prioritable second-step lectotypification by Franck & al. (*Phytoneuron* 2017-29: 1-17, 2017) makes the type species a synonym of *Harrisia divaricata*, while the later second-step lectotypification by Areces (l.c.) makes the type species a species of *Cereus* subgen. *Arecesocereus* Wisnev 2018.

Chamaecereus Luisramirezii Lodé & F. Carlier, *Cact.-Avent. Int.* 30(2): 3-4, ill. (pp. 2-5), 2018. Typus: *Ramirez* s.n. (MGC).

Copiapoa algarrobensis Kattermann, *Cact. Succ. J. (Los Angeles)* 90(2): 103, ill., 2018. Typus: *Kattermann* 530 (DES [2 sheets]). [First published invalidly l.c. 84(2): 69-75, ill., 2012 (the purported holotype specimen at SGO was an illustration, which is contrary to ICN Art. 40.2, 40.4).]

Copiapoa laui ssp. *adrianae* Kattermann, *Cact. Succ. J. (Los Angeles)* 90(4): 293-294, ill., 2018. *Nom. inval.* (ICN Art. 36.1b). [Published as provisional name.]

Cylindropuntia bernardina (Engelmann) M. A. Baker & al., *Haseltonia* 25: 13, 2018. Basionym: *Opuntia bernardina*.

Cylindropuntia imbricata var. *rosea* (De Candolle) M. A. Baker, *Haseltonia* 25: 13, 2018. *Nom. inval.* (ICN Art. 41.5), based on *Opuntia rosea*.

Cylindropuntia imbricata var. **spinosior** (Engelmann) M. A. Baker & al., *Haseltonia* 25: 13, 2018. Basionym: *Opuntia whipplei* var. *spinosior*.

Cylindropuntia leptocaulis fa. **longispina** (Engelmann) Guiggi, *Kakt. and. Sukk.* 69(5): 157, 2018. Basionym: *Opuntia frutescens* var. *longispina*.

Deamia montalvoae Cerén & al., *Phytotaxa* 369(4): 253-254, ill. (pp. 255-257), 2018. Typus: *Menjívar* & al. 3219 (MHES, ME-XU).

- ×**Dialis** M. H. J. van der Meer, Cact. Phantast. 1: 2, 2018. [= *Disocactus* × *Rhypsalis*.]
- ×**Differa** M. H. J. van der Meer, Cact. Phantast. 1: 2-3, 2018. [= *Disocactus* × *Pfeiffera*.]
- ×**Dilectus** M. H. J. van der Meer, Cact. Phantast. 1: 3, 2018. [= *Disocactus* × *Selenicereus* × *Aporocactus*.]
- ×**Dinocereus** M. H. J. van der Meer, Cact. Phantast. 1: 3, 2018. [= *Disocactus* × *Echinocereus*.]
- ×**Diphlocereus** M. H. J. van der Meer, Cact. Phantast. 1: 3, 2018. [= *Disocactus* × *Cephalocereus*.]
- ×**Diphlocereus impossibilis** (P. V. Heath) M. H. J. van der Meer, Cact. Phantast. 1: 3, 2018. *Nom. inval.*, based on ×*Cephalocereus impossibilis*, *nom. inval.* (ICN Art. 40.1?). [Validity of the basionym in dispute.]
- ×**Diselvia** M. H. J. van der Meer, Cact. Phantast. 1: 3, 2018. [= *Disocactus* × *Selenicereus* × *Lobivia*.]
- ×**Disivia** M. H. J. van der Meer, Cact. Phantast. 1: 4, 2018. [= *Disocactus* × *Lobivia*.]
- Disocactus** ×**amaranthinus** (Regel) M. H. J. van der Meer, Cact. Phantast. 1: 4, ill. (p. 9), 2018. Basionym: *Phyllocactus crenatus* var. *amaranthinus*.
- Disocactus** ×**charltonii** (Masters) M. H. J. van der Meer, Cact. Phantast. 1: 4, ill. (p. 10), 2018. Basionym: *Phyllocactus charltonii*.
- Disocactus** ×**coopermannii** (Worsley) M. H. J. van der Meer, Cact. Phantast. 1: 4, 2018. Basionym: *Phyllocactus coopermannii*.
- Disocactus** ×**hansii** (Baumann) M. H. J. van der Meer, Cact. Phantast. 1: 5, 2018. Basionym: *Cereus* ×*hansii*.
- Disocactus** ×**jenkinsonii** (McIntosh) M. H. J. van der Meer, Cact. Phantast. 1: 5, ill. (p. 11), 2018. Basionym: *Cactus* ×*jenkinsonii*.
- Disocactus** ×**splendens** (Regel) M. H. J. van der Meer, Cact. Phantast. 1: 5, ill. (p. 12), 2018. Basionym: *Phyllocactus crenatus* var. *splendens*.
- ×**Disoquipa** M. H. J. van der Meer, Cact. Phantast. 1: 5, 2018. [= *Disocactus* × *Arequipa*.]
- ×**Disoselenicereus fulgidus** fa. **neubertii** (Doweld) M. H. J. van der Meer, Cact. Phantast. 1: 5, 2018. Basionym: ×*Selelicereus Neubertii*.
- ×**Disoselenicereus nothus** (Siedhof) M. H. J. van der Meer, Cact. Phantast. 1: 5, ill. (p. 14), 2018. Basionym: *Cereus nothus*.
- ×**Disoselenicereus wrayae** (hort. ex Worsley) M. H. J. van der Meer, Cact. Phantast. 1: 6, ill. (p. 15), 2018. Basionym: *Cereus* ×*wrayae*.
- ×**Disuntia** M. H. J. van der Meer, Cact. Phantast. 1: 6, 2018. [= *Disocactus* × *Opuntia*.]
- Echinocereus arizonicus** ssp. **oldachiorum** W. Blum & P. B. Breslin, Echinocereenfreund 31(Sonderausgabe): 371, ill. (pp. 370, 374, 381-393), 2018. Typus: *Breslin* s.n. (ASU 300553).
- Echinopsis krahn-juckeri** (Diers) M. Lowry, Cact. Explorer 22: 32, ill. (pp. 28-31), 2018. Basionym: *Lobivia krahn-juckeri*.
- Echinopsis minutiflora** (Rausch) M. Lowry, Cactaceae Syst. Init. 39: 6, 2018. Basionym: *Lobivia chrysochete* var. *minutiflora*.
- Echinopsis torrefluminensis** M. Lowry, Cact. Explorer 22: 32, ill. (pp. 28, 31), 2018. Typus: *Jucker* 1208 (LPB, WU). [*Nom. nov. pro Lobivia krahn-juckeri* ssp. *echinopsoides* Diers & Jucker 2017.]
- ×**Epivia** M. H. J. van der Meer, Cact. Phantast. 1: 6, 2018. [= *Epiphyllum* × *Lobivia*.]
- Eriosyce vallenarensis** (F. Ritter) F. Kattermann, Cact. Succ. J. (Los Angeles) 90(2): 141, ill., 2019. Basionym: *Neoporteria vallenarensis*.
- Eriosyce wagenknechtii** (F. Ritter) F. Kattermann, Cact. Succ. J. (Los Angeles) 90(2): 139, ill., 2019. Basionym: *Neoporteria wagenknechtii*.
- Frailea erythracantha** R. Pontes & al., Phytotaxa 369(3): 212, ill. (pp. 213-215), 2018. Typus: *Pontes & al.* 1800 (HDCF, HDCE, ICN).
- Grusonia bulbispina** ssp. **basileocephala** (D. Donati) Majure & al., Haseltonia 25: 16, 2018. Basionym: *Corynopuntia bulbispina* ssp. *basileocephala*.
- Grusonia deinacantha** (D. Donati) Majure & al., Haseltonia 25: 16, 2018. Basionym: *Corynopuntia deinacantha*.
- Grusonia halophila** (D. Donati) Majure & al., Haseltonia 25: 16, 2018. Basionym: *Corynopuntia halophila*. [The reference to the basionym name is spurious but appears to refer to an unpaginated digital pre-publication version, which is permissible under ICN 2018 Art. 41, Note 2 and Art. 30, Note 1. Contrary to this interpretation, IPNI (accessed May 2020) treats the name as invalid un-

- der ICN Art. 41.5.]
- Gymnocalycium cabreraense** Schädlich & al., Schütziana 9(2): 8, ills. (pp. 6-14), 2018. Typus: *Melojer* 2010-13 (WU 4039). [Published in concurrent English, German, Russian and Japanese editions.]
- Gymnocalycium carminanthum** Borth & Koop ex Papsch, Schütziana 9(3): 11, 2018. Typus: *Borth* 130 (GJO). [Published in concurrent English, German, Russian and Japanese editions. First published invalidly (ICN Art. 8.4) by Borth & Koop, Kakt. and. Sukk. 27(4): 73-76, ills., 1976, and erroneously treated as valid in RPS 27 and other sources, but the holotype was explicitly stated to be in the living collection of the Botanical Garden Linz (contrary to the statement in IPNI, accessed Sept. 2019), and must therefore have been a living plant, and the existence of original material at ZSS is of no significance in view of the above (Papsch, Schütziana 9(3): 10, 2018).]
- Gymnocalycium friedrichii** ssp. **tumaemulticostatum** Milt, Cactaceae etc. 28(1): 8-9, ills., 2018. Typus: *Schädlich* 03-064 (OLM B171.826).
- Gymnocalycium lamudanaense** Chvastek & Milt, Cactaceae etc. 28(4): 127-128, ills. (pp. 125-128), 2018. Typus: *Chvastek* 1089 (OLM B172237).
- Gymnocalycium** ×**momo** V. Gapon & Schelkunova, Kakt. Klub 2018(1): 71-72, ills. (pp. 73-75), 2018. Typus: *Gapon* 11-1159a/5075 (WU). [= *Gymnocalycium monvillei* × *G. mostii*. The nothospecies epithet is contrary to ICN Rec. H10A.1 but acceptable as true epithet under H10.2. Simultaneously also published in *Gymnocalycium* 31(3): 1286-1289, ills., 2018.]
- Gymnocalycium ourselianum** (Monville) Papsch, Schütziana 9(1): 7, 2018. Basionym: *Echinocactus ourselianus*. [First published invalidly (ICBN Art. 33.4, 34.1c) by Y. Ito, Cacti, 87, 1952 (and treated as invalid under Art. 41.3b by Metzging & al., Allionia 33: 215, 1996).]
- Gymnocalycium sanluisense** Neuhuber, Kakt. Klub 2018(2): 15, ills. (pp. 11-16), 2018. Typus: *Neuhuber* 11-1564/4737 (CORD, WU).
- Gymnocalycium sutterianum** ssp. **tetraploideum** Repka, *Gymnocalycium* 31(1): 1263-1270, ills., 2018. Typus: *Repka* 798 (Herb. Jard. Bot. Fac. Ci. Forest. Univ. Nac. Santiago del Estero).
- ×**Heliera** M. H. J. van der Meer, Cact. Phantast. 1: 6, 2018. [= *Aporocactus* × *Disocactus* × *Epiphyllum* × *Selenicereus*.]
- Homalocephala parryi** (Engelmann) Vargas-Luna & Bárcenas, *PhytoKeys* 111: 49, 2018. Basionym: *Echinocactus parryi*.
- Homalocephala polycephala** (Engelmann & J. M. Bigelow) Vargas-Luna & Bárcenas, *PhytoKeys* 111: 49, 2018. Basionym: *Echinocactus polycephalus*.
- Homalocephala polycephala** ssp. **xeranthemoides** (J. M. Coulter) Vargas-Luna & Bárcenas, *PhytoKeys* 111: 49, 2018. Basionym: *Echinocactus polycephalus* var. *xeranthemoides*.
- Horridocactus kunzei* (C. F. Förster) Matuszewski, Cact. Explorer 22: 17, ill., 2018. *Nom. inval.* (Art. 36.1a, 41.5), based on *Echinocactus kunzei*.
- Leptocereus assurgens** var. **albellus** Areces, Cact. Succ. J. (Los Angeles) 90(4): 260-262, ills., 2018. Typus: *Areces* 6343 (HAJB, NY).
- Leptocereus chrysothyrius** Areces, Cact. Succ. J. (Los Angeles) 90(4): 263-265, ills., 2018. Typus: *Areces* 4547 (HAJB, NY).
- Lobivia jajoana** ssp. **caspalensis** (Rausch) V. Gapon & Schelkunova, Kakt. Klub 2018(1): 13, ills., 2018. Basionym: *Lobivia jajoana* var. *caspalensis*.
- Lobivia jajoana** ssp. **nidularis** (Rausch) V. Gapon & Schelkunova, Kakt. Klub 2018(1): 14, 2018. Basionym: *Lobivia jajoana* var. *nidularis*.
- Lobivia jajoana** ssp. **pungens** (Rausch) V. Gapon & Schelkunova, Kakt. Klub 2018(1): 14, ill., 2018. Basionym: *Lobivia jajoana* var. *pungens*.
- Melocactus curvispinus* ssp. *loboguerreroi* (Cárdenas) Vích, *Kaktusy* (Brno) 54(1): 33, ills., 2018. *Nom. inval.* (ICN Art. 41.5), based on *Melocactus loboguerreroi*. [Name casually mentioned in text and captions.]
- ×**Opuntara** M. H. J. van der Meer, Cact. Phantast. 1: 6, 2018. [= *Disocactus* × *Opuntia* × *Selenicereus*.]
- Opuntia preciadoae** Scheinvar & al., *Bradleya* 36: 25, 29, ills. (pp. 26-31), 2018. Typus: *Preciado & Olalde* LS 8176 (MEXU, CHAPA, ARIZ).

- Parodia ibicuiensis** (Prestlé) Anceschi & Magli, *Bradleya* 36: 105, figs. 31-32 (p. 104), 2018. Basionym: *Notocactus ibicuiensis*.
- Parodia pocopocensis** Diers & Jucker, *Succulenta* (Netherlands) 97(2): 68, ill. (pp. 67-77), 2018. Typus: *Jucker* 1269 (LPB, WU).
- Parodia spinibarbis** (F. Ritter) D. R. Hunt, *Cactaceae Syst. Init.* 40: 2, 2018. Basionym: *Notocactus spinibarbis*.
- ×**Selenara** M. H. J. van der Meer, *Cact. Phantast.* 1: 6-7, 2018. [= *Disocactus* × *Echinopsis* × *Epiphyllum* × *Selenicereus*.]
- ×**Selenbergera** M. H. J. van der Meer, *Cact. Phantast.* 1: 7, 2018. [= *Selenicereus* × *Schlumbergera*.]
- Selenicereus alliodoros** (Gómez-Hinostrosa & H. M. Hernández) S. Arias & N. Korotkova, *Cactaceae Syst. Init.* 39: 4, 2018. Basionym: *Weberocereus alliodoros*. [First published invalidly (ICN Art. 41.5) in *Phytotaxa* 327(1): 24, 2017 (cf. RPS 68).]
- Selenicereus glaber** (Eichlam) S. Arias & N. Korotkova, *Cactaceae Syst. Init.* 39: 4, 2018. Basionym: *Cereus glaber*. [First published invalidly (ICN Art. 41.5) in *Phytotaxa* 327(1): 25, 2017 (cf. RPS 68).]
- Selenicereus pteranthus** nfa. **kewensis** (Worsley) M. H. J. van der Meer, *Cact. Phantast.* 1: 7, 2018. Basionym: *Cereus* × *kewensis*. [Given as "f. ×kewensis", but to be treated as nothoforma (ICN Art. 3.2).]
- Selenicereus purpusii** (Weingart) S. Arias & N. Korotkova, *Cactaceae Syst. Init.* 39: 4, 2018. Basionym: *Cereus purpusii*. [First published invalidly (ICN Art. 41.5) in *Phytotaxa* 327(1): 28, 2017 (cf. RPS 68).]
- Selenicereus tonduzii** (F. A. C. Weber) S. Arias & N. Korotkova, *Cactaceae Syst. Init.* 39: 4, 2018. Basionym: *Cereus tonduzii*. [First published invalidly (ICN Art. 41.5) in *Phytotaxa* 327(1): 29, 2017 (cf. RPS 68).]
- ×**Seleniporocactus albus** (Uilkens) M. H. J. van der Meer, *Cact. Phantast.* 1: 7, 2018. Basionym: *Cereus grandiflorus* var. *albus*.
- ×**Selivia** M. H. J. van der Meer, *Cact. Phantast.* 1: 7, 2018. [= *Selenicereus* × *Lobivia*.]
- Serrulatocereus** Guiggi, *Cactology* 5 (Suppl. VI): 1, 2018. Typus: *Cereus serruliflorus* Haworth.
- Serrulatocereus serruliflorus** (Haworth) Guiggi, *Cactology* 5 (Suppl. VI): 1, 2018. Basionym: *Cereus serruliflorus*.
- Stenocereus huastecorum** Alvarado-Sizzo & al., *PLoS One* 13(1): e0190385: 13, ill. (pp. 14-16), 2018. Typus: *Alvarado-Sizzo & al.* 350 (MEXU, MEXU).
- Strophocactus brasiliensis** (Britton & Rose) S. Arias & N. Korotkova, *Cactaceae Syst. Init.* 39: 4, 2018. Basionym: *Acanthocereus brasiliensis*. [First published invalidly (ICN Art. 41.5) in *Phytotaxa* 327(1): 33, 2017 (cf. RPS 68).]
- Tacinga saxatilis** ssp. **minutispina** (P. J. Braun & Esteves) P. J. Braun & Esteves, *Kakt. and. Sukk.* 69(4): 106, ill., 2018. Basionym: *Opuntia saxatilis* var. *minutispina*.
- Tacinga saxatilis** ssp. **occibahiensis** (P. J. Braun & Esteves) P. J. Braun & Esteves, *Kakt. and. Sukk.* 69(4): 106, ill. (p. 107-108), 2018. Basionym: *Opuntia saxatilis* var. *occibahiensis*.
- Tacinga saxatilis** ssp. **pomosa** (P. J. Braun & Esteves) P. J. Braun & Esteves, *Kakt. and. Sukk.* 69(4): 106, ill. (p. 105), 2018. Basionym: *Opuntia saxatilis* var. *pomosa*.
- Thelocactus tepelmensis** T. J. Davis & al., *Phytotaxa* 361(1): 116, ill. (pp. 117-119), 2018. Typus: *Hernández & al.* 4128 (MEXU, DES, MEXU).
- Weingartia insignis** Diers & Jucker, *Gymnocalycium* 31(4): 1292-1293, ill. (pp. 1292-1299), 2018. Typus: *Jucker* 1199 (LPB, WU).
- Weingartia westii** var. **bicoloriflorens** Diers & K. Augustin, *Gymnocalycium* 31(2): 1274, ill. (pp. 1273-1281), 2018. Typus: *Augustin* 373 (LPB, WU).
- Wigginsia maldonadensis** (Herter) Deubelbeiss, *Internoto* 39(4): 110, 112, 2018. Basionym: *Echinocactus maldonadensis*.

COMMELINACEAE

- Callisia glandulosa** (Seubert) Christenhusz & Byng, *Global Fl., GLOVAP Nomencl. Part 1, Vol. 4*, 67, 2018. Basionym: *Tradescantia glandulosa*.
- Callisia ionantha** (Diels) Christenhusz & Byng, *Global Fl., GLOVAP Nomencl. Part 1, Vol. 4*, 67, 2018. Basionym: *Tradescantia ionantha*.

Callisia tripogandra Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 67, 2018. Typus: *Swartz* s.n. (B?, M). [Nom. nov. pro *Tradescantia multiflora* Swartz 1788 (non *Callisia multiflora* (M. Martens & Galeotti) Standley).]

Cyanotis kewoides Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 68, 2018. Based on *Anonymus* s.n.. Nom. illeg. (ICN Art. 52.1). [Nom. nov. pro *Belosynapsis kewensis* Hasskarl 1871, allegedly non *Cyanotis kewensis* C. B. Clarke 1881, but the Clarke name is explicitly based on the Hasskarl name.]

CRASSULACEAE

Crassula anso-lerouxiae van Jaarsveld, *Bradleya* 36: 236-237, ills. (pp. 234, 236), 2018. Typus: *van Jaarsveld & Visser* 19894 (NBG).

Echeveria cerrateana Pino & Kamm, *Quepo* 32: 38-43, ills. (incl. pp. 46-47), 2018. Typus: *Cerrate* 73 (USM, US).

Echeveria chilensis var. **cantaensis** Pino & Vilcapoma, *Cact. Succ. J. (Los Angeles)* 90(3): 179-182, ills., 2018. Typus: *Vilcapoma* 4722 (MOL).

Echeveria deltoidea Pino & Vilcapoma, *Cact. Succ. J. (Los Angeles)* 90(3): 168-172, ills., 2018. Typus: *Vilcapoma & Flores* 735 (MOL, USM).

Echeveria fruticosa Pino, *Cact. Succ. J. (Los Angeles)* 90(3): 174-178, ills., 2018. Typus: *Pino* 1700 (USM).

Graptopetalum luteum J. Meyrán, *Int. Cact.-Advent.* 2017(1): 38-40, ills., 2017. Based on *Meyrán* 5782. Nom. inval. (ICN Art. 33.1, 40.7). [Erratum *Ic.* 30(1): 63, 2018 (holotype deposited at MEXU), but without page reference to the original publication, so the validation of the name fails as it was invalid under ICN Art. 40.6 & 40.7 in 2017 (cf. RPS 68).]

×**Graptoveria** 'Fantome' Aubé ex Gideon F. Smith & Bischofberger, *Bradleya* 36: 48, ills. (pp. 43, 46, 49-50), 2018. [= *Graptopetalum* sp. (likely *P. paraguayense*) × *Echeveria* sp. (possibly *E. elegans*).]

×**Hasseleya** J. M. H. Shaw, *Newslett. Sedum Soc.* 126: 97, 2018. [= *Hasseanthus* × *Dudleya*.]

Hylotelephium maximowiczii (V. V. Byalt) J. M. H. Shaw, *Newslett. Sedum Soc.* 124: 27, 2018. Basionym: *Orostachys maximowiczii*. *Jovibarba hirta* var. *preissiana* (Domin) J. Jezek, *Avonia* 36(4): 220-223, 2018. Nom. inval. (ICN Art. 41.5), based on *Sempervivum preissianum*.

Kalanchoe subgen. **Kitchingia** (Baker) Gideon F. Smith & Figueiredo, *Bradleya* 36: 169, 2018. Basionym: *Kitchingia*.

Kalanchoe crouchii Gideon F. Smith & Figueiredo, *Haseltonia* 25: 87-88, ills. (pp. 86-89), 2018. Typus: *Crouch* 1290 (BNRH).

Pachyphytum confusum Pérez-Calix, *Acta Bot. Mex.* 125: 232-234, ills., 2018. Typus: *Pérez-Calix & Guadián* 6749 (IEB, CIMI, MEXU).

Pachyphytum rogeliocardenasii Pérez-Calix & R. Torres, *Phytotaxa* 348(1): 57, ills. (pp. 58-59, 61), 2018. Typus: *Pérez* 6616 (IEB, MEXU, QMEX).

Rosularia viguieri (Hamet) G. Sarwar ex J. M. H. Shaw, *Newslett. Sedum Soc.* 126: 102, 2018. Basionym: *Sedum adenotrichum* var. *viguieri*. [First published invalidly (ICN Art. 41.5, but incorrectly shown as valid in RPS 53) by G. Sarwar, *Fl. Pakistan* no. 209: 51, 2002.]

Sedum creticum ssp. **cyrenaicum** (Brullo) & Furnari, *Afferni, Bull. Soc. Tosc. Ort.* 2015(2): 6, 2015. Basionym: *Sedum cyrenaicum*. [Omitted previously. The basionym reference was to the whole paper where the name was published (which would invalidate the combination under ICN Art. 41, Ex. 12), but since Afferni cited the holotype and gave an English description, the combination is validly published under ICN Art. 41.8(d) (cf. IPNI, accessed Jan. 2020).]

Sedum flavidum (Denton) B. L. Wilson & Zika, *Phytotaxa* 368(1): 29, ills. (p. 30), 2018. Basionym: *Sedum laxum* ssp. *flavidum*.

Sedum marmorense Otting & R. E. Brainerd, *Phytotaxa* 368(1): 36-38, ills., 2018. Typus: *Brainerd & Otting* 2180 (OSC, GH, NY, RSA, UC, WTU).

- Sedum paradisum** (Denton) Denton *ex* B. L. Wilson, *Phytotaxa* 368(1): 47, ill. (p. 48), 2018. Basionym: *Sedum obtusatum* ssp. *paradisum*. [First published invalidly (ICN 2012, Art. 41.5) in Hickman, *Jepson Man. California*, 534, and repeated in l.c., ed. 2, 675, 2012.]
- Sedum paradisum** ssp. *subroseum* B. L. Wilson & Zika, *Phytotaxa* 368(1): 48-51, ill., 2018. Typus: *Zika & al.* 25721 (WTU, CAS, CHSC, OSC, UC).
- Sedum patens** Zika, *Phytotaxa* 368(1): 51-52, ill. (pp. 49, 51), 2018. Typus: *Zika* 27047 (WTU, CAS, GH, MO, NY, OSC, RSA, UC).
- Sedum peltatum** M. L. Chen & X. H. Cao, *Bangladesh J. Bot.* 46(3): 847-848, ill. (pp. 848-849), 2017. Typus: *Chen* 20150516007 (ANUB, ANUB, PE). [Omitted previously.]
- Sedum rubiginosum** Zika & B. L. Wilson, *Phytotaxa* 368(1): 53-54, ill. (pp. 37, 54), 2018. Typus: *Zika & Nelson* 25522 (WTU, CAS, OSC).
- Sempervivum verereginae-amaliae** Raus, *Willdenowia* 48(2): 204, 2018. Lectotypus: *Guicciardi* in *Heldreich Fl. Graeca Exs.* 2982 (WU 81444 [lecto]) [Lectotype designated by Raus, *Willdenowia* 48: 204, 2018.]. [*Nom. nov. pro Sempervivum reginae-amaliae* Baker 1888 (*non* Baker 1877).]

EUPHORBIACEAE

- Euphorbia arida** ssp. *camdeboensis* Bruyns, *Haseltonia* 25: 31, ill. (p. 32), 2018. Typus: *James* s.n. in *NBG* 615/37 (BOL).
- Euphorbia belagaviensis** Sarojinidevi & Raja Kullayiswamy, *Euphorbia World* 14(1): 24-26, ill. (pp. 25-29), 2018. Typus: *Sarojinidevi & Raja Kullayiswamy* FAP 31448 (BSID, JCB, MH, SKU).
- Euphorbia denisiana** var. *ankarensis* (Boiteau) Houyelle, *Euphorbia World* 14(1): 12, ill. (pp. 11-12), 2018. Basionym: *Euphorbia ankarensis*.
- Euphorbia denisiana** var. *maromokotrensis* (Rebmann) Houyelle, *Euphorbia World* 14(1): 13, 2018. Basionym: *Euphorbia maromokotrensis*.
- Euphorbia ephedroides** ssp. *gamsbergensis* Bruyns, *Haseltonia* 25: 47, ill. (p. 48), 2018. Typus: *Bruyns* 13516 (BOL, E).
- Euphorbia ephedroides** ssp. *imminuta* (L. C. Leach & G. Williamson) Bruyns, *Haseltonia* 25: 47, 2018. Basionym: *Euphorbia ephedroides* var. *imminuta*.
- Euphorbia ferox** ssp. *calitzdorpensis* Bruyns, *Haseltonia* 25: 38-39, ill., 2018. Typus: *Dyer* 4056 (PRE, K).
- Euphorbia friedrichiae** ssp. *pofadderensis* Bruyns, *Haseltonia* 25: 32-33, ill., 2018. Typus: *Bruyns* 11366 (BOL).
- Euphorbia gigantea** J.-P. Castillon, *Adansonia*, sér. 3, 40(2): 164, ill. (pp. 165, 167), 2018. Typus: *Castillon* 64 (TAN).
- Euphorbia lydenburgensis** var. *minor* Bruyns, *Haseltonia* 25: 55, ill. (p. 56), 2018. Typus: *Jacobsen* 3530 (PRE).
- Euphorbia multiceps** ssp. *tanquana* Bruyns, *Haseltonia* 25: 34, ill. (p. 35-36), 2018. Typus: *Acocks* 18990 (PRE, K).
- Euphorbia neollittii** J.-P. Castillon & J.-B. Castillon, *Candollea* 73(1): 23, ill. (p. 22), 2018. Typus: *Castillon* 60 (TAN, G).
- Euphorbia otavibergensis** Bruyns, *Haseltonia* 25: 50-51, ill., 2018. Typus: *De Winter* 3678a (PRE, K).
- Euphorbia patula** ssp. *anacantha* (Aiton) Bruyns, *Haseltonia* 25: 45, fig. 21f (p. 44), 2018. Basionym: *Euphorbia anacantha*.
- Euphorbia patula** ssp. *brucebayeri* Bruyns, *Haseltonia* 25: 46, ill. (pp. 44-45), 2018. Typus: *Bruyns* 4732 (BOL, NBG).
- Euphorbia patula** ssp. *wilmaniae* (Marloth) Bruyns, *Haseltonia* 25: 45, fig. 21g (p. 44), 2018. Basionym: *Euphorbia wilmaniae*.
- Euphorbia pseudoglobosa** ssp. *vlokii* Bruyns, *Haseltonia* 25: 40-41, ill., 2018. Typus: *Bruyns* 12582 (BOL).
- Euphorbia pseudoglobosa** var. *dysseisdorpen-sis* D. H. Schnabel & al., *Euphorbia World* 14(2): 14, ill. (pp. 14-15), 2018. Typus: *Schnabel* 0016 (NBG).
- Euphorbia pseudoglobosa** var. *juglans* (Compton) D. H. Schnabel & al., *Euphorbia World* 14(2): 13, ill. (pp. 8-10), 2018. Basionym: *Euphorbia juglans*.
- Euphorbia pseudoglobosa** var. *oshoekensis* D. H. Schnabel & al., *Euphorbia World* 14(2): 17, ill. (pp. 16-18), 2018. Typus: *Schnabel* 0017 (NBG).

Euphorbia subsalsa ssp. **otzenii** Bruyns, Haseltonia 25: 52-53, ills., 2018. Typus: *Bruyns* 5551 (WIND, BOL, K).

Euphorbia tetragularis Hurbath & Cordeiro, Syst. Biodivers. 16(7): 660-662, ills., 2018. Typus: *Hurbath & Cordeiro* 844 (SP, ALCB, BHCB, NMNH, RB, SPF).

Euphorbia valeryae J.-P. Castillon, Adansonia, sér. 3, 40(2): 166, 168, ills. (p. 169), 2018. Typus: *Castillon* 65 (TAN).

Euphorbia willowmorensis Bruyns, Haseltonia 25: 34-37, ills., 2018. Typus: *Smith* 2801 (PRE).

GERANIACEAE

Pelargonium obnatum R. T. F. Clifton, Geraniaceae Assoc. Notes 4: 5-7, ills., 2018. Typus: *Esterhuysen* 22851-A (K, BOL?, NBG?) [The isotype cited in the protologue has a different collection date than the holotype and thus appears to be merely a paratype.].

GESNERIACEAE

Alsobia baroniae L. E. Skog & Barrie, Novon 26(1): 2, ills. (pp. 3-4), 2018. Typus: *Brewer* 5176 (US, F, MO).

Streptocarpus peltatus Randrianasolo & al., Novon 26(1): 23-25, ills., 2018. Typus: *Razanatsima & al.* 1378 (MO, MO, P, TAN).

LAMIACEAE

Capitanopsis brevilabra (Hedge) Mwanyambo & al., Bot. J. Linn. Soc. 188: 369, 2018. Basionym: *Dauphinea brevilabra*.

Capitanopsis oreophila (Guillaumin) Mwanyambo & al., Bot. J. Linn. Soc. 188: 369, 2018. Basionym: *Perrierastrum oreophilum*.

Equilabium Mwanyambo & al., Bot. J. Linn. Soc. 188: 367, 2018. Typus: *Plectranthus laxiflorus* Benth.

Equilabium laxiflorum (Benth.) Mwanyambo & al., Bot. J. Linn. Soc. 188: 367, 2018. Basionym: *Plectranthus laxiflorus*.

Plectranthus altanmouiensis T. C. Wilson & al., Telopea 21: 84-85, ills. (pp. 86-87), 2018. Typus: *Wilson & Renner* 610 (NSW, BRI).

Plectranthus amiculatus T. C. Wilson & al., Telopea 21: 81, ills. (pp. 80, 82-83), 2018. Typus: *Wilson & Renner* 595 (NSW, BRI).

Plectranthus laxus T. C. Wilson & P. I. Forster, Austral. Syst. Bot. 31(6): 440, ills. (pp. 435-436, 441), 2018. Typus: *Forster & McDonald* 45043 (BRI, NSW).

MELASTOMATACEAE

Gravesia parvula Almeda & Ranarivelo, Candollea 73(3): 2-4, ills., 2018. Typus: *Razafimandimbison & al.* 1517 (CAS, S, TAN).

Miconia amorimii (Reginato & R. Goldenberg) R. Goldenberg, Brittonia 71(1): 86, 2018. Basionym: *Pleiochiton amorimii*. [E-published Oct. 2018, print version March 2019.]

Miconia blepharodes (De Candolle) R. Goldenberg, Brittonia 71(1): 88, 2018. Basionym: *Clidemia blepharodes*. [E-published Oct. 2018, print version March 2019.]

Miconia ebracteata (Triana) R. Goldenberg, Brittonia 71(1): 94, 2018. Basionym: *Pleiochiton ebracteatum*. [E-published Oct. 2018, print version March 2019.]

Miconia longipetiolata (Brade) R. Goldenberg, Brittonia 71(1): 103, 2018. Basionym: *Pleiochiton longipetiolatum*. [E-published Oct. 2018, print version March 2019.]

Miconia parasitica (O. Berg ex Triana) R. Goldenberg, Brittonia 71(1): 108, 2018. Basionym: *Clidemia parasitica*. [E-published Oct. 2018, print version March 2019.]

Miconia pleiocrassifolia R. Goldenberg, Brittonia 71(1): 109, 2018. Typus: *Wilkes* s.n. (H, K, US). [E-published Oct. 2018, print version March 2019. *Nom. nov. pro Pleiochiton crassifolium* Naudin ex A. Gray 1854 (*non Miconia crassifolia* Triana 1871).]

Miconia pleioglazioviana R. Goldenberg, Brittonia 71(1): 109, 2018. Lectotypus: *Glaziou* 2998 (BR [lecto], C, P) [Lectotype designated (for the replaced synonym) by Reginato & al., *Rodriguésia* 61: 116, 2010.]. [E-published Oct. 2018, print version March 2019. *Nom. nov. pro Pleiochiton glaziovianum* Cogniaux 1888 (non *Miconia glazioviana* Cogniaux 1887).]

Miconia pleiomagdalensis R. Goldenberg, Brittonia 71(1): 109, 2018. Typus: *Brade & Lima* 13211 (RB). [E-published Oct. 2018, print version March 2019. *Nom. nov. pro Pleiochiton magdalenense* Brade 1945 (non *Miconia magdalenensis* (Brade) R. Goldenberg 2018).]

Miconia pleiomicrantha R. Goldenberg, Brittonia 71(1): 109, 2018. Typus: *Glaziou* 16947a (BR, P). [E-published Oct. 2018, print version March 2019. *Nom. nov. pro Pleiochiton micranthum* Cogniaux 1891 (non *Miconia micrantha* Cogniaux 1896).]

Miconia pleioparvifolia R. Goldenberg, Brittonia 71(1): 109, 2018. Typus: *Glaziou* 16947 (BR, K, P, R). [E-published Oct. 2018, print version March 2019. *Nom. nov. pro Pleiochiton parvifolium* Cogniaux 1891 (non *Miconia parvifolia* Cogniaux 1891).]

Miconia pleiorosea R. Goldenberg, Brittonia 71(1): 109, 2018. Typus: *de Moura* s.n. (BR). [E-published Oct. 2018, print version March 2019. *Nom. nov. pro Pleiochiton roseum* Cogniaux 1891 (non *Miconia rosea* Gleason 1941).]

Miconia pleiosetulosa R. Goldenberg, Brittonia 71(1): 109, 2018. Typus: *Glaziou* 589 (BR, C, P, R). [E-published Oct. 2018, print version March 2019. *Nom. nov. pro Pleiochiton setulosum* Cogniaux 1888 (non *Miconia setulosa* Cogniaux 1891).]

MONTIACEAE

Calandrinia lefroyensis Obbens, Nuytsia 29: 198, ills. (pp. 199-200), 2018. Typus: *Obbens & Reid* 9/05 (PERTH, CANB, MEL).

Calandrinia quartzitica Obbens, Nuytsia 29: 194, ills. (pp. 195-196), 2018. Typus: *Obbens & al.* 18/13 (PERTH, AD, CANB,

MEL).

Calandrinia wilsonii Obbens, Nuytsia 29: 201, ills. (p. 202), 2018. Typus: *Obbens* 42/02 (PERTH, CANB, MEL).

Cistanthe philhershkovitziana Hershkovitz, Phytologia 100(4): 209-210, ills. (pp. 219-221), 2018. Typus: *Hershkovitz* 18-01 (F, P).

Claytonia crawfordiorum Stoughton, Amer. J. Bot. 105(3): 546, ill., 2018. Typus: *Stoughton & Jolles* 2172 (PSH, CAS, JEPS, NY, RSA, US). [Sphalm. 'crawfordii', but named after Larry & Suzanne Crawford.]

PIPERACEAE

Peperomia castilloi Vergara-Rodríguez & Jimeno-Sevilla, Phytotaxa 369(2): 94-95, ills. (pp. 94, 96), 2018. Typus: *Jimeno-Sevilla & al.* 1471 (MEXU, BR, G, IBUG, IEB, MO, XAL, ZON).

Peperomia zongolicana Jimeno-Sevilla & Vergara-Rodríguez, Phytotaxa 369(2): 102-103, ills. (pp. 102-103), 2018. Typus: *Jimeno-Sevilla & al.* 1700 (MEXU, BR, G, IEB, IBUG, K, MO, XAL, ZON).

PORTULACACEAE

Portulaca badamica S. R. Yadav & Dalavi, Phytotaxa 376(1): 69-71, ills., 2018. Typus: *Yadav & al.* JVD-1250 (CAL, BSI, K, SUK).

Portulaca juliomartinezii Ocampo, Phytotaxa 347(1): 90-91, ills., 2018. Typus: *Ocampo & al.* 1960 (HUAA, IEB, MEXU).

Portulaca lakshminarasimhaniana S. R. Yadav & Dalavi, Phytotaxa 376(1): 72-75, ills., 2018. Typus: *Yadav & al.* JDV-1251 (CAL, BSI, K, SUK).

RUSCACEAE

- Dracaena aethiopica** (Thunberg) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 64, 2018. Basionym: *Sansevieria aethiopica*.
- Dracaena angolensis** (Welwitsch ex Carrière) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 64, 2018. Basionym: *Sansevieria angolensis*. [The authors state that the replaced synonym is *Sansevieria cylindrica* Bojer ex Hooker 1859, non *Dracaena cylindrica* Hooker fil., but the combination is actually made for *Sansevieria angolensis* Welwitsch ex Carrière 1861.]
- Dracaena arborescens** (Cornu ex Gérôme & Labroy) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 64, 2018. Basionym: *Sansevieria arborescens*.
- Dracaena ascendens** (L. E. Newton) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 64, 2018. Basionym: *Sansevieria ascendens*.
- Dracaena aubrytiana** (Carrière) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 64-65, 2018. Basionym: *Sansevieria aubrytiana*.
- Dracaena bacularis** (Pffennig ex A. Butler & Jankalski) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria bacularis*.
- Dracaena bagamoyensis** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria bagamoyensis*.
- Dracaena ballyi** (L. E. Newton) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria ballyi*.
- Dracaena bella** (L. E. Newton) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria bella*.
- Dracaena bhitalae** (R. H. Webb & L. E. Newton) Takawira-Nyenyanya & Mucina, Phytotaxa 376: 270, 2018. Basionym: *Sansevieria bhitalae*.
- Dracaena bugandana** Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Typus: *Forrest* 303 (MHU). [Nom. nov. pro *Sansevieria lineata* T. G. Forrest 2013 (non *Dracaena lineata* hort. ex Baker 1875).]
- Dracaena bukedea** Takawira-Nyenyanya & Mucina, Phytotaxa 376: 270, 2018. Typus: *Forrest* 1506 (MHU). [Nom. nov. pro *Sansevieria rosulata* T. G. Forrest 2017 (non *Dracaena rosulata* Mwachala & Fischer 2013).]
- Dracaena burdettii** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria burdettii*.
- Dracaena burmanica** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria burmanica*.
- Dracaena canaliculata** (Carrière) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria canaliculata*.
- Dracaena caulescens** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria caulescens*.
- Dracaena chahinianii** (R. H. Webb & Myklebust) Takawira-Nyenyanya & Mucina, Phytotaxa 376: 270, 2018. Basionym: *Sansevieria chahinianii*.
- Dracaena conspicua** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria conspicua*.
- Dracaena dawei** (Stapf) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria dawei*.
- Dracaena dhofarica** (T. A. McCoy & Lavranos) Takawira-Nyenyanya & Mucina, Phytotaxa 376: 270, 2018. Basionym: *Sansevieria dhofarica*.
- Dracaena dooneri** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria dooneri*.
- Dracaena downsii** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria downsii*.
- Dracaena dumetescens** (L. E. Newton) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria dumetescens*.
- Dracaena ebracteata** (Cavanilles) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym:

- Salmia ebracteata*.
- Dracaena eilensis** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria eilensis*.
- Dracaena erythraeae** (Mattei) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria erythraeae*.
- Dracaena fasciata** (Cornu ex Gérôme & Labroy) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria fasciata*.
- Dracaena forskaoliana** (Schultes & Schultes fil.) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Smilacina forskaoliana*.
- Dracaena francisii** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria francisii*.
- Dracaena frequens** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria frequens*.
- Dracaena gracillima** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria gracillima*.
- Dracaena haemanthoides** Bos ex Damen, Blumea 63: 37-38, ills. (pp. 38-39), 2018. Typus: *Veldhuizen* 982 ex *Leeuwenberg* 10334 (WAG [2 sheets + spirit specimen]) [3 parts of the holotype specifically cited in the protologue].
- Dracaena hallii** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria hallii*.
- Dracaena hargeisana** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria hargeisana*.
- Dracaena humiflora** (D. J. Richards) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria humiflora*.
- Dracaena ×itumei** (Mbugua) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria aethiopica* ssp. *itumei*. [*Sphalm.* 'itumea'.]
- Dracaena laevifolia** (R. H. Webb & L. E. Newton) Takawira-Nyenyanya & Mucina, Phytotaxa 376: 270, 2018. Basionym: *Sansevieria laevifolia*.
- Dracaena lavranii** (R. H. Webb & Myklebust) Takawira-Nyenyanya & Mucina, Phytotaxa 376: 270, 2018. Basionym: *Sansevieria lavranii*.
- Dracaena liberica** (Gérôme & Labroy) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria liberica*.
- Dracaena longiflora** (Sims) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria longiflora*.
- Dracaena longiflora** var. **fernandopoensis** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria longiflora* var. *fernandopoensis*.
- Dracaena longistyla** (Ja Croix) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria longistyla*.
- Dracaena lunatifolia** (L. E. Newton) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Basionym: *Sansevieria lunatifolia*.
- Dracaena malawiana** Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 65, 2018. Typus: *Burdett* s.n. in *Chahinian* 319 (K, MO). [*Nom. nov. pro Sansevieria formosa* Chahinian 2012 (*non Dracaena formosa* hort. ex Baker 1875).]
- Dracaena masoniana** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria masoniana*.
- Dracaena newtoniana** (T. G. Forrest) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria newtoniana*.
- Dracaena nilotica** (Baker) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria nilotica*.
- Dracaena nitida** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria nitida*.
- Dracaena oldupai* Takawira-Nyenyanya & Mucina, Phytotaxa 376: 270, 2018. Based on *Schweinfurth* 31. *Nom. illeg.* (ICN Art.

- 52.1). [*Nom. nov. & illeg. pro Sansevieria ehrenbergii* Scheinfurth ex Baker 1875 (*non Dracaena ehrenbergii* hort. ex Baker 1875, which is a *nom. inval.* under ICN Art. 36.1c, however).]
- Dracaena parva** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, fig. 8F (p. 57), 2018. Basionym: *Sansevieria parva*.
- Dracaena patens** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria patens*.
- Dracaena pearsonii** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria pearsonii*.
- Dracaena pedicellata** (la Croix) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria pedicellata*.
- Dracaena perrotii** (Warburg) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria perrotii*.
- Dracaena pethera** Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Typus: Kirk s.n. (K). [*Nom. nov. pro Sansevieria kirkii* Baker 1887 (*non Dracaena kirkii* Baker 1874).]
- Dracaena pethera** var. **pulchra** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria kirkii* var. *pulchra*.
- Dracaena pfisteri** (D. J. Richards) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria pfisteri*.
- Dracaena phillipsiae** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria phillipsiae*.
- Dracaena pinguicula** (P. R. O. Bally) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria pinguicula*.
- Dracaena pinguicula** ssp. **disticha** (Pfennig ex A. Butler) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria pinguicula* ssp. *disticha*.
- Dracaena pinguicula** ssp. **nana** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria pinguicula* var. *nana*.
- Dracaena powellii** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria powellii*.
- Dracaena powysii** (L. E. Newton) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria powysii*.
- Dracaena raffillii** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria raffillii*.
- Dracaena roxburghiana** (Schultes *fil.*) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria roxburghiana*.
- Dracaena sambiranensis** (H. Perrier) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria sambiranensis*.
- Dracaena scimitariformis** (D. J. Richards) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria scimitariformis*.
- Dracaena senegambica** (Baker) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria senegambica*.
- Dracaena serpenta** Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Typus: Powell 11 (K). [*Nom. nov. pro Sansevieria gracilis* N. E. Brown 1911 (*non Dracaena gracilis* Salisbury 1796 *nec* Baker 1875).]
- Dracaena serpenta** var. **humbertiana** (Guillaumin) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria humbertiana*.
- Dracaena singularis** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria singularis*. [This replaces the prioritable synonym *Boophone fischeri* Baker 1898 (*non Dracaena fischeri* Baker 1892).]
- Dracaena sinus-simiorum** (Chahinian) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria sinus-simiorum*. [Sphalm. 'sinus-

- simiorum' (cf. ICN Art. 60.9).]
- Dracaena sordida** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria sordida*.
- Dracaena spathulata** Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Typus: *Dawe* 1 (K). [*Nom. nov. pro Sansevieria concinna* N. E. Brown 1915 (*non Dracaena concinna* Kunth 1850).]
- Dracaena specksii** (R. H. Webb & A. Myklebust) Takawira-Nyanya & Mucina, Phytotaxa 376: 271, 2018. Basionym: *Sansevieria specksii*.
- Dracaena stuckyi** (Godefroy-Lebeuf) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66, 2018. Basionym: *Sansevieria stuckyi*.
- Dracaena subspicata** (Baker) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 66-67, 2018. Basionym: *Sansevieria subspicata*.
- Dracaena subtilis** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 67, 2018. Basionym: *Sansevieria subtilis*.
- Dracaena suffruticosa** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 67, 2018. Basionym: *Sansevieria suffruticosa*.
- Dracaena suffruticosa** var. **longituba** (Pfennig) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 67, 2018. Basionym: *Sansevieria suffruticosa* var. *longituba*.
- Dracaena testudinea** Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 67, 2018. Typus: *Braun* s.n. (EA). [*Nom. nov. pro Sansevieria braunii* Engler & K. Krause 1910 (*non Dracaena braunii* Engler 1892).]
- Dracaena varians** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 67, 2018. Basionym: *Sansevieria varians*.
- Dracaena volkensii** (Gürke) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 67, 2018. Basionym: *Sansevieria volkensii*.
- Dracaena zebra** Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 67, 2018. Typus: *Anonymus* s.n. (P. K). [*Nom. nov. pro Sansevieria metallica* Gérôme &

- Labroy 1903 *non Dracaena metallica* W. Bull 1872.]
- Dracaena zebra** var. **nyasica** (N. E. Brown) Byng & Christenhusz, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 67, 2018. Basionym: *Sansevieria metallica* var. *nyasica*. [Parenthetical author omitted in the combination.]
- Nolina brandegeei** (Trelease) L. Hernández, Syst. Bot. 43(3): 721, ills. (p. 725), 2018. Basionym: *Nolina palmeri* [?] *brandegeei*. [Basionym incorrectly cited (and with erroneous page reference) at the rank of variety.]
- Sansevieria bhitalae** R. H. Webb & L. E. Newton, Sansevieria 37: 12-15, ills., 2018. Typus: *Bhitala* 1000 (MO).
- Sansevieria chahinianii** R. H. Webb & Myklebust, Sansevieria 37: 6-7, ills., 2018. Typus: *Specks* 14026 (MO).
- Sansevieria coleana** T. G. Forrest, CactusWorld 36(4): 262-263, ills. (pp. 261-263), 2018. Typus: *Forrest* 1509 (MHU).
- Sansevieria lavranii** R. H. Webb & Myklebust, Sansevieria 37: 10-11, ills., 2018. Typus: *Lavranos* 23295 (MO).
- Sansevieria specksii** R. H. Webb & Myklebust, Sansevieria 37: 7-10, ills., 2018. Typus: *Specks* 21430 (MO).

SOLANACEAE

- Nolana bombonensis** Quipuscoa & M. O. Dillon, Arnaldoa 25(2): 298, ills. (pp. 313-315), 2018. Typus: *Quipuscoa* & al. 6338 (HSP, F, USM).
- Nolana callae** Quipuscoa & M. O. Dillon, Arnaldoa 25(2): 300, ills. (pp. 317-318), 2018. Typus: *Quipuscoa* & al. 6857 (HSP, F, USM).
- Nolana patachensis** J. Hepp & M. O. Dillon, Arnaldoa 25(2): 325-326, ills. (pp. 331-335), 2018. Typus: *Siefeld* 32 (SGO).
- Nolana quicachaensis** Quipuscoa & M. O. Dillon, Arnaldoa 25(2): 301, ills. (pp. 319-320), 2018. Typus: *Quipuscoa* & al. 6763 (HSP, F, USM).
- Nolana tricotiflora** Quipuscoa & M. O. Dillon, Arnaldoa 25(2): 302-303, ills. (pp. 321-322), 2018. Typus: *Quipuscoa* & al. 6433 (HSP,

F, USM).

TALINACEAE

Talinum albiflorum (Applequist) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella albiflora*.

Talinum ankaranense (Applequist) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella ankaranensis*.

Talinum boivinianum (Baillon) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella boiviniana*.

Talinum bosseri (Applequist) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella bosseri*.

Talinum dauphinense (Scott-Elliot) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella dauphinensis*.

Talinum grevei (Danguy) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella grevei*.

Talinum humbertii (Applequist) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella humbertii*.

Talinum latifolium (Applequist) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella latifolia*.

Talinum microphyllum (Eggli) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella microphylla*.

Talinum pachypodum (Eggli) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella pachypoda*.

Talinum tsitondroinense (Applequist) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella tsitondroinensis*.

Talinum xerophilum (Applequist) Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 144, 2018. Basionym: *Talinella xerophila*.

VITACEAE

Cayratieae J. Wen & L. M. Lu, J. Syst. Evol. 56(4): 266, 2018. Typus: *Cayratia* Jussieu.

ZYGOPHYLLACEAE

Zygophyllum augea Christenhusz & Byng, Global Fl., GLOVAP Nomencl. Part 1, Vol. 4, 93, 2018. [*Nom. nov. pro Augea capensis* Thunberg 1794 (*non Zygophyllum capense* Lamark 1788.)]

BIBLIOGRAPHIA

- [1] **Abraham, W.-R. (2018)** *Notocactus uebelmannianus* und Verwandte – eine Bereicherung für jede Sammlung. Kakt. and. Sukk. 69(9): 268-272, ills. [Included for the illustrations.]
- [2] **Acevedo-Rosas, R., Cházaro Basáñez, M. J., Jimeno-Sevilla, H. D. & Delgado, O. Z. (2018)** *Crassulaceae* from western-central Mexico. Cact. Succ. J. (Los Angeles) 90(2): 146-151, (3): 191 [erratum], ills., map. [URL](#)
- [3] **Acuña, J. M. (2018)** Adventures in Guantánamo II. In Situ: *Melocactus evae*. Int. Cact.-Advent. 30(1): 40-50, ills., map.
- [4] **Acuña, J. M. (2018)** The genus *Leptocereus* in Cuba. Part 1: Populations in Pinar del Río, the most western region of the island. El género *Leptocereus* en Cuba. Parte 1: Poblaciones en Pinar del Río, la región más occidental de la isla. Xerophilia 7(1): 27-42, ills.
- [5] **Aditya, S. (2018)** Indian succulents, part 2. *Ceropegia hirsuta* Wight & Arn. Asklepios 124: 21-22, ills. [Included for the illustrations. Part 1 published l.c. 115, 2013.]
- [6] **Afferni, M. (2018)** *Euphorbia xpetterssonii* Svent.: The uncertainty of one of its parents remains! Int. Cact.-Advent. 30(1): 32-36, ills.
- [7] **Afferni, M. (2018)** *Sedum* e *Petrosedum* a Matera. Piante Grasse 38(2): 34-38, ills. [Almost the same paper also published in Sedum Soc. Newslett. 126: 90-91, ills., 2018.]
- [8] **Afferni, M. (2018)** *Sedum alfredii* in habitat? Newslett. Sedum Soc. 124: 46-47, ill.
- [9] **Afferni, M. (2018)** Short note on *Sedum gypsicola* subsp. *trinacrae*. Newslett. Sedum Soc. 125: 70-72, ills.
- [10] **Aguilar-García, S. A., Figueroa-Castro, D. M., Valverde, P. L. & Vite, F. (2018)** Effect of flower orientation on the male and female traits of *Myrtillocactus geometrizans* (Cactaceae). Pl. Biol. (Stuttgart) 20(3): 531-535. [URL](#)
- [11] **Ahl, L. I., Grace, O. M., Pedersen, H. L., Willats, W. G. T., Jørgensen, B. & Rønsted, N. (2018)** Analyses of *Aloe* polysaccharides using carbohydrate microarray profiling. JAOAC Int. 101(6): 1720-1728. [URL](#)
- [12] **Almeida, O. J. G. de, Souza, L. A. de, Paoli, A. A. S., Davis, A. R. & Cota-Sánchez, J. H. (2018)** Pericarp development in fruit of epiphytic cacti: Implications for fruit classification and macro-morphology in the *Cactaceae*. Botany 96(9): 621-635, ills. [URL](#)
- [13] **Alvarado-Sizzo, H., Casas, A., Parra, F., Arreola-Nava, H. J., Terrazas, T. & Sánchez, C. (2018)** Species delimitation in the *Stenocereus griseus* (Cactaceae) species complex reveals a new species, *S. huastecorum*. PLoS One 13(1): e0190385, 25 pp., ills., maps. [Commented partial Russian version in Kakt. Tolko 2018(4"): 8-17, ills., 2018.] [URL](#)
- [14] **Amini Rad, M. & Sajedi, S. (2018)** Flora of Iran. Fasc. 149: *Portulacaceae*. Teheran (IR): Research Institute of Forests and Rangelands. 18 pp.
- [15] **Aneschi, G. & Magli, A. (2018)** A synopsis of the genus *Parodia* Spegazzini s.l. (Cactaceae). Bradleya 36: 70-161, ills., maps. [URL](#)
- [16] **Andrada, A. R., Páez, V. A. & Muruaga, N. B. (2018)** Recuentos cromosómicos y análisis cariotípicos en *Rebutia krainziana* y *R. minuscula* subsp. *wessneriana* (Cactaceae, Cactoideae). Lilloa 55(2): 8-16, ills. [URL](#)
- [17] **Antálek, P. (2018)** [Czech:] *Ariocarpus fissuratus* (Engelmann) Schumann. Cactaceae etc. 28(2): 53-57, ills. [Included for the illustrations.]
- [18] **Appenzeller, O. (2018)** Was ist eigentlich "*Mammillaria estanzuelensis*"? Teil 1 / Teil 2 und Schluss. Mitteilungsbl. Arbeitskreises Mammillarienfr. 42(1): 26-33, (2): 122-127, ills.
- [19] **Appenzeller, O. (2018)** Der "Wahnsinn" geht weiter! Noch einmal alte Erstbeschreibungen von Mammillarien in der "Neuen Blumen-Zeitung" entdeckt! Mitteilungsbl. Arbeitskreises Mammillarienfr. 42(2): 106-111.
- [20] **Appenzeller, O., Linzen, T. & Rudzinski, H. (eds.) (2018)** Ergänzungslieferung zum Werk "Die Mammillarien" (LBS-Lieferung 2017). Radeburg (DE): Arbeitskreis für Mammillarienfreunde e.V. 50 loose-leaf sheets + 13 pp., ills.
- [21] **Areces-Mallea, A. E. (2018)** *Neohaitia %cereus*. A new subgenus for the rediscovered

Cereeae depicted in Plumier's plate 26 of the *Botanicon Americanum*. Cact. Succ. J. (Los Angeles) 90(2): 107-118, ills. [URL](#)

[22] **Areces-Mallea, A. E. (2018)** New taxa of *Leptocereus* (*Cactaceae: Cactoideae*) from western Cuba. Cact. Succ. J. (Los Angeles) 90 (4): 258-266, ills., key. [Includes a key to *Leptocereus* species from W Cuba.] [URL](#)

[23] **Arena, G. (2018)** Kraalaalwyn: An oasis in the drought. Veld Fl. (1975+) 104(1): 26-29, ills. [On *Aloe claviflora* pollination.]

[24] **Arogundade, O. O. & Lawal, H. O. (2018)** Palynological studies of three taxa and one F1 hybrid in the genus *Talinum* Adans. Notul. Sci. Biol. 10(2): 175-181. [URL](#)

[25] **Artigas Azas, J. M. (2018)** *Mammillaria orcuttii* Bödeker, not rare but beautiful. Xerophilia 6(4): 43-54, ills. [Included for the superb illustrations. First published in Areole Newslett. El Paso Cact. Rock Club 13(3): 2, 2017; German version with only a subset of the illustrations published in Mitteilungsbl. AfM 42(1): 20-25, ills., 2018.]

[26] **Artigas Azas, J. M. (2018)** *Mammillaria erythrosperma* Bödeker. Xerophilia 7(1): 71-80, ills. [Included for the superb illustrations.]

[27] **Artigas-Azas J. M. (2018)** Seidenkissenkaktus: *Mammillaria bombycina* Quehl. Mitteilungsbl. Arbeitskreises Mammillarienfr. 42(2): 74-80, ills. [Included for the superb illustrations.]

[28] **Arzabe, A. A., Aguirre, L. F. & Baldelomar, M. (2018)** Pollination system of two endemic Bolivian cacti: *Harrisia tetraacantha* and *Neoraimondia herzogiana*. Bradleya 36: 178-188, ills., map. [URL](#)

[29] **Arzabe, A. A., Aguirre, L. F., Baldelomar, M. P. & Molina-Montenegro, M. A. (2018)** Assessing the geographic dichotomy hypothesis with cacti in South America. Pl. Biol. (Stuttgart) 20(2): 399-402, map. [URL](#)

[30] **Augros, S., Hoareau, D. & Baidier, C. (2018)** A new record of *Portulaca* (*Portulacaceae*) to La Réunion Island, *Portulaca* cf. *pilosa* L.: Native or recently (re-)introduced? Bot. Letters 165(2): 193-199, maps, ills. [URL](#)

[31] **Auttama, P., McKey, D. & Kidyoo, A. (2018)** Flowering phenology and trap pollina-

tion of the rare endemic plant *Ceropegia thaithongiae* in montane forest of northern Thailand. Botany 96(9): 601-620, ills. [URL](#)

[32] **Aybeke, M. (2018)** Reports 1-10. In: Vladimirov, V. & al. (eds.): New floristic records in the Balkans: 36. Phytol. Balcan. 24(2): 264. [Includes data for *Sedum telephium* ssp. *maximum*.]

[33] **Aye, M. M., Aung, H. T., Thu, Z. M., Sein, M. M., Takaya, Y., Komori, Y., Clericuzio, M. & Vidari, G. (2018)** Constituents of the rhizomes of *Sansevieria cylindrica*. Nat. Prod. Commun. 13(9): 1129-1132. [URL](#)

[34] **Baker, M. A. & Pinkava, D. J. (2018)** Chromosome numbers in some cacti of Western North America – IX. Haseltonia 25: 5-29, ills. [URL](#)

[35] **Barina, Z., Somogyi, G., Pifkó, D. & Rakaj, M. (2018)** Checklist of vascular plants of Albania. Phytotaxa 378(1): 1-339. [Includes *Cactaceae* (p. 103), *Crassulaceae* (pp. 136-139) and *Portulacaceae* (p. 265). Erratum published l.c. 428(2): 162, 2020.] [URL](#)

[36] **Barrie, F. R., Skog, L. E. & Clark, J. L. (2018)** A new species of *Alsobia* (*Gesneriaceae*) from Belize, with a synopsis of the genus. Novon 26(1): 1-8, ills. [URL](#)

[37] **Bartels, I. (2018)** Die Kreuzung *Echinocereus coccineus* subsp. *coccineus* × *Echinocereus bonkeriae* subsp. *apachensis* – oder wir kreuzen eine tetraploide Art mit einer diploiden Art. Echinocereenfreund 31(3): 79-86, ills.

[38] **Baues, W. (2018)** *Echinocereus relictus* Wellard: Zusammenfassung der Erstpublikation. Echinocereenfreund 31(1): 3-9, ills. [Included for the illustrations.]

[39] **Beckert, K. (2018)** Bemerkungen zu den Sulcorebutien zwischen Estancia Amancaya und Tarabuquillo / Sopachuy. Echinopseen 15(1): 66-74, ills., map.

[40] **Bester, S. P. & Nicholas, A. (2018)** New combinations in *Stenostelma* (*Apocynaceae* – *Asclepiadoideae*) and two novel species from South Africa. Phytotaxa 361(1): 41-55, ills., map. [URL](#)

[41] **Bischofberger, M. (2018)** Flora Mesoamericana online: Genus *Echeveria* corrected. Cras-

sulacea 7: 1-55, ills.

[42] **Blum, W. (2018)** *Echinocereus* 2017: Korrektur und Typisierung der innergenerischen Namen und Rangstufen. Teil 2. *Echinocereenfreund* 31(1): 19-24. [Continued from l.c. 30(4), 2017.]

[43] **Blum, W., Oldach, T., Oldach, J., Baues, W. & Goris, R. (2018)** Genus *Echinocereus*. Subgenus *Triglochidiatus*, Sectio *Scheeria*, Series *Aciferi*. Die *Echinocereus acifer*-Gruppe. *Echinocereenfreund* 31(Suppl.): 416 pp., ills., maps, key. [= Sonderausgabe 2018. Labelled as "Band 4" on the spine.]

[44] **Boatwright, J. S., Forest, F. & Manning, J. C. (2018)** Systematics of *Trachyandra* (*Aspodelaceae*, *Asphodeloideae*): Taxonomy, phylogeny and evolution. *S. African J. Bot.* 115: 280 [abstract only]. [URL](#)

[45] **Bockemühl, J. (2018)** *Rhipsalis hoelleri* Barthlott & N. P. Taylor. *EPIG* 81: 16-18, ills. [Included for the illustrations.]

[46] **Bouman, R. W., Kessler, P. J. A., Telford, I. R. H., Bruhl, J. J. & van Welzen, P. C. (2018)** Subgeneric delimitation of the plant genus *Phyllanthus* (*Phyllanthaceae*). *Blumea* 63 (2): 167-198. [URL](#)

[47] **Brand, T. (2018)** Klein und versteckt – *Dudleya brevifolia*. *Kakt. and. Sukk.* 69(1): 13-16, ills. [Included for the illustrations.]

[48] **Braun, P. J. (2018)** Die in Mato Grosso do Sul (Brasilien) heimischen Kakteen – ein Nachtrag. *Kakt. and. Sukk.* 69(12): 364-366, ills.

[49] **Braun, P. J. & Neirinck, K. J. (2018)** *Pierrebraunia eddie-estevesii*, een opmerkelijke nieuwheid uit Minas Gerais. *Tijdschr. Liefhebb. Cact. Vetpl. Kamerpl.* 31(5): 70-73, 80, ills. [Included for the illustrations.]

[50] **Breckwoldt, S. & Breckwoldt, K. (2018)** Einmal quer durch den Osten Mexikos auf den Spuren von *Echinocereus pulchellus*. *Kakt. and. Sukk.* 69(7): 205-208, ills.

[51] **Bruun-Lund, S., Verstraete, B., Kjellberg, F. & Rønsted, N. (2018)** Rush hour at the museum – diversification patterns provide new clues for the success of figs (*Ficus* L., *Moraceae*). *Acta Oecol.* 90: 4-11. [URL](#)

[52] **Bruyns, P. V. (2018)** New taxa in *Euphor-*

bia (*Euphorbiaceae*) in southern Africa. *Haseltonia* 25: 30-56, ills., maps. [URL](#)

[53] **Bruyns, P. V., Klak, C. & Hanáček, P. (2018)** An account of *Ceropegia* Sect. *Chamaesiphon* (*Apocynaceae*) in Moçambique with new records and two new species. *Phytotaxa* 364(2): 111-135, ills., maps, key. [URL](#)

[54] **Bruyns, P. V., Klak, C. & Hanáček, P. (2018)** Corrigendum to "A revised, phylogenetically-based concept of *Ceropegia* (*Apocynaceae*)" [*S. Afr. J. Bot.* 112 (2017) 399-436]. *S. African J. Bot.* 116: 140-141. [URL](#)

[55] **Brzezicka, E. & Koziaradzka-Kiszkurno, M. (2018)** Ultrastructural and cytochemical aspects of female gametophyte development in *Sedum hispanicum* L. (*Crassulaceae*). *Protoplasma* 255: 247-261, ills. [URL](#)

[56] **Brzezicka, E. & Koziaradzka-Kiszkurno, M. (2018)** Female gametophyte development in *Sedum sediforme* (Jacq.) Pau (*Crassulaceae*): An anatomical, cytochemical and ultrastructural analysis. *Protoplasma* 256(2): 537-553, ills. [URL](#)

[57] **Buddensiek, V. & Schnabel, D. H. (2018)** An "ordinary" *Euphorbia* (continued). *Euphorbia World* 14(2): 34-35, ills. [On *Euphorbia ferrox*.]

[58] **Budweg, H.-G. (2018)** Beobachtungen an Sansevierenblüten mit gestreckten Thyrsen. *Sansevieria Online* 6(2): 13-23, ills., map.

[59] **Burkartsmaier, A. (2018)** Eine Chimäre aus *Ariocarpus* und *Pereskiaopsis*. *Kakt. and. Sukk.* 69(4): 117-121, ills.

[60] **Camacho-Velázquez, A., Arias, S., García-Campusano, F., Sánchez-Martínez, E. & Vázquez-Santana, S. (2018)** Seed development and germination of *Strombocactus* species (*Cactaceae*): A comparative morphological and anatomical study. *Flora* 242: 89-101, ills. [Partial Russian translation in *Kakt. Tolko* 2019(3): 19-25, ills., 2019.] [URL](#)

[61] **Capacci, E. (2018)** Il genere *Adenium*. *Piante Grasse* 38(1): Supplemento, 63 pp., ills.

[62] **Carneiro-Torres, D. S., Marques da Silva, O. L. & Cordeiro, I. (2017)** Flora da Bahia: *Euphorbia* (*Euphorbiaceae*). *Sitientibus, Sér. Ci. Biol.* 17: scb2676, 28 pp., key, ills., maps. [Omitted previously.] [URL](#)

- [63] **Carrera-Martínez, R., Ruiz-Arocho, J., Aponte-Díaz, L. & Jenkins, D. A. (2018)** Natural history notes for the columnar, globular and semi-epiphytic cactus species of the island of Puerto Rico. *Haseltonia* 24: 16-27, ill., map. [URL](#)
- [64] **Castillon, J.-P. & Castillon, J.-B. (2018)** Notes sur *Euphorbia* Sect. *Denisophorbia* (*Euphorbiaceae*) à Madagascar: Description d'une nouvelle espèce et une nouvelle synonymie. *Candollea* 73(1): 25-31, ill. [URL](#)
- [65] **Charles, G. (2018)** *Matucana & Oroya*. Adelsdorf (GE): Deutsche Kakteen-Gesellschaft e.V. 144 pp., ill. [= Sonderdruck der Deutschen Kakteen-Gesellschaft.]
- [66] **Cházaro Basáñez, M. J. & Rivera-Hernández, J. (2018)** *Sedum lucidum* (*Crassulaceae*), an endemic stonecrop of Veracruz, Mexico. *Cact. Succ. J. (Los Angeles)* 90(1): 69-70, ill. [URL](#)
- [67] **Cházaro Basáñez, M. J., Narave-Flores, H. & Francisco-Gutiérrez, J. A. (2018)** Introducing the succulent flora of Mexico: *Agave applanata* (*Asparagaceae* – *Agavoideae*). *Int. Cact.-Advent.* 30(1): 53-57, ill.
- [68] **Cházaro Basáñez, M. J., Rivera-Hernández, J. E., Vargas-Rueda, A. F. & Francisco-Gutiérrez, J. A. (2018)** *Agave potatorum* (*Asparagaceae* - *Agavoideae*), a new record for the state of Veracruz, Mexico. *Int. Cact.-Advent.* 30(2): 41-47, ill.
- [69] **Choi, K. S., Kwak, M., Lee, B. & Park, S. (2018)** Complete chloroplast genome of *Tetragonia tetragonioides*: Molecular phylogenetic relationships and evolution in Caryophyllales. *PLoS One* 13(6): 1-11. [URL](#)
- [70] **Chorghé, A. R., Prasad, K. & Rasingam, L. (2018)** Notes on the identity and distribution of *Caralluma diffusa* (*Apocynaceae*) in Eastern Ghats of Andhra Pradesh and Odisha. *Nation. Acad. Sci. Lett.* 41(6): 407-410, ill. [URL](#)
- [71] **Chu, Z.-F., Wen, J., Yang, Y.-P., Nie, Z.-L. & Meng, Y. (2018)** Genome size variation and evolution in the grape family *Vitaceae* J. *Syst. Evol.* 56(4): 273-282. [URL](#)
- [72] **Clifton, R. T. F. (2018)** *Pelargonium* Sect. *Otidia*: Record of types. *Geraniaceae Assoc. Notes* 3: 1-17.
- [73] **Clifton, R. T. F. (2018)** *Pelargonium*: 2 new species & review of *P. dasycaule*. *Geraniaceae Assoc. Notes* 4: 1-21, ill.
- [74] **Clifton, R. T. F. (2018)** *Pelargonium* Sect. *Otidia*: The *P. crithmifolium* sub-group, problems with specimen identification. *Geraniaceae Assoc. Notes* 5: 1-40, inside back cover, ill.
- [75] **Cole, L. W., Guo, W., Mower, J. P. & Palmer, J. D. (2018)** High and variable rates of repeat-mediated mitochondrial genome rearrangement in a genus of plants. *Molec. Biol. Evol.* 35(11): 2773-2785. [On *Monsonia*.] [URL](#)
- [76] **Contreras-Negrete, G., Ruiz-Durán, M. E., Cabrera-Toledo, D., Casas, A., Vargas, O. & Parra, F. (2015)** Genetic diversity and structure of wild and managed populations of *Polaskia chende* (*Cactaceae*) in the Tehuacán-Cuicatlán Valley, Central Mexico: Insights from SSR and allozyme markers. *Genet. Resources Crop Evol.* 62: 85-101, maps. [Omitted previously.] [URL](#)
- [77] **Cousins, S. (2018)** Spoons, chastity and elusion: Tracking down the fynbos vygie genus *Erepsia*. *Veld Fl. (1975+)* 104(1): 17-22, ill.
- [78] **Couto, R. S., Martins, A. C., Bolson, M., Lopes, R. C., Smidt, E. C. & Braga, J. M. A. (2018)** Time calibrated tree of *Dioscorea* (*Dioscoreaceae*) indicates four origins of yams in the Neotropics since the Eocene. *Bot. J. Linn. Soc.* 188(2): 144-160, map, ill. [URL](#)
- [79] **Cristini, M. (2018)** The *Crassulaceae* of El Hierro (Canary Islands). *Cact. Explorer* 23: 30-47, ill., maps.
- [80] **Cristini, M. (2018)** La Gomera: *Aeonium* e felci all'ombra dei barranco. *Piante Grasse* 38 (1): 2-17, ill., map. [Includes data on the distribution of *Crassulaceae* species on the island.]
- [81] **Cristini, M. (2018)** *Monanthes* *xisabellae* nothosubsp. *gomerensis* in Majona (La Gomera). *Newslett. Sedum Soc.* 125: 61-63, ill. [Included for the illustrations.]
- [82] **Crochet, P. (2018)** Les *Aeonium* de l'île de La Gomera. 2ème partie. *Cact. Succ.* 10(1): 2-7, ill. [Continued from l.c. 9(2), 2017.]
- [83] **Cuypers, F. (2018)** *Echinocactus parryi* Engelm. 1856. *Tijdschr. Liefhebb. Cact.*

Vetpl. Kamerpl. 31(4): 51-54, ills. [Included for the illustrations of a flowering plant in cultivation.]

[84] **Damen, T. H. J., van der Burg, W. J., Wiland-Szymanska, J. & Sosef, M. S. M. (2018)** Taxonomic novelties in African *Dracaena* (*Dracaenaceae*). *Blumea* 63: 31-53, maps, ills. [URL](#)

[85] **Davis, T. J. (2018)** Die aufregende Entdeckung eines neuen Kaktus im Süden Mexikos – *Thelocactus tepelmensis*. *Kakt. and Sukk.* 69(12): 359-363, ills. [Included for the illustrations.]

[86] **De-Nova, J. A., Sánchez-Reyes, L. L., Eguarte, L. E. & Magallón, S. (2018)** Recent radiation and dispersal of an ancient lineage: The case of *Fouquieria* (*Fouquieriaceae*, Ericales) in North American deserts. *Molec. Phylogen. Evol.* 126: 92-104, ills., map. [URL](#)

[87] **Dee, R., Malakasi, P., Rakotoarisoa, S. E. & Grace, O. M. (2018)** A phylogenetic analysis of the genus *Aloe* (*Asphodelaceae*) in Madagascar and the Mascarene Islands. *Bot. J. Linn. Soc.* 187(3): 428-440, ills. [URL](#)

[88] **Desender-Bruneel, M. (2018)** *Vatricania guentheri* of zeggen we nu: *Espostoa guentheri*? *Tijdschr. Liefhebb. Cact. Vetpl. Kamerpl.* 31(6): 86-90, ills. [Included for the illustrations.]

[89] **Deubelbeiss, R. (2018)** Die Gattung *Eriocephala* Backeberg. *Internoto* 39(2): 27-41, ills.

[90] **Deubelbeiss, R. (2018)** Die Gattung *Wigginsia* D. M. Porter. *Internoto* 39(4): 83-134, ills.

[91] **Diers, L. (2018)** Kreuzungsexperimente zwischen *Parodia* und *Notocactus*. *Mitteilungsbl. Inter-Parodia-Kette* 34: 17-24, ills.

[92] **Dobos, M. (2018)** [Croatian:] A contribution to the knowledge of the distribution of *Sedum cepaea* L. in Croatia. *Glasn. Hrvatsk. Prir. Drustva* 6(1): 20-26, ills., maps.

[93] **Dortort, F. (2018)** Commiphoras, Cucurbits, Adenias and more – Kenya 2017. *Cact. Succ. J. (Los Angeles)* 90(4): 238-257, ills. [URL](#)

[94] **Dráb, I. (2018)** [Czech:] *Thelocactus conothelos* (Regel & Klein) F. M. Knuth subsp. *argenteus* (Glass & R. A. Foster) Glass. *Cacta-*

ceae etc. 28(1): 37-39, ills. [Included for the illustrations.]

[95] **Dráb, I. (2018)** [Czech:] *Thelocactus multicephalus* Halda et Panarotto. *Cactaceae* etc. 28(3): 83-87, ills. [Included for the illustrations.]

[96] **Dráb, I. (2018)** [Czech:] *Thelocactus bicolor* subsp. *bolaensis* (Runge) Doweld from Cerro Bola, Coahuila, Mexico. *Cactaceae* etc. 28(4): 149-154, ills. [Included for the illustrations.]

[97] **Dwivedi, M. D., Barfield, S., Pandey, A. K. & Schaefer, H. (2018)** Phylogeny of *Zehneria* (*Cucurbitaceae*) with special focus on Asia. *Taxon* 67(1): 55-65, ills. [URL](#)

[98] **Efremova, N. (2018)** [Russian:] The genus *Rebutia*: "Time back"? *Kakt. Tolko* 2018(3): 1-23, ills.

[99] **Eggli, U. & Giorgetta, M. (2018)** A putative intercladal *Echinopsis* s.l. (*Cactaceae*) hybrid from Andean Chile. *Haseltonia* 24: 7-15, ills., map. [Review and partial Russian translation in *Kakt. Tolko* 2019(2): 8-13, ills., 2019.] [URL](#)

[100] **Eggli, U., Wyder, M. & Nyffeler, R. (2018)** Johannes Kentmann, Conrad Gessner und die Einführung des Feigenkaktus in Europa im 16. Jahrhundert. *Bauhinia* 27: 47-59, ills. [URL](#)

[101] **El Mokni, R. & Iamónico, D. (2018)** Three new records of *Senecioneae* (*Asteraceae*) for the allochthonous Tunisian flora: Occurrence and taxonomic notes. *Fl. Medit.* 28: 385-392, map, ills. [Includes data for *Kleinia mandraliscae*.] [URL](#)

[102] **Ellis, J. & Stephenson, R. (ed.) (2018)** *Dudleya saxosa* subsp. *collomiae* – *Dudleya* colony furthest from plate boundary? *Newslett. Sedum Soc.* 124: 29-31, ills., maps.

[103] **Emming, J. (2018)** *Cheiridopsis peculiaris* N. E. Br. – eine aussergewöhnliche Pflanze. *Avonia* 36(4): 208-211, ills. [Included for the illustrations.]

[104] **Ernst, M., Nothias, L.-F., Hooft, J. J. J. van der, Silva, R. R., Sastis-Lagoudakis, C. H., Grace, O. M., Martinez-Swatson, K., Hassemer, G., Funez, L. A., Simonsen, H. T., Medema, M. H., Staerk, D., Nilsson, N.,**

- Lovato, P., Dorrestein, P. C. & Rønsted, N. (2019)** Assessing specialized metabolite diversity in the cosmopolitan plant genus *Euphorbia* L. *Frontiers Pl. Sci.* 10: 1-15, map. [URL](#)
- [105] **Erst, A. S., Mitrenina, E. Y., Sukhorukov, A. P., Kuznetsov, A. A., Kuzmin, I., Luferov, A. N., Xiang, K. & Wang, W. (2018)** In: Marhold, K. & Kucera, J. (eds.): IAPT chromosome data 27. *Taxon* 67(5): 1042-1043, E6-E8, ill. [Includes data for *Kewa salsoloides*.] [URL](#)
- [106] **Esser, G. (2018)** Zur Verbreitung und Ökologie von *Discocactus heptacanthus* in Paraguay. *Kakt. and. Sukk.* 69(1): 21-28, ill.
- [107] **Evans, G. (2018)** How many Gymnos are there? *Cact. Explorer* 21: 21-22, ill. [Includes an alphabetical comparison table only available digitally.]
- [108] **Felix, D. & Bauer, H. (2018)** Ein Irrtum mit Folgen? *Echinocereus salm-dyckianus* F. Scheer. *Echinocereus scheeri* (J. Salm-Dyck) F. Scheer. *Echinocereus Online-J.* 6(1+2): 5-54, ill., map.
- [109] **Felix, D. & Bauer, H. (2018)** *Echinocereus* – Die cinerascens-Gruppe. *Echinocereus Online-J.* 6(3+4): 66-204, ill., key, map.
- [110] **Fernández, M., Kramm, E., Arakaki, M. & Ostolaza, C. (2018)** En búsqueda del *Epiphyllum floribundum* parte 1. *Quepo* 32: 81-83, ill.
- [111] **Fickenscher, K. (2018)** *Aylostera*. Eine wiedererstandene Gattung. *Echinopseen* 15(1): 1-22, ill.
- [112] **Figueiredo, E. & Smith, G. F. (2018)** Typification of the name *Bryophyllum prolifera* [sic!] Bowie ex Hook., basionym of *Kalanchoe prolifera* (Bowie ex Hook.) Raym.-Hamet (*Crassulaceae*). *Bradleya* 36: 22-24, ill. [URL](#)
- [113] **Figueiredo, E. & Smith, G. F. (2018)** Requests for binding decisions on the descriptive statements associated with *Euphorbia candelabrum* Welw. (1855) and *E. candelabrum* Welw. (1856) (*Euphorbiaceae*) *Taxon* 67(2): 457-458. [URL](#)
- [114] **Finot, V. L., Marticorena, C. & Marticorena, A. (2018)** Pollen grain morphology of *Nolana* L. (*Solanaceae: Nolanoideae: Nolaneae*) and related genera of southern South American *Solanaceae*. *Grana* 57(6): 415-455, map, ill. [URL](#)
- [115] **Fischel, M. (2018)** *Gasterhaworthia Battenkoel* – a new cultivar. *Alsterworthia Int.* 18(1): 3-5, ill.
- [116] **Fishbein, M., Livshultz, T., Straub, S. C. K., Simones, A. O., Boutte, J., McDonnell, A. & Foote, A. (2018)** Evolution on the backbone: *Apocynaceae* phylogenomics and new perspectives on growth forms, flowers, and fruits. *Amer. J. Bot.* 105(3): 495-513, ill. [URL](#)
- [117] **Frohning, H. & Lange, M. (2018)** *Echinocereus* 2018: Ein aktualisierter Synonym-Index. *Echinocereenfreund* 31(4): 94-147, ill.
- [118] **Gagliardi, K. B., Cordeiro, I. & Demarco, D. (2018)** Structure and development of flowers and inflorescences in *Peraceae* and *Euphorbiaceae* and the evolution of pseudanthia in Malpighiales. *PLoS One* 13(10): e0203954, 21 pp., ill. [URL](#)
- [119] **Gapon, V. (2018)** [Russian:] *Sulcorebutia heliosoides*. *Kakt. Klub* 2018(1): 23-26, ill.
- [120] **Gapon, V. (2018)** [Russian:] *Aylostera heliosa*. *Kakt. Klub* 2018(2): 4-10, ill., maps.
- [121] **Gapon, V. & Schelkunova, N. (2018)** [Russian:] *Lobivia jajoana*, an anemone among cacti. *Kakt. Klub* 2018(1): 4-14, ill., map.
- [122] **Gash, N. (2018)** *Adenias* in northern Madagascar. *CactusWorld* 36(3): 207-212, ill.
- [123] **Gerloff, N. (2018)** [Czech:] *Notocactus turecekianus* (R. Kiesling) Abraham var. *grandiflorus* var. nov. *Minimus* 49(1): 1-5, ill., map.
- [124] **Giuliani, C., Foggi, B. & Mariotti Lippi, M. (2018)** Floral morphology, micromorphology and palinology [sic!] of selected *Sedum s.l.* species (*Crassulaceae*). *Pl. Biosystems* 152(3): 333-348, ill. [URL](#)
- [125] **Givnish, T. J., Zuluaga, A., Spalink, D., Soto Gomez, M., Lam, V. K. Y., Saarela, J. M., Sassi, C., Iles, W. J. D., Lima de Sousa, D. J., Leebens-Mack, J., Pires, J. C., Zomlefer, W. B., Gandolfo, M. A., Davis, J. I., Stevenson, D. W., dePamphilis, C., Specht, C. D., Graham, S. W., Barrett, C. F. & Ané, C. (2018)** Monocot plastid phylogenomics, timeline, net rates of species diversification, the power of multi-gene analyses, and a functional

model for the origin of monocots. *Amer. J. Bot.* 105(11): 1888-1910. [URL](#)

[126] **Gómez-Rodríguez, V. M., Barba-González, R. & Rodríguez-Garay, B. (2018)** Spontaneous occurrence of micronuclei in developing microspores of *Agave angustifolia* Haw. cultivar "Limeño" and *A. tequilana* Weber cultivar "Azul" (Asparagales, *Asparagaceae*). *Caryologia* 71(1): 58-62. [URL](#)

[127] **Gonzaga, D. R., Moraes, L., Vasconcelos, L. V. F. & Da Cunha Reis, R. C. (2018)** Rediscovery of *Rhipsalis ewaldiana* Barthlott & N. P. Taylor (*Cactaceae*): Notes of morphology and conservation of an endemic and threatened species from the Brazilian Atlantic Forest. *Phytotaxa* 344(3): 291-294, maps, ills. [URL](#)

[128] **Green, K. (2018)** Im Mariental und seiner Umgebung. In and around the "Valley of Maria". *Avonia* 36(1): 4-13, viii-x, ills. [On the distribution of *Lithops vallis-mariae* etc.]

[129] **Greulich, M. (2018)** Ein Blick in die Blütenmorphologie der Gattung *Agave*. *Avonia* 36(2): 74-97, ills.

[130] **Greulich, M. (2018)** Unterwegs in der Sierra Madre Oriental auf der Suche nach *Agave parviflora* Torr. ssp. *densiflora* G. D. Starr & T. Van Devender. *Berliner Kakt.-Blätt.* 18: 30-36, ills.

[131] **Gruber, K. (2018)** Auf der Suche nach *Sedum smallii* in Georgia, USA. *Kakt. and Sukk.* 69(9): 273-276, ills. [Included for the illustrations.]

[132] **Gudiño, W., Barrera, E. de la & Márquez-Guzmán, J. (2018)** Estructura de los nectarios florales y el néctar en la familia *Cactaceae*. *Cact. Suc. Mex.* 63(4): 100-126, ills.

[133] **Guerrero, P. C., Majure, L. C., Cornejo-Romero, A. & Hernandez-Hernandez, T. (2018)** Phylogenetic relationships and evolutionary trends in the Cactus Family. *J. Heredity* 110(1): 4-21, map, ills. [E-published November 2018, print version Jan. 2019.] [URL](#)

[134] **Guerry, T. (2018)** *Tephrocactus alexanderi* around Fiambalá. *CactusWorld* 36(2): 113-120, ills., map. [Included for the illustrations depicting variability.]

[135] **Guiggi, A. & Mariotti, M. (2018)** W. C. Wercklé exsiccata collection (*Cactaceae*) in

Herbarium Mortolensis (HMGBH): Study and revision. *Haseltonia* 25: 2-4, ills. [URL](#)

[136] **Guiggi, A. & Mariotti, M. (2018)** Anmerkungen zu *Opuntia mortolensis* (*Cactaceae*), einem dem Botanischen Garten Hanbury gewidmeten Taxon. *Kakt. and Sukk.* 69(5): 155-157, ills.

[137] **Gutiérrez-Flores, C., Cota-Sánchez, J. H., León-de-la-Luz, J. L. & García-De León, F. J. (2017)** Disparity in floral traits and breeding system in the iconic columnar cactus *Pachycereus pringlei* (*Cactaceae*). *Flora (Jena)* 235: 18-28, ills. [Omitted previously.] [URL](#)

[138] **Gutiérrez-Flores, C., García-De León, F. J., León-de-la-Cruz, J. L. & Cota-Sánchez, J. H. (2016)** Microsatellite genetic diversity and mating systems in the columnar cactus *Pachycereus pringlei* (*Cactaceae*). *Perspect. Pl. Ecol. Evol. & Syst.* 22: 1-10. [Omitted previously.] [URL](#)

[139] **Gutiérrez-Flores, C., León-de la Luz, J. L., García-De León, F. J. & Cota-Sánchez, J. H. (2018)** Variation in chromosome number and breeding systems: Implications for diversification in *Pachycereus pringlei* (*Cactaceae*). *Comp. Cytogen.* 12(1): 61-82, ills., map. [URL](#)

[140] **Hadrava, J. (2018)** [Czech:] *Echinocereus relictus* B. Wellard. *Kaktusy (Brno)* 54(2): 45-47, ills. [German version published with the author name H. Hadrava in *Echinocereenfreund* 31(2): 43-50, 2018.]

[141] **Hadrava, J. (2018)** [Czech:] *Echinocereus viridiflorus* G. Engelmans subsp. *viridiflorus* – 170 years from the first description. *Kaktusy (Brno)* 54(4): 115-120, ills., map. [German version in *Echinocereenfreund* 31(3): 63-73, 2018, with slightly different illustrations and an additional map.]

[142] **Hammer, S. (2018)** Rund um *Circandra*. *Sukkulenten* 2018(2): 32-36, ills. [Included for the illustrations.]

[143] **Hanáček, P. & Bruyns, P. V. (2018)** A new species of *Ceropegia* Sect. *Rhytidocaulon* (*Apocynaceae*) from southern Yemen. *Haseltonia* 24: 51-54, ills., key. [Includes a key to the species of Sect. *Rhytidocaulon* from the Arabian Peninsula.] [URL](#)

[144] **Hancock, L. P., Obbens, F., Moore, A. J., Thiele, K., Vos, J. M. de, West, J., Holtum,**

- J. A. M. & Edwards, E. J. (2018)** Phylogeny, evolution, and biogeographic history of *Calandrinia* (Montiaceae). *Amer. J. Bot.* 105(6): 1021-1034, ills., maps. [URL](#)
- [145] **Hearn, D. J., Evans, M., Wolf, B., McGinty, M. & Wen, J. (2018)** Dispersal is associated with morphological innovation, but not increased diversification, in *Cyphostemma* (Vitaceae). *J. Syst. Evol.* 56(4): 340-359. [URL](#)
- [146] **Heijnsdijk, T. (2018)** *Aeonium nobile*. Succulenta (Netherlands) 97(1): 17-25, ills. (incl. cover). [Included for the illustrations.]
- [147] **Heijnsdijk, T. (2018)** *Mammillaria bombycina*: De Zijde-Kranscactus. Succulenta (Netherlands) 97(1): 3-11, ills.
- [148] **Heijnsdijk, T. (2018)** *Mammillaria bocasana*: De zachte Kranscactus. Succulenta (Netherlands) 97(2): 55-64, ills. (incl. cover).
- [149] **Heijnsdijk, T. (2018)** *Euphorbia caput-medusae*: Het Medusahoofd. Succulenta (Netherlands) 97(3): 103-113, ills.
- [150] **Heijnsdijk, T. (2018)** *Mammillaria vetula* subsp. *gracilis*: De broze Kranscactus. Succulenta (Netherlands) 97(4): 151-160, ills.
- [151] **Heijnsdijk, T. (2018)** *Epithelantha micromeris*: De Knoopcactus. Succulenta (Netherlands) 97(6): 255-266, ills.
- [152] **Hessen, H.-H. (2018)** Die Gattung *Brasiliparodia* F. Ritter Internoto 39(3): 55-61, ills.
- [153] **Hepp, J. & Dillon, M. O. (2018)** A new endemic species of *Nolana* (Solanaceae – *Nolaneae*) from near Iquique, Chile. *Arnaldoa* 25(2): 323-338, ills., map, key. [Includes a key to the 12 *Nolana* species from Tarapacá, Chile.] [URL](#)
- [154] **Hernández-Cruz, R., Barrón-Pacheco, F., Sánchez, D., Arias, S. & Vázquez-Santana, S. (2018)** Functional dioecy in *Echinocereus*: Ontogenetic patterns, programmed cell death, and evolutionary significance. *Int. J. Pl. Sci.* 179(4): 257-274, ills. [URL](#)
- [155] **Hernández-Pedrero, R. & Valverde, T. (2017)** The use of periodic matrices to model the population dynamics of the long-lived semelparous *Furcraea parmentieri* (Asparagaceae) in a temperate forest in central Mexico. *Populat. Ecol.* 59: 3-16. [URL](#)
- [156] **Hernández-Sandoval, L. & Rebman, J. P. (2018)** The genus *Nolina* (Asparagaceae) of the Baja California Peninsula, and the recognition of a new species combination. *Syst. Bot.* 43(3): 717-733, ills., maps, key. [URL](#)
- [157] **Herrera, F., Mitchell, J. D., Pell, S. K., Collinson, M. E., Daly, D. C. & Manchester, S. R. (2018)** Fruit morphology and anatomy of the Spondioid *Anacardiaceae*. *Bot. Rev. (Lancaster)* 84: 315-393, ills. [URL](#)
- [158] **Hildyard, B. (2018)** *Haworthia emelyae* var. *comptoniana*. *Haworthiad* 32(2): 52-55, ills., map. [Included for the illustrations depicting variability.]
- [159] **Hind, N. (2018)** *Cochemiaa pondii* subsp. *maritima*. *Curtis's Bot. Mag.* 35(1): 49-62, ill. [URL](#)
- [160] **Hinoshita, L. K. R., Araújo, A. O. & Goldenberg, R. (2018)** Os gêneros *Besleria*, *Codonanthe*, *Gloxinia*, *Napeanthus*, *Nematanthus* e *Seemannia* (Gesneriaceae) no estado do Paraná. *Rodriguésia* 69(2): 631-647, ills., key. [URL](#)
- [161] **Hochstätter, F. (2018)** *Sclerocactus parviflorus* Clover & Jotter subsp. *havasupaiensis* (Clover) Hochstätter. *Kaktusblüte* 2018: 23-25, ills.
- [162] **Hodgson, W. C., Salywon, A. M. & Doelle, W. H. (2018)** Hohokam lost crop found: A new *Agave* (Agavaceae) species only known from large-scale pre-Columbian agricultural fields in Southern Arizona. *Syst. Biol.* 43(3): 734-740, ills., key. [Includes a key to the paniculate *Agave* species of S-C Arizona.] [URL](#)
- [163] **Hofacker, A. (2018)** *Schlumbergera kautskyi* (Horobin & McMillian) N. P. Taylor – ein Update. *EPIG* 80: 19-25, ills., map.
- [164] **Hofacker, A. (2018)** *Schlumbergera microsphaerica* – eine ungewöhnliche *Schlumbergera*. *Kakt. and. Sukk.* 69(8): 241-245, ills.
- [165] **Hopp, A. (2018)** Gedanken zu *Aylostera leucanthema* (Rausch) Mosti & Papini *comb. nov.* *Echinopsen* 15(1): 42-48, ills, map.
- [166] **Houyelle, S. (2018)** On *Euphorbia denisiana* Guillaumin and related species of the *Euphorbia ankarensis* group. *Euphorbia World* 14(1): 6-13, ills., map.
- [167] **Hovland, M., Ericsson-Hedlöf, J. &**

- Nyhuus, T. (eds.) (2018)** *Hoya globulifera* Blume. *Hoya hanhiae* V. T. Pham & Aver. *Hoya ruthiae* Rodda. *Hoyatelegraf* 25(1): 6-19, ills.
- [168] **Huang, X., Wang, B., Xi, J., Zhang, Y., He, C., Zheng, J., Gao, J., Chen, H., Zhang, S., Wu, W., Liang, Y. & Yi, K. (2018)** Transcriptome comparison reveals distinct selection patterns in domesticated and wild *Agave* species, the important CAM plants. *Int. J. Genomics* 2018: 5716518, 12 pp. [URL](#)
- [169] **Hübener, H. & Figge, M. (2018)** Ein Besuch bei *Ferocactus gatesii* in der Bahía de los Ángeles. *Kakt. and. Sukk.* 69(4): 97-104, ills. [Included for the illustrations.]
- [170] **Hughes, M. & Peng, C.-I. (eds.) (2018)** *Asian Begonia: 300 species portraits*. Taipei (TW): KBCC Press & Edinburgh (GB): RBGE. [7] + x + 353 pp., ills. [URL](#)
- [171] **Hunt, D. R. (2018)** *Echinopsis* reviewed. *Cactaceae Syst. Init.* 39: 5-6.
- [172] **Hunt, D. R. (2018)** *Disocactus. Echinopsis. Eulychnia* (Version NCL2.1). *Cactaceae Syst. Init.* 39: 7-36.
- [173] **Hunt, D. R. (2018)** *Maihueniopsis. Cephalocereus. Pereskia* (Version NCL2.1). *Cactaceae Syst. Init.* 40: 20-31.
- [174] **Hunt, D. R. (2018)** *Maihueniopsis* – preliminary notes and illustrations. *Cactaceae Syst. Init.* 40: 5-19, ills.
- [175] **Hunt, D. R. (2018)** Mammillarias proposed since the New Cactus Lexicon. *Huitzilopochtli* March 2018: 113-117, ills.
- [176] **Hunt, D. R. (2018)** TLD (this looks different). *Huitzilopochtli* March 2018: 118-124, ills. [On *Mammillaria* classification.]
- [177] **Hurbath, F., Leal, B. S. S., Da Silva, O. L. M., Palma-Silva, C. & Cordeiro, I. (2018)** A new species and molecular phylogeny of Brazilian succulent *Euphorbia* Sect. *Brazilianes*. *Syst. Biodivers.* 16(7): 658-667, map, ills., key. [URL](#)
- [178] **Ito, T., Yu, C.-C. & Kokubugata, G. (2018)** Reconsiderations of distribution and taxonomic status of infraspecific taxa in *Sedum japonicum* (*Crassulaceae*) based on morphological and molecular data. *Bull. Nation. Mus. Nat. Sci., Ser. B* 44(2): 73-83, ills., maps.
- [179] **Jagtap, A., Maurya, S., Jadhav, P., Dighe, B., Kashikar, A., Punekar, S., Sardesai, M., Karmalkar, N. & Bhargava, S. (2018)** Phylogenetic and population studies of geophytic *Euphorbia* species (subgenus *Euphorbia*) from some deciduous forests and hill-top plateaus in India. *Webbia* 73(2): 269-279, ills. [URL](#)
- [180] **Jainta, H., Jainta, A. & Shipulwa, E. (2018)** Rediscovery of *Lithops opalina* Dinter. *Mesemb Study Group Bull.* 33(3): 60-63, ills.
- [181] **Jainta, H. & Jainta, A. (2018)** Rediscovery of Archer's *Lithops*. *Mesemb Study Group Bull.* 33(2): 38-39, ills.
- [182] **Jainta, H. & Jainta, A. (2018)** The old *Lithops ortendahlii* Dinter (*L. fulviceps* N. E. Brown) in habitat. *Mesemb Study Group Bull.* 33(4): 84, ills.
- [183] **Janeba, Z. (2018)** *Loxanthocereus hoxeyi* (G. J. Charles) Lodé, the miniature cereus from southern Peru. *Cact. Succ. J. (Los Angeles)* 90(4): 232-237, ills. [URL](#)
- [184] **Janeba, Z. (2018)** [Czech:] *Opuntia pin-kavae* Parfitt – a little known *Opuntia* of the southwest of the USA. *Kaktusy (Brno)* 54(1): 4-7, ills.
- [185] **Jezeek, J. (2018)** Notizen zu *Jovibarba hirta* var. *preissiana*. *Avonia* 36(4): 218-223, ills.
- [186] **Jezeek, J. (2018)** [Czech:] A houseleek with an unusual name – *Sempervivum klepa*. *Cactaceae etc.* 28(1): 19-22, ills. [Included for the illustrations.]
- [187] **Jezeek, J. (2018)** Two *Jovibarbas* at a single habitat near the town of Ostrov u Macochy, in the Czech Republic. *CactusWorld* 36(2): 109-112, ills., map.
- [188] **Jia, S., Yan, Z., Wang, Y., Wei, Y., Xie, Z. & Zhang, F. (2017)** Genetic diversity and relatedness among ornamental purslane (*Portulaca* L.) accessions unraveled by SRAP markers. *3 Biotech* 7(4): 241, 8 pp., ills. [URL](#)
- [189] **Joseph, L., Horwath, A., Kambale, S. S. & Yadav, S. R. (2018)** Two little known *Ceropegias* from Kerala, India. *Asklepios* 124: 26-28, ills. [On *C. beddomei* and *C. omissa*.]
- [190] **Kambale, S. S. & Janarthanam, M. K. (2018)** Lectotypifications in *Brachystelma* (*Apo-*

cynaceae: Ceropegieae). *Rheede* 28(1): 46-48. [URL](#)

[191] **Kapitany, A. (2018)** Pigface australiani. Australian pigfaces. *Piante Grasse* 38(2): 20-33, ills. [On Australian *Aizoaceae* species.]

[192] **Kaplan, Z., Danihelka, J., Chrtek Jr., J., Pranci, J., Ducháček, M., Ekrt, L., Kirschner, J., Brabec, J., Zázvorka, J., Trávníček, B., Drevojan, P., Sumberová, K., Kocián, P., Wild, J. & Petřík, P. (2018)** Distributions of vascular plants in the Czech Republic. Part 7. *Preslia* 90(4): 425-531, maps. [Includes *Sedum hispanicum*.] [URL](#)

[193] **Kattermann, F. (2018)** Molecular analysis of the genus *Eriosyce*. Part III. *Eriosyce* section *Neoporteria* subsection *Horridocactus*. *Cact. Succ. J. (Los Angeles)* 90(1): 46-58, ills., map. [URL](#)

[194] **Kattermann, F. (2018)** Molecular analysis of the genus *Eriosyce*. Part IV. *Eriosyce* section *Neoporteria* subsection *Neoporteria*. *Cact. Succ. J. (Los Angeles)* 90(2): 129-142, ills., map. [URL](#)

[195] **Kattermann, F. (2018)** Molecular study of the genus *Copiapoa* (*Cactaceae*). Part I. *Cact. Succ. J. (Los Angeles)* 90(4): 284-294, ills., maps. [URL](#)

[196] **Kelsch, H. (2018)** Die Wiederentdeckung von *Cleistocactus chrysocephalus*. *Kakt. and. Sukk.* 69(2): 49-54, ills.

[197] **Khan, G., Godoy, M. O., Franco, F. F., Peres, M. F., Taylor, N. P., Zappi, D. C., Machado, M. C. & Moraes, E. M. (2018)** Extreme population subdivision or cryptic speciation in the cactus *Pilosocereus jauruensis*? A taxonomic challenge posed by a naturally fragmented system. *Syst. Biodivers.* 16(2): 188-199. [Online publication Aug. 2017, print version 2018.] [URL](#)

[198] **Khan, G., Ribeiro, P. M., Bonatelli, I. A. S., Perez, M. F., Franco, F. F. & Moraes, E. M. (2018)** Weak population structure and no genetic erosion in *Pilosocereus aureispinus*: A microendemic and threatened cactus species from eastern Brazil. *PLoS One* 13(4): e195475, 17 pp., maps. [URL](#)

[199] **Khodei, Z., Wyk, B.-E. van & Wink, M. (2018)** Divergence time estimation of *Aloe* and allies (*Xanthorrhoeaceae*) based on three mar-

ker genes. *Diversity* 10: 60, 15 pp. [URL](#)

[200] **Kidyoo, M. (2018)** *Ceropegia foetidiflora* sp. nov. (*Asclepiadoideae, Apocynaceae*), a new species from northeastern Thailand. *Taiwania* 63(4): 327-332, ills., map, key. [Includes a key to *Ceropegia* species in NE Thailand. Partial Russian translation in *Kakt. Tolko* 2019(3): 14-18, ills., 2019.] [URL](#)

[201] **Klak, C., Hanáček, P. & Bruyns, P. V. (2018)** A circumscription of *Jacobsenia* (*Aizoaceae*): Re-instating *Drosanthemopsis*, with two new quartz-endemics of Namaqualand, South Africa and sinking *Knersia*. *S. African J. Bot.* 116: 67-81, ills., maps, keys. [URL](#)

[202] **Kleszewski, K.-P. (2018)** Dornenbildung bei *Astrophytum myriostigma* subsp. *tamaulipensis* [sic!]. *Kakt. and. Sukk.* 69(3): 89-92, ills.

[203] **Klimko, M., Nowinska, R., Jura-Morawiec, J., Wiland-Szymanska, J. & Wilkin, P. (2018)** Pollen morphology of selected species of the genera *Chrysodracon* and *Dracaena* (*Asparagaceae*, subfamily *Nolinoideae*) and its systematic implications. *Pl. Syst. Evol.* 304(3): 431-443, ills. [URL](#)

[204] **Klimko, M., Nowinska, R., Wilkin, P. & Wiland-Szymanska, J. (2018)** Comparative leaf micromorphology and anatomy of the dragon tree group of *Dracaena* (*Asparagaceae*) and their taxonomic implications. *Pl. Syst. Evol.* 304(8): 1041-1055, ills. [URL](#)

[205] **Klimko, M., Wysakowska, I.-R., Wilkin, P. & Wiland-Szymanska, J. (2017)** Micromorphology of stamens of some species of the genus *Sansevieria* Petagna (*Asparagaceae*). *Steciana* 21(2): 41-48, ills. [Omitted previously.] [URL](#)

[206] **Klinkhammer, H. J. (2018)** De ware identiteit van *Opuntia subterranea* Fries. *Succulentia* (Netherlands) 97(4): 180-186, ills.

[207] **Köhler, M., Font, F. & Souza-Chies, T. T. (2018)** First record of *Opuntia rioplatense* (*Cactaceae*) for the Brazilian Flora. *Phytotaxa* 379(4): 293-296, ills., key. [Includes a key to orange-flowered *Opuntia* species in S Brazil.] [URL](#)

[208] **Komiljon, T., Karimov, F., Azimov, I., Chang, K. & Jang, C. (2018)** Two new records for the flora of Uzbekistan from south-west

- Tian-Shan. *J. Asia-Pacific Biodivers.* 11(3): 449-451, map, ills. [Includes *Pseudosedum ferganense*.] [URL](#)
- [209] **Kramm, E. (2018)** *Strophocactus wittii* ssp. *ericii* [sic!] – ergänzende Beobachtungen zur Erstbeschreibung aus dem peruanischen Amazonasgebiet. *EPIG* 80: 5-18, ills., map.
- [210] **Kumar, R., Sharma, S. & Dwivedi, M. D. (2018)** *Ceropegia mizoramensis* and *C. murlensis* (*Asclepiadaceae*) – two new species from northeast India with phylogenetic and morphological evidence support. *Taiwania* 63(2): 163-170, ills., key. [Includes a key to *Ceropegia* species from NE India.] [URL](#)
- [211] **Lampo, F. (2018)** Enig geduld loont... *Ferocactus potsii* (eindelijk) in bloei (I) / (slot). *Tijdschr. Liefhebb. Cact. Vetpl. Kamerpl.* 31(2): 19-23, (3): 35-39, ills. [Included for the illustrations.]
- [212] **Lange, M. (2018)** Weitere Mitteilungen über *Echinocereus ortegae*. *Echinocereenfreund* 31(2): 51-55, ills.
- [213] **Larrea-Alcazar, D. M., Lopez, R. P., Gutierrez, J. P. & Garcia, E. (2018)** Reproductive biology of *Oreocereus fossulatus* (*Cactaceae*), a long-lived columnar cactus endemic to the tropical Andes. *Pl. Spec. Biol.* 33(3): 221-228. [URL](#)
- [214] **Larridon, I., Veltjen, E., Semmouri, I., Asselman, P., Guerrero, P. C., Duarte, M., Walter, H. E., Cisternas, M. A. & Samain, M.-S. (2018)** Investigating taxon boundaries and extinction risk in endemic Chilean cacti (*Copiapoa* subsection *Cinerei*, *Cactaceae*) using chloroplast DNA sequences, microsatellite data and 3D mapping. *Kew Bull.* 73(4): 55, 17 pp., ills., maps. [URL](#)
- [215] **Larridon, I., Walter, H. E., Rosas, M., Vandomme, V. & Guerrero, P. C. (2018)** Evolutionary trends in the columnar cactus genus *Eulychnia* (*Cactaceae*) based on molecular phylogenetics, morphology, distribution, and habitat. *Syst. Biodivers.* 16(7): 643-657, ills., map, key. [URL](#)
- [216] **Las Casas, G., Distefano, G., Caruso, M., Nicolosi, E., Gentile, A. & La Malfa, S. (2018)** Relationship among cultivated *Opuntia ficus-indica* genotypes and related species assessed by cytoplasmic markers. *Genet. Resour. Crop Evol.* 65: 759-773. [URL](#)
- [217] **Las Peñas, M. L. (2018)** *Cactaceae*. In: Marhold, K. & Kucera, J. (eds.): IAPT chromosome data 28. *Taxon* 67(6): 1239-1240, E21-E25, ills. [URL](#)
- [218] **Lechner, P. (2018)** *Sulcorebutia viridis* und Nachbarn (2). *Echinopseen* 15(1): 75-83, ills., maps. [Continued from 14(2), 2017. Russian version in *Kakt. Klub* 2018(2): 25-29, ills., 2018.]
- [219] **Lehmann, U. (2018)** Zur Frage: "Was ist eigentlich *Mammillaria estanzuelensis*"? *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 42 (4): 210-213, ills.
- [220] **Li, Y.-C., Zhong, D.-L., Rao, G.-Y., Wen, J., Ren, Y. & Zhang, J.-Q. (2018)** Gone with the trees: Phylogeography of *Rhodiola* Sect. *Trifida* (*Crassulaceae*) reveals multiple refugia on the Qinghai-Tibetan Plateau. *Molec. Phylogen. Evol.* 121: 110-120, maps. [URL](#)
- [221] **Liede-Schumann, S. & Meve, U. (2018)** Proposal to conserve the name *Hoodia* against *Monothylaceum* (*Apocynaceae*). *Taxon* 67(2): 446. [URL](#)
- [222] **Liede-Schumann, S. & Newton, L. E. (2018)** Notes on the *Delosperma*-clade (*Aizoaceae*). *Haseltonia* 25: 100-114, ills., map. [URL](#)
- [223] **Lim, M. S. & Choi, S. H. (2018)** Estimation of phylogeny of nineteen *Sedoideae* species cultivated in Korea inferred from chloroplast DNA studies. *Hort. J.* 87(1): 132-139. [Online publication July 2017, print version 2018.] [URL](#)
- [224] **Lindner, U. (2018)** Parodien zwischen San José und Andaguala / Andalhuala. *Mitteilungsbl. Inter-Parodia-Kette* 34: 4-9, ills.
- [225] **Lindsay, D. L., Swift, J. F., Lance, R. F. & Edwards, C. E. (2018)** A comparison of patterns of genetic structure in two co-occurring *Agave* species (*Asparagaceae*) that differ in the patchiness of their geographical distributions and cultivation histories. *Bot. J. Linn. Soc.* 186 (3): 361-373, maps. [URL](#)
- [226] **Liu, X., Li, Y., Yang, H. & Zhou, B. (2018)** Chloroplast genome of the folk medicine and vegetable plant *Talinum paniculatum* (Jacq.) Gaertn.: Gene organization, comparative and phylogenetic analysis. *Molecules* 23(4): 857,

18 pp. [URL](#)

[227] **Liu, X., Yang, H., Zhao, J., Zhou, B., Li, T. & Xiang, B. (2018)** The complete chloroplast genome sequence of the folk medicinal and vegetable plant purslane (*Portulaca oleracea* L.). *J. Hort. Sci. Biotechnol.* 93(4): 356-365. [URL](#)

[228] **Lobine, D., Cummins, I., Govinden-Soulange, J., Ranghoo-Sanmukhiya, M., Lindsey, K., Chazot, P. L., Ambler, C. A., Grelscheid, S., Sharples, G., Lall, N., Lambrechts, I. A., Lavergne, C. & Howes, M.-J. R. (2018)** Medicinal Mascarene *Aloes*: An audit of their phytotherapeutic potential. *Fitoterapia* 124: 120-126. [URL](#)

[229] **Lodé, J. (2018)** *Cleistocactus* genus puzzle in Perú: A short revision. *Int. Cact.-Advent.* 30(2): 48-60, ills., map.

[230] **Lodé, J. (2018)** Cactus News: A real intriguing discovery. *Int. Cact.-Advent.* 30(2): 64-65, ills. [On *Thelocactus tepelmemensis* and its possible hybrid nature.]

[231] **Lodé, J. (2018)** The story behind the story of a discovery: A good lesson of protection to learn for CITES. *Int. Cact.-Advent.* 30(2): 8-16, ills. [Includes additional data and illustrations of *Chamaecereus luisramirezii*.]

[232] **López-Palacios, C., Reyes-Agüero, J. A., Peña-Valdivia, C. B. & Aguirre-Rivera, J. R. (2019)** Physical characteristics of fruits and seeds of *Opuntia* sp. as evidence of changes through domestication in the Southern Mexican Plateau. *Genet. Resources Crop Evol.* 66: 349-362. [URL](#)

[233] **Lowry, M. (2018)** What is *Lobivia krahnjuckeri*? *Cact. Explorer* 22: 26-32, ills.

[234] **Lu, L., Cox, C. J., Mathews, S., Wang, W., Wen, J. & Chen, Z. (2018)** Optimal data partitioning, multispecies coalescent and Bayesian concordance analyses resolve early divergences of the Grape Family (*Vitaceae*). *Cladistics* 34(1): 57-77. [URL](#)

[235] **Lukes, V. & Lukesová, M. (2018)** [Russian:] *Thelocactus bicolor* in Mexico. Part 2: Coahuila. *Kakt. Klub* 2018(1): 40-45, ills., map. [Included for the illustrations showing variability.]

[236] **Lukes, V. & Lukesová, M. (2018)** [Russian:] *Thelocactus bicolor* in Mexico. Part 3: Nuevo León, Tamaulipas and others. *Kakt. Klub* 2018(2): 39-44, ills., map. [Included for the illustrations showing variability.]

[237] **Luna Ortiz, P. A. (2018)** Diversidad genética de *Yucca capensis* (*Asparagaceae*), planta endémica de la Sierra de la Laguna. Ensenada (MX): Centro de Investigación Científica y de Educación Superior de Ensenada, Baja California; M.Sc thesis.

[238] **Lutz, E. (2018)** Feldliste Eberhard Lutz 1986 bis 2010. Berichtigungen, Ergänzungen und Erweiterungen bis 2017. *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 42(2): 81-82.

[239] **Majure, L. C. & Clase, T. (2018)** Uso del nombre *Consolea microcarpa* versus *Consolea picardae* (*Cactaceae*), para una especie endémica de la Española. *J. Bot. Res. Inst. Texas* 12(1): 75-80, ills., map, key. [URL](#)

[240] **Mansfeld, P. A. (2018)** *Sansevieria dooneri* N. E. Br. + *Sansevieria parva* N. E. Br. – zwei Arten im Tal des Lebens. *Sansevieria Online* 6(2): 5-12, ills.

[241] **Mansfeld, P. A. (2018)** Drie namen voor één *Sansevieria*? *Succulenta* (Netherlands) 97 (3): 122-127, ills. [On *Sansevieria patens*, *S. sordida* and *S. varians*.]

[242] **Masters, L. E. (2018)** A systematic review of Marama (*Tylosema esculentum* and *Tylosema fassoglense*). *S. African J. Bot.* 115: 297 [abstract only]. [URL](#)

[243] **Matuszewski, G. (2018)** The problematic *Horridocactus kunzei*. *Cact. Explorer* 22: 17-23, ills.

[244] **Mauseth, J. D. (2018)** The evolution of broad succulent stems in cacti. *CactusWorld* 36 (2): 89-99, ills.

[245] **Mauseth, J. D. (2018)** Many cacti have clusters of terminal tracheids on their cortical bundles. *Haseltonia* 24: 64-74, ills. [URL](#)

[246] **McCoy, T. (2018)** Die taxonomische Wiedererrichtung von *Aloe termetophila* (De Wild. 1921) als gültiges Taxon mit einer erweiterten Beschreibung dieser zentralafrikanischen Art. The taxonomic reinstatement of *Aloe termetophila* De Wild. (1921) as a valid taxon with an amplified description of this Central African species. *Avonia* 36(3): 196-202, ills. (incl.

back-cover).

[247] **Meer, M. H. J. van der (2018)** 16 new nothogenera and 15 new combinations in *Hylocereae* (Cactaceae). *Cact. Phantast.* 1: 1-16. [Publication date in dispute, simply given as 2018 on the cover, but as Jan. 2019 in the associated metadata of the pdf document.] [URL](#)

[248] **Meier, E. (2018)** *Disocactus salvadorensis* Cerén, Menjívar & S. Arias – ein interessanter Neufund aus El Salvador. *Kaktusblüte* 2018: 69-73, ill.

[249] **Mera, J. (2018)** *Echeveria gibbiflora* DC. *Avonia* 36(4): 214-217, lxi, ill. [Included for the illustrations.]

[250] **Meregalli, M. & Papsch, W. (2018)** *Gymnocalycium leptanthum* and *Gymnocalycium parvulum*. *Schütziana* 9(2): 17-25, ill., map. [Published in parallel English, German, Russian and Japanese editions.]

[251] **Merklinger, F. F. (2018)** Die Gattung *Eulychnia* in Chile. *Kakt. and. Sukk.* 69(11): 321-325, ill., map.

[252] **Merklinger, F. F. (2018)** Die südlichen *Eulychnia*-Arten in Chile. *Kakt. and. Sukk.* 69(12): 371-378, ill.

[253] **Meyrán García, J. (2017)** Nota sobre *Pachyphytum brevifolium*. *Cact. Suc. Mex.* 62(1): 23-24, ill.

[254] **Milt, I. (2018)** [Czech:] *Gymnocalycium griseopallidum* versus *G. pseudomalacocarpus*. *Cactaceae etc.* 28(2): 76-80, ill. [Paper repeated with different layout in *l.c.* (3): 107-113, 2018.]

[255] **Miyata, K., Ikeda, H. & Ohba, H. (2018)** Lectotypification of *Kalanchoe humifera* (Crassulaceae). *Novon* 26(2): 214-217, ill. [URL](#)

[256] **Möller, M. (2018)** Nuclear DNA C-values are correlated with pollen size at tetraploid but not diploid level and linked to phylogenetic descent in *Streptocarpus* (Gesneriaceae). *S. African J. Bot.* 114: 323-344. [URL](#)

[257] **Molero, J., Romerías, M. M., Duarte, M. C., Santos-Guerra, A., Jestrow, B. & Francisco-Ortega, J. (2018)** *Euphorbia tuckeyana*. *Curtis's Bot. Mag.* 35(2): 166-189, t. 880, ill., map. [URL](#)

[258] **Molina, P. M., Vignoni, A. P., Kiesling, R. & Peralta, I. E. (2018)** Ein Element der blühenden Atacama-Wüste: *Cistanthe longiscapa*. *Kakt. and. Sukk.* 69(9): 257-262, ill. [Included for the illustrations.]

[259] **Molteno, S. (2018)** Prince Albert's *Astroloba*. *Haworthiad* 32(1): 3-18, ill., map.

[260] **Molteno, S. (2018)** The "buckle" in a belt of *Astroloba*. *Haworthiad* 32(2): 31-42, ill., map. [On *Astroloba herrei*, *A. spiralis* and *A. tenax* relationships.]

[261] **Molteno, S. (2018)** A bit of a digression on leaf spirals. *Haworthiad* 32(2): 48-51, ill. [On phyllotaxis in Alooid genera.]

[262] **Molteno, S. (2018)** *Aloe* leaves that share a sheath: An adjustment to the description of *Aloe brevifolia* 'Paul Green'. *Haworthiad* 32(3): 72-74, ill.

[263] **Molteno, S. & Smith, G. F. (2018)** The identity and typification of *Astroloba pentagona* (Haw.) Uitewaal (Asphodelaceae: Aloioideae), the type species of the genus *Astroloba* Uitewaal. *Haseltonia* 25: 57-71, ill., map. [URL](#)

[264] **Molteno, S., Smith, G. F. & Figueiredo, E. (2018)** A synopsis of *Astroloba* Uitewaal (Asphodelaceae: Aloioideae): Species, types, and infrageneric classification. *Haseltonia* 25: 72-83, ill., maps, key. [URL](#)

[265] **Moonlight, P. W., Ardi, W. H., Padilla, L. A., Chung, K.-F., Fuller, D., Girmansyah, D., Hollands, R., Jara-Muñoz, A., Kiew, R., Leong, W.-C., Liu, Y., Mahardika, A., Marasinghe, L. D. K., O'Connor, M., Peng, C.-I., Pérez, A. J., Phuttai, T., Pullan, M., Rajbhandary, S., Reynel, C., Rubite, R. R., Sang, J., Scherberich, D., Shui, Y.-M., Tebbitt, M. C., Thomas, D. C., Wilson, H. P., Zaini, N. H. & Hughes, M. (2018)** Dividing and conquering the fastest-growing genus: Towards a natural sectional classification of the mega-diverse genus *Begonia* (Begoniaceae). *Taxon* 67(2): 267-323, ill. [URL](#)

[266] **Moore, A. J., Vos, J. M. de, Hancock, L. P., Goolsby, E. & Edwards, E. J. (2018)** Targeted enrichment of large gene families for phylogenetic inference: Phylogeny and molecular evolution of photosynthesis genes in the Portullugo Clade (Caryophyllales). *Syst. Biol.* 67(3): 367-383, ill. [URL](#)

- [267] **Moore, T. E., Schlichting, C. D., Aiello-Lammens, M. E., Mocko, K. & Jones, C. S. (2018)** Divergent trait and environment relationships among parallel radiations in *Pelargonium* (*Geraniaceae*): A role for evolutionary legacy? *New Phytol.* 219(2): 794-807, map. [URL](#)
- [268] **Moreira-Muñoz, A. & Muñoz-Schick, M. (2018)** Nueva familia de angiospermas para el registro de la flora nativa de Chile: La familia *Basellaceae*. *Gayana, Bot.* 75(2): 639-642, map, ills. [URL](#)
- [269] **Mottram, R. & Bischofberger, M. (2018)** An epitype for *Echeveria skinneri*. *Crasulacea* 6: 4-8, ills.
- [270] **Mühl, A. (2018)** Erfolgreiche Selbstbestäubung einer *Pereskia sacharosa*. *Kakt. and. Sukk.* 69(4): 113-116, ills. [Included for the illustrations, incl. fruit. Partial Russian translation in *Kakt. Tolko* 2018(3): 31-33, ills., 2018.]
- [271] **Nanyeni, L. & Nzuma, T. M. (2018)** New record of *Monsonia herrei* for Namibia. *Bothalia* 48(1): 1-3, ills., map. [URL](#)
- [272] **Neethu, K. B. & Thoppil, J. E. (2018)** Cytogenetic evaluation of two species of *Cynanchum* L. (*Apocynaceae*) from South India: A possible clue to evolution. *Phytotaxa* 357(3): 198-206. [URL](#)
- [273] **Neirinck, K. (2018)** In the glasshouse. *Arrojadoa eriocaulis*. *Cact. Explorer* 22: 8-9, ills. [Included for the illustrations.]
- [274] **Neirinck, K. (2018)** In the glasshouse [*Cipocereus*]. *Cact. Explorer* 23: 8-13, ills.
- [275] **Neirinck, K. J. (2018)** Wit bloeiende *Arthroceus rondonianus*. *Tijdschr. Liefhebb. Cact. Vetpl. Kamerpl.* 31(2): 24-26, ills.
- [276] **Nel, P. (2018)** Zwei weitere interessante *Aloe*-Arten aus dem südlichen Afrika. *Avonia* 36(4): 212-213, Ixii, ills. [On *Aloe laxissima* and *A. transvaalensis*.]
- [277] **Newton, L. E. (2018)** Conservation of Kenyan succulent plants. Nairobi (KE): Succulenta East Africa / Nature Kenya (East African Natural History Society). [2] + 38 pp., ills. [Includes a checklist of Kenyan succulent and caudiciform plants.]
- [278] **Newton, L. E. (2018)** *Orbea subterranea* revisited. *Asklepios* 124: 18-19, ills.
- [279] **Newton, L. E. (2018)** Correction of some epithets in *Sansevieria*. *Bradleya* 36: 218-219. [URL](#)
- [280] **Niesel, C. (2018)** A journey to the Mexican genus *Lophophora*. *CactusWorld* 36(1): 5-14, ills.
- [281] **Nitzschke, S. & Bechara, C. (2018)** Searching for / Auf der Suche nach *Navajoa peeblesiana* Croizat ssp. [sic!] *menzelii* (Hochstätter) Hochstätter. *Xerophilica* 7(1): 87-96, ills.
- [282] **Nobis, M., Domina, G., Meco, M., Mullaj, A., Bazan, G., Ebel, A. L., Király, G., Ernst, A., Nowak, A., Sukhorukov, A. P., Pospelova, E. B., Pospelov, I. N., Vasjukov, V. M., Piwowarczyk, R., Seregin, A. P., Király, A., Kushunina, M., Liu, B., Molnár, A. V., Olonova, M., Óvári, M., Paszko, B., You-Sheng, C., Verkhözina, A. V., Zyкова, E. Y., Klichowska, E., Nobis, A., Wróbel, A., Aydin, Z. U., Dönmez, A. A., Garakhani, P., Koopman, J., Korolyuk, A., Oklejewicz, K., Qasimova, T., Wang, W., Wicław, H., Wolanin, M. & Xiang, K. (2018)** Contribution to the flora of Asian and European countries: New national and regional vascular plant records, 7. *Bot. Letters* 165(2): 200-222. [Includes *Sedum rubens* as new for Poland, and several succulents as neophytes for Albania.] [URL](#)
- [283] **Nyhuus, T. & Ericsson-Hedlöf, J. (eds.) (2018)** *Hoya diversifolia* Blume subsp. *diversifolia*. *Hoya glabra* Schltr. *Hoya isabelchanae* Rodda. *Hoyatelegraf* 25(2): 6-19, ills.
- [284] **Nyhuus, T. & Ericsson-Hedlöf, J. (eds.) (2018)** *Hoya cutis-porcelana* W. Suarez & al. *Hoya multiflora* Blume. *Hoya verticillata* (Vahl) G. Don var. *verticillata*. *Hoyatelegraf* 25(3): 8-23, ills.
- [285] **Nyhuus, T. & Ericsson-Hedlöf, J. (eds.) (2018)** *Hoya benchaii* Gavrus & al. *Hoya vitellina* Blume. *Hoya waymaniae* Kloppenb. *Hoyatelegraf* 25(4): 6-18, ills.
- [286] **Obbens, F. & Barrett, M. D. (2018)** Reinstatement and lectotypification of *Calandrinia tepperiana* (*Montiaceae*). *Nuytsia* 29: 21-24. [URL](#)
- [287] **Ocampo, G. & Mair-Sánchez, L. (2018)** Diversification of inflorescence types in *Portulaca* (*Portulacaceae*) and its systematic implica-

tions. *Phytotaxa* 358(2): 189-197. [URL](#)

[288] **Oddo, E., Veca, R., Morici, G. & Sajeva, M. (2018)** Water recycling in leaves of *Lithops* (*Aizoaceae*). *Pl. Biosystems* 152(1): 161-165, ills. [Published online Dec. 2016, print version 2018.] [URL](#)

[289] **Ogura, A. S., Fernandes-Lopes, J. & Melo-De-Pinna, G. F. A. (2018)** A new anatomical interpretation for abaxialization in unifacial leaf blade of stone plants (*Aizoaceae*, Caryophyllales). *Brazil. J. Bot.* 41: 751-764, ills. [URL](#)

[290] **Olaranont, Y., Stauffer, F. W., Traiperm, P. & Staples, G. W. (2018)** Investigation of the black dots on leaves of *Stictocardia* species (*Convolvulaceae*) using anatomical and histochemical analyses. *Flora* 249: 133-142, ills. [URL](#)

[291] **Olsthoorn, G. (2018)** *Pilosocereus hermsii* – Verbreitung, Ökologie und Taxonomie. *Kakt. and Sukk.* 69(10): 289-296, ills., map.

[292] **Ondrovic, S. (2018)** *Yuccas* in Niederkalifornien. *Kakt. and Sukk.* 69(2): 33-39, ills. [Included for the illustrations.]

[293] **Ostolaza, C. (2018)** Los cactus de Cajamarca. *Quepo* 32: 6-22, ills.

[294] **Padilla, N. (2018)** Especies o subespecies del género *Mauviana*? *Quepo* 32: 23-32, ills.

[295] **Papsch, W. (2018)** To whom is the authorship of *Echinocactus ourselianus* to be attributed? *Schütziana* 9(1): 3-17, ills. [Published in parallel English, German, Russian and Japanese editions.]

[296] **Papsch, W. (2018)** About the nomenclatural status of *Gymnocalycium carminanthum*. *Schütziana* 9(3): 6-13, ills. [Published in parallel English, German, Russian and Japanese editions.]

[297] **Parker, R. (2018)** Agaves of Arizona. Part II. *Cact. Succ. J. (Los Angeles)* 90(1): 20-28, ills., map. [URL](#)

[298] **Paton, A., Mwanyambo, M. & Culham, A. (2018)** Phylogenetic study of *Plectranthus*, *Coleus* and allies (*Lamiaceae*): Taxonomy, distribution and medicinal use. *Bot. J. Linn. Soc.* 188(4): 355-376. [URL](#)

[299] **Pellegrini, M. O. O. (2018)** Wandering

throughout South America: Taxonomic revision of *Tradescantia* subg. *Austrotradescantia* (D. R. Hunt) M. Pell. (*Commelinaceae*). *PhytoKeys* 104: 1-97, maps, ills., key. [First published June 2018, subsequently replaced with a corrected version in July 2018 to resolve copyright issues related to some illustrations (cf. publisher's web page for the paper).] [URL](#)

[300] **Peniche-Pavía, H. A., Vera-Ku, M. & Peraza-Sánchez, S. R. (2018)** Phytochemical and pharmacological studies on species of *Dorstenia* genus (2000-2016). *J. Mex. Chem. Soc.* 62(3): 9-23. [URL](#)

[301] **Perrotta, V. G. & Arambarri, A. M. (2018)** Cladodes anatomy of *Opuntia* (*Cactaceae*) from the province of Buenos Aires (Argentina). *Bol. Soc. Argent. Bot.* 53(3): 345-357, maps, ills. [URL](#)

[302] **Phaliso, N. (2018)** *Delosperma* of Mpumalanga: A whole new world. *Veld Fl.* (1975+) 104(1): 23-25, ills.

[303] **Pilbeam, J. (2018)** *Rebutia*, *Sulcorebutia* & *Weingartia* – unravelled. *Orpington* (GB): Published by the author. 129 pp., ills.

[304] **Pino, G. & Segovia, G. V. (2018)** The Echeverias of the Chillón River Valley, Lima, Peru, including three new taxa. *Cact. Succ. J. (Los Angeles)* 90(3): 168-185, ills. [URL](#)

[305] **Polidori, J.-L., Arnoux, J.-C. & Bellone, G. T. (2018)** *Sempervivum adenotrichum* Burnat ou Joubarbe à poils glanduleux, taxon méconnu des Alpes Occidentales, observé dans les Alpes Maritimes. *Riviera Sci.* 102: 3-32, ills., map.

[306] **Polling, B. (2018)** Über einige Stapelien in der Provinz Limpopo, Südafrika. Teil 1: Huernias. On some Stapeliads from the Limpopo Province in South Africa. Part 1: Huernias. *Avonia* 36(3): 178-183, xlv, ills. [Included for the illustrations.]

[307] **Ponomareva, N. (2018)** [Russian:] Diversity of Wigginsias in nature. *Kakt. Klub* 2018 (1): 33-39, ills. [Included for the illustrations showing variability.]

[308] **Powell, R. F., Magee, A. R. & Boatwright, J. S. (2018)** Decoding ice plants: Challenges associated with barcoding and phylogenetics in the diverse succulent family *Aizoaceae*. *Genome* 61(11): 815-821. [URL](#)

- [309] **Prauser, W. (2018)** Die Gattung *Acanthocephala* Backeberg. Internoto 39(1): 4-11, ills.
- [310] **Probatova, N. S., Kazanovsky, S. G. & Chernyagina, O. A. (2018)** In: Marhold, K. & Kucera, J. (eds.): IAPT chromosome data 27. Taxon 67(5): 1045-1046, E14-E16. [Includes data for *Portulaca oleracea*.] [URL](#)
- [311] **Quipildor, V. B., Kitzberger, T., Ortega-Baes, P., Quiroga, M. P. & Premoli, A. C. (2018)** Regional climate oscillations and local topography shape genetic polymorphisms and distribution of the giant columnar cactus *Echinopsis terscheckii* in drylands of the tropical Andes. J. Biogeogr. 45(1): 116-126, maps. [Digitally published 10. November 2017, print version 2018.] [URL](#)
- [312] **Quipuscoá Silvestre, V. & Dillon, M. O. (2018)** Four new endemic species of *Nolana* (*Solanaceae* – *Nolaneae*) from Arequipa, Peru. Arnaldoa 25(2): 295-322, ills., map, key. [Includes a list of accepted species and a key to taxa recorded from Arequipa.] [URL](#)
- [313] **Quiroz Soberanes, J. H., Navarro Carbajal, M. C., Eliosa León, H. R. & González Machorro, E. M. (2018)** Aspectos demográficos y reproductivos de *Echinocactus platyacanthus* (*Cactaceae*) en Tecali de Herrera, Puebla. Cact. Suc. Mex. 63(3): 79-91, ills.
- [314] **Radh, S. S. & Nampy, S. (2018)** *Peperomia ekakesara*: A new species of *Piperaceae* from Mathikettan Shola National Park, Kerala, India. Phytotaxa 364(3): 283-288, ills., key. [Includes a key to the *Peperomia* species of S India.] [URL](#)
- [315] **Raus, T. (2018)** *Crassulaceae*. In: Raab-Straube, E. von & Raus, T. (eds.): Euro+Med-Checklist Notulae, 9. Willdenowia 48(2): 204-205. [URL](#)
- [316] **Rayamajhi, N. & Sharma, J. (2018)** Genetic diversity and structure of a rare endemic cactus and an assessment of its genetic relationship with a more common congener. Genetica 146(3): 329-340, map. [On *Sclerocactus breviamatus*.] [URL](#)
- [317] **Rebmann, K. (2018)** Henri Guillaume Galeotti: Pflanzensammler und "Autor" – eine Spurensuche. Mitteilungsbl. Arbeitskreises Mammillarienfr. 42(1): 40-63, ills., map.
- [318] **Rebmann, K. (2018)** *Mammillaria galeottii* Scheidweiler. Wo hat Henri Guillaume Galeotti die Pflanze gesammelt? Gedanken zur Ortsbestimmung bei historischen Kakteenbeschreibungen. Mitteilungsbl. Arbeitskreises Mammillarienfr. 42(2): 92-105, ills., maps.
- [319] **Rebmann, K. (2018)** Henri Guillaume Galeotti und "seine Mammillarien". Mitteilungsbl. Arbeitskreises Mammillarienfr. 42(3): 163-180, ills.
- [320] **Rebmann, K. (2018)** Henri Guillaume Galeotti als Wissenschaftler: Versuch einer Bewertung. Mitteilungsbl. Arbeitskreises Mammillarienfr. 42(4): 214-237, ills., map.
- [321] **Rebmann, N. (2018)** Les espèces d'*Aloe* arborescentes d'Afrique du Sud et de Namibia. 2ème partie. Cact. Succ. 10(1): 8-13, ills. [Continued from l.c. 9(2), 2017.]
- [322] **Repka, R. (2018)** [Czech:] *Gymnocalycium campestre*. Facts and notes on a newly described species. Gymnofil 46(1): 7-16, ills.
- [323] **Reyes-Rivera, J., Soto-Hernández, M., Canché-Escamilla, G. & Terrazas, T. (2018)** Structural characterization of lignin in four cacti wood: Implications of lignification in the growth form and succulence. Frontiers Pl. Sci. 9: 1518, 16 pp., ills. [URL](#)
- [324] **Rischer, W. (2018)** *Echinocereus ortegae* in seiner Blütenvariabilität. Echinocereenfreund 31(1): 25-28, ills.
- [325] **Rivera-Lugo, M., García-Mendoza, A., Simpson, J., Solano, E. & Gil-Vega, K. (2018)** Taxonomic implications of the morphological and genetic variation of cultivated and domesticated populations of the *Agave angustifolia* complex (*Agvoideae*, *Asparagaceae*) in Oaxaca, Mexico. Pl. Syst. Evol. 304(8): 969-979. [URL](#)
- [326] **Roberts, E. (2018)** [Hungarian:] *Turbiniacarpus panarottoi* RH 151. Debreceni Pozsgás-Tár 21(2): 4-8, ills. [Included for the illustrations.]
- [327] **Roberts, E. (2018)** [Hungarian:] *Neochilenia kraussii*, a plant that is difficult to cultivate. Debreceni Pozsgás-Tár 21(4): 36-41, ills. [Included for the illustrations.]
- [328] **Roberts, E. (2018)** *Mammillaria melaleuca* Karwinski ex Salm-Dyck. Mitteilungsbl. Arbeitskreises Mammillarienfr. 42(1): 2-9, ills.

[Included for the illustrations. A similar paper was published in *Xerophilia* 7(1): 109-114, ills., 2018.]

[329] **Roberts, E. (2018)** *Mammillaria boolii* Lindsay. *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 42(2): 66-73, ills. [Included for the illustrations.]

[330] **Roberts, E. (2018)** *Mammillaria alamen-sis* (Craig). *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 42(3): 186-191, ills. [Included for the illustrations.]

[331] **Roberts, E. (2018)** *Mammillaria egregia* SB 30. *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 42(4): 202-208, ills. [Included for the illustrations.]

[332] **Rodda, M. & Rahayu, S. (2018)** A revision of the *Hoya uncinata* complex (*Apocynaceae, Asclepiadoideae*), with description of a new species. *Phytotaxa* 383(3): 252-258, ills., key. [URL](#)

[333] **Rodgerson, C. (2018)** *Conophytum bilobum*, a divisive species. *Xerophilia* 7(1): 13-26, ills.

[334] **Romero-Méndez, U., Becerra-López, J. L., García-De la Pena, C., Martínez-Ríos, J. J., Czaja, G., Muro, G. & Sánchez, J. (2018)** Hydrochory in *Astrophytum coahuilense*: Experiment to identify seminal structures that provide its buoyancy. *Polibotánica* 46: 149-157. [URL](#)

[335] **Rosa-Tilapa, A. de la, Vázquez-Sánchez, M. & Terrazas, T. (2018)** Stem anatomy of *Turbincarpus s.l.* (*Cactaceae, Cactaceae*) and its contribution to systematics. *Pl. Biosystems* 153(4): 600-609, ills. [URL](#)

[336] **Ruchisansakun, S., Suksathan, P., Niet, T. van der, Smets, E. F., Swa-Lwin & Janssens, S. B. (2018)** *Balsaminaceae* of Myanmar. *Blumea* 63(3): 199-267, maps, ills., key. [URL](#)

[337] **Rudall, P. J., Julier, A. C. M. & Kidner, C. A. (2018)** Ultrastructure and development of non-contiguous stomatal clusters and heliocytic patterning in *Begonia*. *Ann. Bot. (Oxford)* 122 (5): 767-776, ills. [URL](#)

[338] **Ruinaard, H. (2018)** Salt River Canyon. *Succulenta (Netherlands)* 97(3): 128-134, ills. [On the variability of *Echinocerus bonkeriae* ssp. *bonkeriae*.]

[339] **Ruinaard, H. P. (2018)** *Echinocereus Kulturhybriden*. *Echinocereenfreund* 31(2): 35-42, ills.

[340] **Sánchez, D. & Vázquez-Santana, S. (2018)** Embryology of *Mammillaria dioica* (*Cactaceae*) reveals a new male sterility phenotype. *Flora* 241: 16-26, ills. [URL](#)

[341] **Sánchez, D., Terrazas, T., Grego-Valencia, D. & Arias, S. (2018)** Phylogeny in *Echinocereus (Cactaceae)* based on combined morphological and molecular evidence: Taxonomic implications. *Syst. Biodivers.* 16(1): 28-44, ills. [Published digitally in July 2017, print version 2018.] [URL](#)

[342] **Sandoval-Molina, M. A., Zavaleta-Mancera, H. A., León-Solano, H. J., Solache-Ramos, L. T., Jenner, B., Morales-Rodríguez, S., Patrón-Soberano, A. & Janczur, M. K. (2018)** First description of extrafloral nectaries in *Opuntia robusta (Cactaceae)*: Anatomy and ultrastructure. *PLoS One* 13(7): 1-26, ills. [URL](#)

[343] **Sandoval-Ortega, M. H. & Siqueiros-Delgado, M. E. (2018)** Las familias *Aizoaceae, Molluginaceae* y *Phytolaccaceae* (Caryophyllales) en el estado de Aguascalientes, México. *Polibotánica* 46: 27-47, ills., maps, keys. [URL](#)

[344] **Santecchia, S. (2018)** *Puna subterranea* (R. E. Fries) R. Kiesling. *Xerophilia* 7(1): 59-70, ills. [Included for the illustrations. Published in parallel English and Spanish versions.]

[345] **Santos, A. M. S., Nollet, F., Rapini, A., Barreto, R. C., Cordeiro, J. M. P., Almeida, E. M., Silva, J. L., Batista, F. R. C. & Felix, L. P. (2018)** In: Marhold, K. & Kucera, J. (eds.): IAPT chromosome data 28. *Taxon* 67(6): 1243, E34-E38, ills. [Includes data for *Cissus decidua* and *Marsdenia megalantha*.] [URL](#)

[346] **Santos, G. L. D., Lemos, E. L., Fernandes, A. F. C., Rocha, W. R. V., Catão, R. M. R., Filho, R. B., Tavares, J. F., Fechine, I. M. & Alves, H. S. (2018)** Phytochemical study of *Harrisia adscendens*. *Revista Brasil. Farmacogn.* 28(3): 298-302. [URL](#)

[347] **Sarnes, E. & Sarnes, N. (2018)** *Austrocactus aonikenensis* – the southernmost *Austrocactus*. *CactusWorld* 36(2): 131-126, ills., map. [Includes a tabular key to the species of *Austrocactus*.]

[348] **Sarnes, E. & Sarnes, N. (2018)** The new

Austrocaeti. Kakt. Klub 2018(1): 46-52, ills.

[349] **Schädlich, V. & Wick, M. (2018)** The seeds of the genus *Gymnocalycium* Pfeiffer ex Mittler. Part 3: Subgenus *Scabrosemineum*. *Schütziana* 9(3): 14-67, ills., maps. [Parts 1 and 2 published l.c., 2017. Published in parallel English, German, Russian and Japanese editions.]

[350] **Schnabel, D. H. (2018)** A monograph of *Euphorbia polygona* from the perspective of an amateur botanist. Haan (DE): Published by the author. 135 pp., ills.

[351] **Schnabel, D. H., Veldhuisen, R. & Marx, J. G. (2018)** Taxonomy of the *Euphorbia pseudoglobosa* aggregate, including the description of two new varieties. *Euphorbia World* 14 (2): 5-21, ills., map.

[352] **Schröder, C. N. (2018)** Die Geschichte von *Ceropegia simoneae* Rauh. Bemerkungen zur Entdeckung und zum Originalmaterial. *Avonia* 36(2): 126-139, ills., maps.

[353] **Schweich, D. (2018)** Zur Identität von *Lobivia graulichii* var. *cinnabarina*. *Kakt. and Sukk.* 69(6): 169-173, ills.

[354] **Seidelt, R. & Buddensiek, V. (2018)** Eine Reise nach Indien und eine neue *Euphorbia*. *Avonia* 36(3): 150-157, ills. [On a possibly new species of *Euphorbia*.]

[355] **Sen, A., Miranda, I., Ferreira, J., Lourenço, A. & Pereira, H. (2018)** Chemical composition and cellular structure of Ponytail Palm (*Beaucarnea recurvata*) cork. *Industr. Crops Prod.* 124: 845-855, ills. [URL](#)

[356] **Shaw, J. (2018)** *Sinocrassula densirosulata* – typification and identity of plants in cultivation. *Newslett. Sedum Soc.* 127: 14-20, ills.

[357] **Shaw, J., Hussey, N. & Ferguson, D. J. (2018)** ‘Cow’s Tongue’ *Opuntia*, a garden form. *Cact. Explorer* 22: 40-41, ills.

[358] **Shaw, J., Hussey, N. & Ferguson, D. J. (2018)** *Opuntia cacanapa* ‘Ellisiana’. *Cact. Explorer* 22: 24-25, ills.

[359] **Shaw, J. M. H. (2018)** Crassulaceae nothogenera. *Newslett. Sedum Soc.* 126: 95-102.

[360] **Sherrah, C. (2018)** The Totem Pole Cac-

tus – *Lophocereus schottii* f. *monstrosus*. *Cact. Explorer* 23: 26-29, ills.

[361] **Shrestha, K. K., Bhattari, S. & Bhandari, P. (2018)** Handbook of flowering plants of Nepal. Vol. I. New Delhi (IN): Vedams Books. 642 pp., 20 pl. [This volume includes *Crassulaceae*.]

[362] **Silva, G. A. R., Antonelli, A., Lendel, A., Moraes, E. de M. & Manfrin, M. H. (2018)** The impact of early quaternary climate change on the diversification and population dynamics of a South American cactus species. *J. Biogeogr.* 45(1): 76-88. [Online publication Nov. 2017, print version Jan. 2018.] [URL](#)

[363] **Singh, M. (2018)** Auf der Suche nach *Euphorbia venkatarajui* Sarojin [sic!]. In search of *Euphorbia venkatarajui* Sarojin [sic!]. *Avonia* 36(3): 158-161, xliii, ills. [Included for the illustrations.]

[364] **Slaba, R. (2018)** [Czech:] *Rebutia (Aylosteria) heliosa* – a species with many forms. *Kaktusy (Brno)* 54(1): 21-29, ills. [Included for the illustrations depicting variability.]

[365] **Slaba, R. (2018)** [Czech:] *Parodia occulta* Ritt., a mysterious plant not only for Ritter. *Kaktusy (Brno)* 54(2): 39-44, ills.

[366] **Slaba, R. (2018)** [Czech:] *Lobivia rauschii* Zecher, the "*Echinocereus*" from southern Bolivia. *Kaktusy (Brno)* 54(3): 79-83, ills.

[367] **Slaba, R. (2018)** [Czech:] White-flowering sulcorebutias. *Kaktusy (Brno)* 54(4): 129-136, ills. [Included for the illustrations.]

[368] **Smith, G. F. (2018)** Proposal to conserve the name *Aloe glauca* (*Asphodelaceae: Alooidae*) with a conserved type. *Taxon* 67(6): 1214. [URL](#)

[369] **Smith, G. F. & Figueiredo, E. (2018)** The infrageneric classification and nomenclature of *Kalanchoe* Adans. (*Crassulaceae*), with special reference to the southern African species. *Bradleya* 36: 162-172, ills. [URL](#)

[370] **Smith, G. F. & Figueiredo, E. (2018)** *Aloe viridiana* Gideon F. Sm. & Figueiredo (*Asphodelaceae: Alooidae*), a replacement name for the illegitimate *Aloe greenii* Baker, a maculate aloe endemic to KwaZulu-Natal, South Africa, with notes on the nomenclature of the spe-

cies. *Bradleya* 36: 212-217, ills. [URL](#)

[371] **Smith, G. F. & Figueiredo, E. (2018)** Nomenclatural notes on *Kalanchoe pinnata* (Lam.) Pers. (*Crassulaceae*). *Bradleya* 36: 220-223, ills. [URL](#)

[372] **Smith, G. F. & Figueiredo, E. (2018)** The nomenclature of *Aloe ferox* Mill. (*Asphodelaceae: Alooideae*), an iconic medium-sized to large aloe from southern South Africa. *Haseltonia* 25: 128-132, ills. [URL](#)

[373] **Smith, G. F. & Figueiredo, E. (2018)** Request for a binding decision on whether *Kalanchoe rosea* C. B. Clarke and *K. rosei* Raym.-Hamet & H. Perrier (*Crassulaceae*) are sufficiently alike to be confused. *Taxon* 67(5): 1039. [URL](#)

[374] **Smith, G. F. & Figueiredo, E. (2018)** Proposal to conserve the name *Aloe melanacantha* against *A. muricata* (*Asphodelaceae: Alooideae*). *Taxon* 67(6): 1215. [URL](#)

[375] **Smith, G. F., Bischofberger, M. & Figueiredo, E. (2018)** The cultivar \times *Graptoveria* 'Fantome' Aubé ex Gideon F. Sm. & Bischofb. is the most commonly cultivated representative of the *Crassulaceae* in southern Africa. *Bradleya* 36: 42-52, ills. [URL](#)

[376] **Smith, G. F., Figueiredo, E. & Crouch, N. R. (2018)** The taxonomy of *Kalanchoe hirta* Harv. and *K. crenata* (Andrews) Haw. (*Crassulaceae*), and reinstatement of *K. hirta* as a distinctive, endemic species from southern and south-tropical Africa. *Haseltonia* 24: 40-50, ills., map. [URL](#)

[377] **Smith, G. F., Figueiredo, E. & Molteno, S. (2018)** Lectotypification of *Astroloba herrei* Uitewaal (*Asphodelaceae: Alooideae*). *Bradleya* 36: 224-226, ills. [URL](#)

[378] **Smith, G. F., Figueiredo, E. & Molteno, S. (2018)** \times *Gonimara* Gideon F. Sm. & Molteno (*Asphodelaceae*): A new nothogenus name for the artificial hybrid, \times *Gonimara corderoyi* (A. Berger) Gideon F. Sm. & Molteno, between the alooid species *Gonialoe variegata* and *Kumara plicatilis*, two southern African endemics. *Bradleya* 36: 53-61, ills. [URL](#)

[379] **Smith, G. F., Figueiredo, E. & Silva, V. (2018)** The curious case of the occurrence of *Lampranthus glaucus* (L.) N. E. Br. (*Aizoaceae / Mesembryanthemaceae*) in Europe. *Bradleya*

36: 189-199, ills., map. [URL](#)

[380] **Smith, G. F., Figueiredo, E. & Starr, G. (2018)** Notes on the typification and nomenclature of *Agave dissimulans* Trelease, *Agave convallis* Trelease, and *Agave kerchovei* Lem. (*Asparagaceae: Agavoideae / Agavaceae*). *Haseltonia* 24: 36-39, ills. [URL](#)

[381] **Smith, G. F., Figueiredo, E., Bischofberger, M. & Egli, U. (2018)** Nomenclature of the nothogenus names \times *Graptophytum* Gossot, \times *Graptoveria* Gossot, and \times *Pachyveria* Haage & Schmidt (*Crassulaceae*). *Bradleya* 36: 33-41, ills. [URL](#)

[382] **Smith, G. F., Figueiredo, E., Klopper, R. R. & Wyk, A. E. van (2018)** Proposal to conserve the name *Astroloba* against *Poellnitzia* (*Asphodelaceae: Alooideae*). *Taxon* 67(1): 206. [URL](#)

[383] **Smith, G. F., Starr, G. & Thiede, J. (2018)** Request for a binding decision on the descriptive statement associated with *Agave lophantha* (*Asparagaceae / Agavaceae*). *Taxon* 67(3): 665. [URL](#)

[384] **Smith, S. A., Brown, J. W., Yang, Y., Bruenn, R., Drummond, C. P., Brockington, S. F., Walker, J. F., Last, N., Douglas, N. A. & Moore, M. J. (2018)** Disparity, diversity, and duplications in the Caryophyllales. *New Phytol.* 217(2): 836-854. [Online publication Sept. 2017, print version Jan. 2018.] [URL](#)

[385] **Snopka, M. (2018)** [Czech:] *Weberbauerocereus rauhii* Backeberg (1957). *Cactaceae* etc. 28(1): 2-6, ills. [Included for the illustrations.]

[386] **Snopka, M. (2018)** [Czech:] *Arequipa hempheliana* (Guerke) Oehme 1940. *Cactaceae* etc. 28(2): 63-69, ills. [Included for the illustrations.]

[387] **Snopka, M. (2018)** [Czech:] *Haageocereus pacalaensis* subsp. *repens* (Rauh & Backeberg) Ostolaza. *Cactaceae* etc. 28(3): 101-103, ills. [Included for the illustrations.]

[388] **Snopka, M. (2018)** [Czech:] *Melocactus peruvianus* Vaupel. *Kaktusy* (Brno) 54(2): 48-53, ills.

[389] **Snopka, M. (2018)** [Czech:] *Morawetzia* Backeberg 1936. *Kaktusy* (Brno) 54(4): 121-124, ills. [Included for the illustrations of *Mo-*

rawetzia doelziana.]

[390] **Solichon, J. M. (2018)** Euphorbes succulentes de l'état de Bahia. *Cact. Succ.* 10(2): 36-43, ills., map. [Included for the illustrations.]

[391] **Solti, A. (2018)** [Hungarian:] Domestic succulents: *Sempervivum marmoratum* subsp. *matricum* at Zemplén. *Kaktusz Vilag* 42(3): 143-149, ills.

[392] **Srivastava, G., Mehrotra, R. C. & Dölcher, D. L. (2018)** Paleocene *Ipomoea* (*Convolvulaceae*) from India with implications for an East Gondwana origin of *Convolvulaceae*. *Proc. Natl. Acad. Sci. U.S.A.* 115(23): 6028-6033, maps., ills. [URL](#)

[393] **Staník, R. (2018)** [Czech:] *Notocactus submammulosus* (Lem.) Backbg. *flora rubra* [sic!]. *Cactaceae etc.* 28(2): 43-45, ills. [Included for the illustrations.]

[394] **Starha, R. (2018)** [Czech:] *Aloe retrospiciens* Reynolds et Bally near the village Daarbudhuq (Somalia). *Cactaceae etc.* 28(3): 88-89, ills. [Included for the illustrations.]

[395] **Stephenson, R. (2018)** Four of the world's tiniest succulents grow together in central Spain. *Cact. Succ. J. (Los Angeles)* 90(3): 213-215, ills. [On *Crassula vaillantii*, *Sedum pedicellatum*, *S. andegavense*, *S. caespitosum* and *S. aetnense*.] [URL](#)

[396] **Stephenson, R. (2018)** Ancestral stock of the Canary Island *Aeonium* group. *CactusWorld* 36(2): 137-141, ills. [Included for the illustrations.]

[397] **Stephenson, R. (2018)** Tre *Sedum* spesso confusi / Three confused *Sedum* species: *S. hispanicum*, *S. lydium* e *S. pallidum*. *Piante Grasse* 38(4): 26-33, ills.

[398] **Stephenson, R. (2018)** A possible area in which *Petrosedum xestrelae* may grow. *Newslett. Sedum Soc.* 125: 64, ills.

[399] **Stephenson, R. (2018)** *Sedum beauverdii* subsp. *vietnamense* (V. V. Byalt) J. M. H. Shaw in cultivation. *Newslett. Sedum Soc.* 125: 65-68, ills.

[400] **Stephenson, R. (2018)** *Orostachys japonica* in cultivation. *Newslett. Sedum Soc.* 126: 84-85, ills. [Included for the illustrations.]

[401] **Stephenson, R. (2018)** Variation of *Se-*

dum pedicellatum Boissier & Greuter in C Spain. *Newslett. Sedum Soc.* 127: 10-12, ills.

[402] **Stephenson, R. (2018)** Sierra de Ávila and the enigma of *Sedum atratum*. *Newslett. Sedum Soc.* 127: 7-10, ills., map.

[403] **Stoughton, T. R., Kriebel, R., Jolles, D. D. & O'Quinn, R. L. (2018)** Next-generation lineage discovery: A case study of tuberous *Claytonia* L. *Amer. J. Bot.* 105(3): 536-548, ills. [URL](#)

[404] **Stuchlík, S. (2018)** [Czech:] *Wigginsia calvescens* (N. Gerloff & A. D. Nilson) Font grows also in Argentina. *Kaktusy (Brno)* 54(2): 56-59, ills.

[405] **Stuchlík, S. (2018)** [Czech:] *Frailea gracillima* (Lem.) Britton & Rose and its relative *F. alacriportana* Backeb. & Voll – columnar plants from southern Brazil. *Kaktusy (Brno)* 54(3): 84-87, ills.

[406] **Stuchlík, S. (2018)** [Czech:] *Notocactus langsdorfii* (Lehm.) Krainz f. *eddiewartasii* Gerloff in situ. *Kaktusy (Brno)* 54(4): 111-114, ills.

[407] **Stuchlík, S. (2018)** [Czech:] *Notocactus crassigibbus* F. Ritter – a large *Notocactus* with large flowers. *Minimus* 49(2): 7-12, ills.

[408] **Stüppie-van der Hoff, F. (2018)** *Lepismium paranganiense*. *Succulenta (Netherlands)* 97(5): 238-240, ills.

[409] **Sukhorukov, A. P., Kushunina, M., Mokni, R. E., Goñalons, L. S., Aouni, M. H. E. & Daniel, T. F. (2018)** Chorological and taxonomic notes on African plants, 3. *Bot. Letters* 165(2): 228-240, ills. [Includes a key to non-native *Kalanchoe* species in Tunisia.] [URL](#)

[410] **Sukhorukov, A. P., Nilova, M. V., Erst, A. S., Kushunina, M., Baider, C., Verloove, F., Salas-Pascual, M., Belyaeva, I. V., Krinitsina, A. A., Bruyns, P. V. & Klak, C. (2018)** Diagnostics, taxonomy, nomenclature and distribution of perennial *Sesuvium* (*Aizoaceae*) in Africa. *PhytoKeys* 92: 45-88, ills., maps. [URL](#)

[411] **Szabo, R. (2018)** Die Pflanzen um *Notocactus rutilans* Daeniker & Krainz im Fokus. *Internoto* 39(3): 63-72, ills., map.

[412] **Takawira-Nyanya, R., Mucina, L., Cardinal-McTeague, W. M. & Thiele, K. R. (2018)** *Sansevieria* (*Asparagaceae*, *Nolinoideae*) is a herbaceous clade within *Dracaena*:

Inference from non-coding plastid and nuclear DNA sequence data. *Phytotaxa* 376(2): 254-276, ills. [URL](#)

[413] **Tan, X.-H., Wang, J.-H., Zhao, K.-K., Zhu, Z.-X. & Wang, H.-F. (2018)** Complete plastome sequence of *Hoya pottsii* Traill and *Hoya liangii* Tsiang (*Apocynaceae*). Mitochondrial DNA Part B 3(2): 1176-1177. [URL](#)

[414] **Tao, Z.-B., Wortley, A. H., Lu, L., Li, D.-Z., Wang, H. & Blackmore, S. (2018)** Evolution of Angiosperm pollen. 6. The Celastrales, Oxalidales, and Malpighiales (COM) clade and Zygophyllales. *Missouri Bot. Gard. Bull.* 103 (3): 393-442, ills. [URL](#)

[415] **Taylor, H. V. (2018)** *Sedum* hunting in North-Eastern Mexico – Part 3. A possible new disjunct site for *Sedum chrysicaulum*? *Newslett. Sedum Soc.* 124: 42-46, ills.

[416] **Taylor, H. V. (2018)** *Sedum* hunting in North-Eastern Mexico – Part 4. *Sedum corynephyllum* in habitat. *Newslett. Sedum Soc.* 126: 92-95, ills.

[417] **Taylor, N. P. & Zappi, D. C. (2018)** Additions and corrections to 'Cacti of Eastern Brazil'. *Bradleya* 36: 2-21, ills. [URL](#)

[418] **Taylor, N. P., Oliveira, D. M. G., Azevedo, L. O., Stehmann, J. R. & Machado, M. (2018)** *Micranthocereus oliveirae* P. J. Braun = *M. aureispinus* Ritter (*Cactaceae*). *Bradleya* 36: 173-175, ills. [URL](#)

[419] **Teixeira, V. D., Verola, C. F., Ribeiro da Costa, I., Zappi, D. C., Mota da Costa, G., Silva, S. R., Costa, M. A. P. & Aona, L. Y. S. (2018)** Investigating the floral and reproductive biology of the endangered microendemic cactus *Uebelmannia buiningii* Donald (Minas Gerais, Brazil). *Folia Geobot.* 53(2): 227-239, ills., map. [URL](#)

[420] **Thaithong, O., Kidyoo, A. & Kidyoo, M. (2018)** Handbook of Asclepiads of Thailand. Bangkok (TH): Chulalongkorn University, Plant of Thailand Research Unit. [6] + 326 pp., ills., maps, keys.

[421] **Thiede, J. & Stephenson, R. (2018)** The taxonomy and typification of *Sedum creticum*, and the curious protologue of *S. xdonatae* (*Crassulaceae*). *Willdenowia* 48(1): 51-55, ills. [URL](#)

[422] **Thiede, J., Padrón-Mederos, M. A. & Reyes-Betancort, J. A. (2018)** *Monanthes laxiflora* (*Crassulaceae*) on El Hierro (Spain: Canary Islands). *Bradleya* 36: 238-240, ills., map. [URL](#)

[423] **Thiele, H. (2018)** Die Amblayo-*Parodia*. *Kaktusblüte* 2018: 53-60, ills.

[424] **Thiele, K. R., Obbens, F., Hancock, L., Edwards, E. & West, J. G. (2018)** Proposal to conserve the name *Parakeelya* against *Rumic astrum* (*Montiaceae*). *Taxon* 67(1): 214-215. [URL](#)

[425] **Thorogood, C., Dalton, N. & Hiscock, A. I. S. (2018)** The reproductive biology of two poorly known relatives of the fig (*Ficus*) and insights into the evolution of the fig syconium. *Nordic J. Bot.* 36(4): e01832, 12 pp., ills. [Observations on 2 non-succulent species of *Dorstenia*.] [URL](#)

[426] **Thulin, M., Larsson, A., Edwards, E. J. & Moore, A. J. (2018)** Phylogeny and systematics of *Kewa* (*Kewaceae*). *Syst. Bot.* 43(3): 689-700, ills., key, maps. [URL](#)

[427] **Trejo, L., Limones, V., Peña, G., Scheinvar, E., Vargas-Ponce, O., Zizumbo-Villarreal, D. & Colunga-García Marín, P. (2018)** Genetic variation and relationships among Agaves related to the production of tequila and mezcal in Jalisco. *Industr. Crops Prod.* 125: 140-149. [URL](#)

[428] **Trejo-Torres, J. C., Gann, G. D. & Christenhusz, M. J. M. (2018)** The Yucatan Peninsula is the place of origin of sisal (*Agave sisalana*, *Asparagaceae*): Historical accounts, phylogeography and current populations. *Bot. Sci.* 96(2): 366-376, ills. [URL](#)

[429] **Tsai, T., Diggie, P. K., Frye, H. A. & Jones, C. S. (2018)** Contrasting lengths of *Pelargonium* floral nectar tubes result from late differences in rate and duration of growth. *Ann. Bot. (Oxford)* 121(3): 549-560, ills. [URL](#)

[430] **Tuma, P. (2018)** [Czech:] *Gymnocalycium friedrichii* – facts long covered by time that should not fall into oblivion. *Kaktusy (Brno)* 54 (3): 88-90, P33-P37, ills.

[431] **Unger, G. (2018)** Leserbrief zu *Echinocereus relictus* Wellard: Zusammenfassung der Erstpublikation in *Echinocereenfreund* 31(1): 3-9, 2018. *Echinocereenfreund* 31(2): 56-57, ills.

[Included for the illustrations.]

[432] **Vaid, M. (2018)** Eine Serie über in Indien gefundene *Caralluma*-Arten (*Apocynaceae: Asclepiadoideae*), Teil 1. Series on *Caralluma* species found in India (family *Asclepiadaceae*) part I. *Avonia* 36(3): 162-165, xlvi, ills., map.

[433] **Valdez-Hernández, E. F., Flores-Vilchez, F., Pedraza-Santos, M. E., Colinas-León, M. T., Ramírez-Guerrero, L. G., Martínez-Cárdenas, L. & García-Díaz, R. F. (2018)** Distribution of *Euphorbia strigosa* Hook. and Arn. a Mexico native plant with ornamental potential. Distribución de *Euphorbia strigosa* Hook and Arn. planta nativa de México con potencial ornamental. *Revista Bio-Ci.* 5(1): e303, 16 pp. [URL](#)

[434] **Valdez-Hernández, E. F., Juárez-López, P., Pedraza-Santos, M. E., Zamora-Becerra, B. L., Martínez-Cárdenas, L. & Colinas-León, M. T. (2017)** Descripción de semillas silvestres de *Euphorbia strigosa* Hook. and Arn. del estado de Nayarit, México. *Temas Agrar.* 22 (1): 43-53, ills., map. [Omitted previously.] [URL](#)

[435] **Valverde, T. & Vázquez-Quesada, B. (2018)** Patrones de supervivencia y reproducción en dos poblaciones de *Ferocactus haematocanthus* (Salm-Dyck) Bravo (*Cactaceae*) en la región de Tehuacán. *Cact. Suc. Mex.* 63(1): 4-15, map., ills.

[436] **Varga, Z. (2018)** [Hungarian:] San Luis – Two attempts to find *Ariocarpus agavoides* subsp. *sanluisensis* Sotomayor *et al.* *Kaktusz Vilag* 42(2): 91-99, ills. [Included for the illustrations.]

[437] **Vargas-Luna, M. D., Hernández-Ledema, P., Majure, L. C., Puente-Martínez, R., Macías, H. M. H. & Luna, R. T. B. (2018)** Splitting *Echinocactus*: Morphological and molecular evidence support the recognition of *Homocephala* as a distinct genus in the *Cactaceae*. *PhytoKeys* 111: 31-59, ills., key. [URL](#)

[438] **Verloove, F., Rodríguez, A. M., Salas-Pascual, M. & Guiggi, A. (2018)** New cactus records from Gran Canaria with a key to the opuntoid species now established in the Canary Islands (Spain). *Haseltonia* 25: 115-124, ills. [URL](#)

[439] **Vích, J. (2018)** [Czech:] Colombian Wigginsias. *Kaktusy* (Brno) 54: Speciál 2, 36 pp., ills., maps. [Concurrently also published in a German edition.]

[440] **Vích, J. (2018)** *Freilea colombiana?* Forget it. *Kaktusy* (Brno) 54(1): 30-35, ills.

[441] **Vích, J. (2018)** [Czech:] *Melocactus guanensis* Fern.-Alonso & Xhonneux – a remarkable species from Colombia. *Kaktusy* (Brno) 54(3): 95-97, ills., map.

[442] **Vích, J. (2018)** [Czech:] Locality of Colombian Wigginsias. *Minimus* 49(2): 1-6, ills.

[443] **Villaruel, D., Faria, J. E. Q., Quevedo, A. W., Lopez, M., Miranda, V., Klitgaard, B. B. & Proença, C. E. B. (2018)** *Eugenia veadeirensis*, a new species of *Myrtaceae* from the highlands of Goiás (Central Brazil) and new miscellaneous records for the Brazilian flora. *Phytotaxa* 373(4): 283-290, ills. [Includes data for *Cleistocactus samaipatanus*.] [URL](#)

[444] **Villaverde, T., Pokorny, L., Olsson, S., Rincon-Barrado, M., Johnson, M. G., Gardner, E. M., Wickett, N. J., Molero, J., Riina, R. & Sanmartín, I. (2018)** Bridging the micro- and macroevolutionary levels in phylogenomics: Hyb-Seq solves relationships from populations to species and above. *New Phytol.* 220(2): 636-650, map. [On *Euphorbia balsamifera*.] [URL](#)

[445] **Viruel, J., Forest, F., Paun, O., Chase, M. W., Devey, D., Couto, R. S., Segarra-Moraques, J. G., Catalán, P. & Wilkin, P. (2018)** A nuclear *Xdh* phylogenetic analysis of yams (*Dioscorea: Dioscoreaceae*) congruent with plastid trees reveals a new neotropical lineage. *Bot. J. Linn. Soc.* 187(2): 232-246. [URL](#)

[446] **Waldeis, D. (2018)** *Echinocereus kroenleinii*, a forgotten, misunderstood and threatened species of the genus *Echinocereus* from the state of Coahuila. *CactusWorld* 36(3): 197-200, ills.

[447] **Walker, C. C. (2018)** The stapeliads of Philip Miller at the Chelsea Physic Garden. *Asklepios* 125: 12-17, ills.

[448] **Walker, C. C. (2018)** *Aloe littoralis* – a review of this widespread African species. *Harworthiad* 32(3): 60-64, ills.

[449] **Walker, C. C. & Vanden Bon, A. (2018)**

Aloe pearsonii – a unique species in habitat and in cultivation. *CactusWorld* 36(1): 33-40, ills. [Included for the illustrations.]

[450] Walker, J. F., Yang, Y., Feng, T., Timoneda, A., Mikenas, J., Hutchison, V., Edwards, C., Wang, N., Ahluwalia, S., Olivieri, J., Walker-Hale, N., Majure, L. C., Puente, R., Kadereit, G., Lauterbach, M., Eggli, U., Flores-Olvera, H., Ochoterena, H., Brockington, S. F., Moore, M. J. & Smith, S. A. (2018) From cacti to carnivores: Improved phylotranscriptomic sampling and hierarchical homology inference provide further insight into the evolution of Caryophyllales. *Amer. J. Bot.* 105(3): 446-462. [URL](#)

[451] Wang, J., Sun, P., Li, X., Liu, Y., Yang, N., Yu, J., Ma, X., Sun, S., Xia, R., Liu, X., Ge, S., Liu, Y., Kong, Y., Cui, X., Lei, T., Wang, L., Wang, Z., Ge, W., Zhang, L., Song, X., Yuan, M., Guo, D., Jin, D., Chen, W., Pan, Y., Liu, T., Yang, G., Xiao, Y., Sun, J., Zhang, C., Li, Z., Xu, H., Duan, X., Shen, S., Zhang, Z., Huang, S. & Wang, X. (2018) An overlooked paleotetraploidization in *Cucurbitaceae*. *Molec. Phylogen. Evol.* 35(1): 16-26. [URL](#)

[452] Wang, N., Yang, N., Moore, M., Brockington, S. F., Walker, J. F., Brown, J. W., Liang, B., Feng, T., Edwards, C., Mikenas, J., Olivieri, J., Hutchison, V., Timoneda, A., Stoughton, T., Puente, R., Majure, L. C., Eggli, U. & Smith, S. A. (2019) Evolution of *Portulacineae* marked by gene tree conflict and gene family expansion associated with adaptation to harsh environments. *Molec. Biol. Evol.* 36(1): 112-126. [Digitally published October 2018, print version Jan. 2019.] [URL](#)

[453] Wang, Q.-J., Yan, X.-I., Zhao, L., Zhang, X.-H. & Ren, Y. (2018) Comparative studies on petals [sic!] structure, micromorphology and ultrastructure in two species of *Stephania* (*Menispermaceae*). *Pl. Syst. Evol.* 304(8): 911-921, ills. [URL](#)

[454] Webb, R. H. & Newton, L. E. (2018) Biogeography of the genus *Sansevieria*: The missing tables. *Sansevieria* 37: 24-28. [Erratum to and update of a paper published l.c. 36, 2017.]

[455] Weber, R. (2018) *Rebutia* trifft Molekularbiologie – Teil 2. *Echinopseer* 15(1): 23-41, ills.; 16(1): 39, 2020 [erratum]. [Continued

from 14(2), 2017.]

[456] Weber, R. (2018) Zwergkakteen aus dem Hochgebirge: *Rebutia oculata*. *Kakt. and. Sukk.* 69(5): 129-136, ills. [Russian version in *Kakt. Tolko* 2018(4''): 18-25, ills., 2018.]

[457] Wen, J., Lu, L.-W., Nie, Z.-L., Liu, X.-Q., Zhang, N., Ickert-Bond, S., Gerrath, J., Manchester, S. R., Boggan, J. & Chen, Z.-D. (2018) A new phylogenetic tribal classification of the grape family (*Vitaceae*). *J. Syst. Evol.* 56(4): 262-272, key. [URL](#)

[458] Wilson, T. C. & Forster, P. I. (2018) *Plectranthus laxus* and *P. wallamanensis* (*Lamiaceae*): New species from tropical Queensland, Australia. *Austral. Syst. Bot.* 31(5-6): 433-447, map, ills., key. [Includes a key to species in Queensland and the Australian tropics.] [URL](#)

[459] Wittner, H. (2018) *Matucana aurantiaca* at the Laguna Sausacocho. *Cact. Explorer* 23: 23-25, ills.

[460] Wittner, H. (2018) Bisher kaum bekannt: *Corryocactus chachapoyensis* und *C. ericimarae* aus Nordperu. *Kakt. and. Sukk.* 69(11): 337-342, ills. [Partial Russian version in *Kakt. Tolko* 2018(4''): 25-29, ills., 2018.]

[461] Wittner, H. (2018) *Matucana fruticosa* im Habitat. *Kakt. and. Sukk.* 69(6): 161-166, ills.

[462] Wittner, H. (2018) Über die Gattung *Lasiocereus*. *Kakt. and. Sukk.* 69(9): 263-267, ills., map.

[463] Woolnough, I. (2018) Some interesting variations in *Ferocactus echidne*. *CactusWorld* 36(2): 147-149, ills. [On flower colour variability.]

[464] Woolnough, I. (2018) The Mexican *Melocactus*. *CactusWorld* 36(3): 171-177, ills. [On *Melocactus curvispinus*.]

[465] Woolnough, I. (2018) A visit to see *Mammillaria perezdelarosae* in habitat. *CactusWorld* 36(4): 237-240, ills. [Included for the illustrations.]

[466] Wray, T. (2018) *Villadia cucullata* subsp. *apiculata* Moran & C. H. Uhl. *Newslett. Sedum Soc.* 125: 52-53, ills. [Included for the illustrations.]

[467] Wu, Z.-Y., Liu, J., Provan, J., Wang, H.,

- Chen, C.-J., Cadotte, M. W., Luo, Y.-H., Amorim, B. S., Li, D.-Z. & Milne, R. I. (2018)** Testing Darwin's transoceanic dispersal hypothesis for the inland nettle family (*Urticaceae*). *Ecol. Letters* 21(10): 1515-1529. [URL](#)
- [468] **Wutzler, K. (2018)** Gedanken zur Gattung *Acanthocalycium* Echinopseae 15(1): 49-60, ills.
- [469] **Yang, Y., Moore, M. J., Brockington, S. F., Mikenas, J., Olivieri, J., Walker, J. F. & Smith, S. A. (2018)** Improved transcriptome sampling pinpoints 26 ancient and more recent polyploidy events in *Caryophyllales*, including two allopolyploidy events. *New Phytol.* 217(2): 855-870. [URL](#)
- [470] **Záhora, J., Najera Quezada, P., Flores Flores, J. L. & Morales, J. (2018)** *Echinofossulocactus* or *Stenocactus*. *Xerophilia* 7(1): 43-58, ills. [Published in parallel English and Spanish versions.]
- [471] **Zahra, R. (2018)** *Aloe vera* auf Malta und Gozo? *Aloe vera* in Malta and Gozo? *Avonia* 36 (2): 98-101, xxvi, ills.
- [472] **Zappi, D. C., Taylor, N. P., Damasceno Jr., G. A., Pott, V. J. & Machado, M. C. (2018)** Check-list das *Cactaceae* do estado do Mato Grosso do Sul, Brasil. *Iheringia, Bot.* 73: 169-173. [URL](#)
- [473] **Zhang, J.-Q., Zhong, D.-L., Song, W.-J., Zhu, R.-W. & Sun, W.-Y. (2018)** Climate is not all: Evidence from phylogeography of *Rhodiola fastigiata* (*Crassulaceae*) and comparison to its closest relatives. *Frontiers Pl. Sci.* 9: 462, 13 pp., ill., maps. [URL](#)
- [474] **Zhang, Y.-Z., Zhu, R.-W., Zhong, D.-L. & Zhang, J.-Q. (2018)** Nunataks or massif de refuge? A phylogeographic study of *Rhodiola crenulata* (*Crassulaceae*) on the world's highest sky islands. *BMC Evol. Biol.* 18: 154, 13 pp., maps. [URL](#)
- [475] **Zhao, D.-N. & Zhang, J.-Q. (2018)** Characterization of the complete chloroplast genome of the traditional medicinal plants *Rhodiola rosea* (Saxifragales: *Crassulaceae*). *Mitochondrial DNA Part B* 3(2): 753-754. [URL](#)
- [476] **Ziemmer, J. K., Goldenberg, R. & Amano, E. (2017)** Evolution of aquiferous pith and fistulae in *Merianthera burlemarxii* suggests a rare case of xerophytism in *Melastomataceae*. *Bot. J. Linn. Soc.* 185(1): 119-127, ills. [URL](#)
- [477] **Zini, L. M., Carrera, C. S., Lattar, E. C. & Ferrucci, M. S. (2018)** Pollen morphology in selected species of *Caricaceae* with special reference to novel palynological characters. *Botany* 96: 1-8. [Digitally published Oct. 2017, print version published 2018.] [URL](#)
- [478] **Zona, S. (2018)** The repeat-flowering *Agave* is a botanical bigfoot. *Cact. Succ. J. (Los Angeles)* 90(1): 64-69, ills. [URL](#)

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