

附录1 2021年中国植物新分类群和新名称变化文献目录

Appendix 1 Bibliography of new taxa and name changes for Chinese plants 2021

# 2021 年中国植物新分类群和新名 称变化文献目录

## **Bibliography of New Taxa and Name Changes for Chinese Plants in 2021**

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# Marchantiophyta 苔类植物门

## Aneuraceae 绿片苔科

*Riccardia vitrea* Furuki [New Record]

**YIN Xiang-bo, LAMARA Mebarek, LIYANAGE Nuwan Sameera, ZHU Rui-liang, FENTON Nicole J.** *Riccardia vitrea* (Aneuraceae), a Liverwort Species New to China and North America. *Herzogia* [J] 34(2): 279-285. [E] 2021: [280]. doi: 10.13158/hea.34.2.2021.279  
**CHINA** (Anhui, Fujian, Hainan, Yunnan); **CANADA, RUSSIA**  
**Evidence:** morphology; rbcL

## Frullaniaceae 耳叶苔科

*Frullania tamarisci* (L.) Dumort. var. *balansae* (Steph.) S. Hatt. 欧耳叶苔圆叶亚种 [New Record]  
**JIA Yu, WU Jin-ping.** *Bryophyte Diversity in Mt. Meihua National Nature Reserve, Fujian* [B]: 1-264. [C] 2021: [85].  
**CHINA** (Fujian); **VIETNAM**  
**Evidence:** morphology

*Frullania tibetica* Mamontov & J. J. Atwood [New Species]

**ATWOOD John J., MAMONTOV Yuriy S.** *Frullania tibetica* (Frullaniaceae), a New Species from Tibet, China. *Novon* [J] 29: 305-310. [E] 2021: [306]. doi: 10.3417/2021715  
**TYPE:** K. C. Chang & J. Y. Feng 15109 (holotype: MO-4441058; isotype: MHA)  
**CHINA** (Xizang\*)  
**Evidence:** morphology

## Gymnomitriaceae 全萼苔科

*Gymnomitrium schusteranum* Konstant., D. G. Long, Mamontov & Vilnet [New Species]  
**KONSTANTINOVA Nadezhda A., LONG David G., MAMONTOV Yuriy S., VILNET Anna A.** *Gymnomitrium schusteranum* (Gymnomitriaceae), A New Species from the Sino-Himalaya. *Arctoa* [J] 30: 149-158. [E] 2021: [150]. doi: 10.15298/arctoa.30.16  
**TYPE:** D. G. Long 35728 (holotype: KPABG; isotype: E, KUN, CAS, MO, MHA); Z. Iwatsuki & al. B9 (paratype: MO, MHA)  
**CHINA** (Yunnan\*); **INDIA**  
**Evidence:** morphology; ITS, trnL-F

## Harpanthaceae 镰萼苔科

*Protoharpanthus* Bakalin, Fedosov & D. G. Long [New Genus]  
**BAKALIN Vadim, FEDOSOV Vladimir, LONG David G., FEDOROVA Alina, MALTSEVA Yulia.** *Protoharpanthus* gen. nov. (Harpanthaceae) – a Relict Relative of *Harpanthus* from the Sino-Himalaya. *The Bryologist* [J] 124(2): 218-229. [E] 2021: [222]. doi: 10.1639/0007-2745-124.2.218  
**TYPE:** *Protoharpanthus sinensis* Bakalin, Fedosov & D. G. Long  
**Evidence:** morphology; rps4, trnL-F, trnG

*Protoharpanthus sinensis* Bakalin, Fedosov & D. G. Long [New Species]

**BAKALIN Vadim, FEDOSOV Vladimir, LONG David G., FEDOROVA Alina, MALTSEVA Yulia.** *Protoharpanthus* gen. nov. (Harpanthaceae) – a Relict Relative of *Harpanthus* from the

Sino-Himalaya. *The Bryologist* [J] 124(2): 218-229. [E] 2021: [223]. doi: 10.1639/0007-2745-124.2.218  
**TYPE:** D. G. Long 35924 (holotype: E-00997077; isotype: CAS, KUN, MO, MW, VBGI)  
**CHINA** (Yunnan\*)  
**Evidence:** morphology; rps4, trnL-F, trnG

## Jubulaceae 毛耳苔科

*Jubula pennsylvanica* (Steph.) A. Evans 北美毛耳苔 [New Record]  
**JIA Yu, WU Jin-ping.** *Bryophyte Diversity in Mt. Meihua National Nature Reserve, Fujian* [B]: 1-264. [C] 2021: [86].  
**CHINA** (Fujian); **UNITED STATES**  
**Evidence:** morphology

## Lejeuneaceae 细鳞苔科

*Ptychanthus striatus* (Lehm. & Lindenb.) Nees var. *motuoensis* Jian Wang bis, Gradst. & R. L. Zhu [New Variety]  
**DAI Zun, XING Shi-chen, GRADSTEIN S. Robbert, CHEN Xing, ZHU Rui-liang, WANG Jian.** New Species or Intraspecific Variation? A Case Study of *Ptychanthus striatus* var. *motuoensis* var. nov. (Marchantiophyta: Lejeuneaceae) from Xizang, China. *The Bryologist* [J] 124(4): 475-483. [E] 2021: [477]. doi: 10.1639/0007-2745-124.4.475  
**TYPE:** J. Wang 20111014-14A (holotype: HSNU)  
**CHINA** (Xizang\*)  
**Evidence:** morphology; trnL-trnF, trnG, nrITS

## Obtusifoliaceae [nom. inval.] 秃瓣苔科

*Konstantinovia* Bakalin & Fedosov [New Genus]  
**BAKALIN Vadim A., FEDOSOV Vladimir E., FEDOROVA Alina V., MA Wen-zhang.** *Obtusifoliaceae*, a New Family of Leafy Liverworts to Accommodate *Konstantinovia*, Newly Described from the Hengduan Mts. (South China) and *Obtusifolium* (Cephaloziineae, Marchantiophyta). *Plant Systematics and Evolution* [J] 307(62): 1-16. [E] 2021: [10]. doi: 10.1007/s00606-021-01779-8  
**TYPE:** *Konstantinovia pulchra* Bakalin & Fedosov  
**Evidence:** morphology; ITS1, 5.8S rRNA gene, ITS2, trnLF-exon1, trnLF-intron, trnLFexon2, trnLF-trnF, trnF-exon, rps4 gene, trnG

*Konstantinovia pulchra* Bakalin & Fedosov [New Species]

**BAKALIN Vadim A., FEDOSOV Vladimir E., FEDOROVA Alina V., MA Wen-zhang.** *Obtusifoliaceae*, a New Family of Leafy Liverworts to Accommodate *Konstantinovia*, Newly Described from the Hengduan Mts. (South China) and *Obtusifolium* (Cephaloziineae, Marchantiophyta). *Plant Systematics and Evolution* [J] 307(62): 1-16. [E] 2021: [10]. doi: 10.1007/s00606-021-01779-8  
**TYPE:** V. A. Bakalin & W. Z. Ma C-77-2-18 (holotype: VBGI; isotype: KUN, MW)  
**CHINA** (Yunnan\*)  
**Evidence:** morphology; ITS1, 5.8S rRNA gene, ITS2, trnLF-exon1, trnLF-intron, trnLFexon2, trnLF-trnF, trnF-exon, rps4 gene, trnG

#### Obtusifoliaceae Bakalin & Fedosov [New Family]

[nom. inval.]

**BAKALIN Vadim A., FEDOSOV Vladimir E., FEDOROVA Alina V., MA Wen-zhang.** Obtusifoliaceae, a New Family of Leafy Liverworts to Accommodate Konstantinovia, Newly Described from the Hengduan Mts. (South China) and Obtusifolium (Cephaloziineae, Marchantiophyta). *Plant Systematics and Evolution* [J] 307(62): 1-16. [E] 2021: [9]. doi: 10.1007/s00606-021-01779-8

**TYPE:** *Obtusifolium* S.W. Arnell

**Evidence:** morphology; ITS1, 5.8S rRNA gene, ITS2, trnLF-exon1, trnLF-intron, trnLFexon2, trnLF-trnF, trnF-exon, rps4 gene, trnG

#### Porellaceae 光萼苔科

*Porella campylophylla* (Lehm. & Lindenb.) Trevis. subsp. *tosana* (Steph.) S. Hatt. 粗齿光萼苔羽枝亚种 [New Record]

**JIA Yu, WU Jin-ping.** *Bryophyte Diversity in Mt. Meihua National Nature Reserve, Fujian* [B]: 1-264. [C] 2021: [80].

**CHINA** (Fujian); **JAPAN**

**Evidence:** morphology

#### Radulaceae 扁萼苔科

*Radula subacuminata* L. N. Zhang & R. L. Zhu [New Species]

**ZHANG Li-na, PROMMA Chatchaba, SHU Lei, WEI Yu-mei, WANG Jian, DO Truong Van, LU Thi Ngan, ZHU Rui-liang.** *Radula subacuminata*, a New Epiphyllous Species of *Radula* (Marchantiophyta) from China and Vietnam. *The Bryologist* [J] 124(2): 257-270. [E] 2021: [263]. doi: 10.1639/0007-2745-124.2.257

**TYPE:** R. L. Zhu & al. 20131027-138C (holotype: HSNU-10002703)

**CHINA** (Fujian); **VIETNAM\***

**Evidence:** morphology; trnG, trnL-F, rps4, atpB-rbcL

#### Scapaniaceae 合叶苔科

*Scapania metahimalayana* Vilnet & Bakalin [New Record]

**POTEMKIN Alexey D., VILNET Anna A., BAKALIN Vadim A.** A Case of Morphological Convergence in Sections *Stephania* and *Ciliatae* of the Liverwort Genus *Scapania* (Scapaniaceae, Marchantiophyta) and an Extension of the Range of *S. metahimalayana* to China. *Journal of Bryology* [J] 43(4): 339-346. [E] 2021: [2]. doi: 10.1080/03736687.2021.2010001

**CHINA** (Yunnan); **VIETNAM**

**Evidence:** morphology; ITS1-2, trnL-F, rbcL

## Bryophyta 藓类植物门

#### Bryaceae 真藓科

*Bryum glacierum* Y. Y. Liu & Y. Huan Wu [New Species]

**LIU Yong-ying, QUAN Yu-ping, WU Yu-huan.** A New Moss Species from Northwestern China: *Bryum glacierum* (Bryaceae). *Phytotaxa* [J] 510(2): 148-154. [E] 2021: [148]. doi: 10.11646/phytotaxa.510.2.3

**TYPE:** Y. H. Wu 201608210086 (holotype: Herbarium of Jiaozuo Normal College; isotype HTC, PE); Y. H. Wu 20160822218 (paratype: HTC, Herbarium of Jiaozuo Normal College)

**CHINA** (Xinjiang\*)

**Evidence:** morphology

*Haplodontium altunense* Xiao R. Wang & S. Mamtimin 阿尔金山拟缺齿藓 [New Species]

**WANG Xiao-rui, LI Min, SPENCE John R., ZHAO Jian-cheng, MAMTIMIN Sulayman.** *Haplodontium altunense* (Bryaceae, Bryopsida), a New Moss Species from Northwest China. *PhytoKeys* [J] 183: 9-19. [E] 2021: [11]. doi: 10.3897/phytokeys.183.71642

**TYPE:** S. Mamtimin 16752 (holotype: HBNU; isotype: XJU)

**CHINA** (Xinjiang\*)

**Evidence:** morphology; ITS

#### Ditrichaceae 牛毛藓科

*Trichodon cylindricus* (Hedw.) Schimp. var. *oblongus* (Lindl.) Podp. 短蒴毛齿藓 [New Record]

**AUZMIRA Mamtimin, LIU Yong-ying, MEIHERIBANHAN Zulejli, MAMTIMIN Sulayman.** *Trichodon cylindricus* var. *oblongus* (Lindl.) Podp. (Ditrichaceae, Musci) Reported New to China. *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(10): 1776-1780. [C] 2021: [1777]. doi: 10.7606/j.issn.1000-4025.2021.10.1776

**CHINA** (Xinjiang); **CANADA, UNITED STATES, NORWAY**

**Evidence:** morphology

#### Mniaceae 提灯藓科

*Plagiomnium decursivum* R. E. Wyatt [New Species]

**WYATT Robert, HARRIS Eric S. J., ODRZYKOSKI Ireneusz J.** *Plagiomnium decursivum* (Mniaceae), a New Moss Species from Japan and China. *The Bryologist* [J] 124(2): 151-161. [E] 2021: [159]. doi: 10.1639/0007-2745-124.2.151

**TYPE:** R. E. Wyatt 1673 (holotype: DUKE)

**CHINA** (Yunnan); **JAPAN\***

**Evidence:** morphology

*Plagiomnium jiuzhaigouense* R. E. Wyatt [New Species]

**WYATT Robert.** *Plagiomnium jiuzhaigouense* (Mniaceae), a New Moss Species from Jiuzhaigou National Park, Sichuan Province, China. *The Bryologist* [J] 124(1): 27-32. [E] 2021: [31]. doi: 10.1639/0007-2745-124.1.027

**TYPE:** R. Wyatt 1799 (holotype: DUKE; isotype: NY)

**CHINA** (Sichuan\*)

**Evidence:** morphology

#### Orthotrichaceae 木灵藓科

*Lewinskya affinis* (Brid.) F. Lara, Garilleti & Goffinet var. *bohemica* (Plášek & Sawicki) Plášek [New Record]

**PLÁŠEK Vítězslav, KOMÍNKOVÁ Zuzana, OCHYRA Ryszard, FIALOVÁ LUCIE, GUO Shui-liang, SULAYMAN Mamtimin.** A Synopsis of *Orthotrichum* s. lato (Bryophyta, Orthotrichaceae) in China, with Distribution Maps and a Key to Determination. *Plants (MDPI)* [J] 10(499): 1-36. [E] 2021: [21]. doi: 10.3390/plants10030499

**CHINA** (Xinjiang)

**Evidence:** morphology

*Lewinskya brassii* (E. B. Bartram) F. Lara, Garilleti & Goffinet [Excluded from China]

PLÁŠEK Vítězslav, KOMÍNKOVÁ Zuzana, OCHYRA Ryszard, FIALOVÁLUCIE, GUO Shui-liang, SULAYMAN Mamtimin. A Synopsis of *Orthotrichum* s. lato (Bryophyta, Orthotrichaceae) in China, with Distribution Maps and a Key to Determination. *Plants (MDPI)* [J] 10(499): 1-36. [E] 2021: [5]. doi: 10.3390/plants10030499

NEW GUINEA

Evidence: morphology

*Lewinskya elegans* (Schwägr. ex Hook. & Grev.) F. Lara, Garilleti & Goffinet [Excluded from China]

PLÁŠEK Vítězslav, KOMÍNKOVÁ Zuzana, OCHYRA Ryszard, FIALOVÁLUCIE, GUO Shui-liang, SULAYMAN Mamtimin. A Synopsis of *Orthotrichum* s. lato (Bryophyta, Orthotrichaceae) in China, with Distribution Maps and a Key to Determination. *Plants (MDPI)* [J] 10(499): 1-36. [E] 2021: [4]. doi: 10.3390/plants10030499

UNITED STATES

Evidence: morphology

*Nyholmiella gymnostoma* (Brid.) Holmen & E. Warncke [Excluded from China]

PLÁŠEK Vítězslav, KOMÍNKOVÁ Zuzana, OCHYRA Ryszard, FIALOVÁLUCIE, GUO Shui-liang, SULAYMAN Mamtimin. A Synopsis of *Orthotrichum* s. lato (Bryophyta, Orthotrichaceae) in China, with Distribution Maps and a Key to Determination. *Plants (MDPI)* [J] 10(499): 1-36. [E] 2021: [5]. doi: 10.3390/plants10030499

MONTENEGRO

Evidence: morphology

*Orthotrichum hooglandii* E. B. Bartram [Excluded from China]

PLÁŠEK Vítězslav, KOMÍNKOVÁ Zuzana, OCHYRA Ryszard, FIALOVÁLUCIE, GUO Shui-liang, SULAYMAN Mamtimin. A Synopsis of *Orthotrichum* s. lato (Bryophyta, Orthotrichaceae) in China, with Distribution Maps and a Key to Determination. *Plants (MDPI)* [J] 10(499): 1-36. [E] 2021: [5]. doi: 10.3390/plants10030499

NEW GUINEA

Evidence: morphology

*Orthotrichum revolutum* Müll. Hal. 卷叶木灵藓 [Rediscovery]

WANG Qing-hua, HE Qiang, JIA Yu. *Orthotrichum revolutum* (Orthotrichaceae, Bryophyta), an Endemic Species to China, Rediscovered after 123 Years. *Bulletin of Botanical Research* [J] 41(4): 481-487. [E] 2021: [482]. doi: 10.7525/j.issn.1673-5102.2021.04.001

TYPE: Giraldi 1509 (lectotype: FI-012918; isolectotype: H-2996026); Giraldi 1511 (syntype: FI-012919, H-2996026)

CHINA (Beijing, Shaanxi\*)

Evidence: morphology

*Orthotrichum schimperi* Hammar [New Record]

PLÁŠEK Vítězslav, KOMÍNKOVÁ Zuzana, OCHYRA Ryszard, FIALOVÁLUCIE, GUO Shui-liang, SULAYMAN Mamtimin. A Synopsis of *Orthotrichum* s. lato (Bryophyta, Orthotrichaceae) in China, with Distribution Maps and a Key to Determination. *Plants (MDPI)* [J] 10(499): 1-36. [E] 2021: [21]. doi: 10.3390/plants10030499

CHINA (Xinjiang)

Evidence: morphology

Polytrichaceae 金发藓科

*Delongia flavolimbata* (S. He & Y. J. Yi) S. He & Y. J. Yi [New Combination]

YI Yan-jun, ZHANG Jie, XIAO Xiao-xuan, HE Si. *Delongia flavolimbata* (S. He & Y. J. Yi) S. He & Y. J. Yi, an Unusual Species with Elamellate Laminae from China, Newly Combined in Polytrichaceae Based on Molecular Data. *Journal of Bryology* [J] 43(4): 313-320. [E] 2021: [317]. doi: 10.1080/03736687.2021.2004358

TYPE: Ma & al. 13-4879 (holotype: KUN; isotype: CAS, E, MO); Shevock & al. 43028 (paratype: CAS, E, KUN, MO)

CHINA (Yunnan\*)

Evidence: morphology; rps4, trnL-F

B: *Hyophila flavolimbata* S. He & Y. J. Yi

## Lycopodiophyta 石松门

Isoetaceae 水韭科

*Isoetes baodongii* Y. F. Gu, Y. H. Yan & Yi J. Lu 保东水韭 [New Species]

LU Yi-jun, GU Yu-feng, YAN Yue-hong. *Isoetes baodongii* (Isoetaceae), a New Basic Diploid Quillwort from China. *Novon* [J] 29(1): 206-210. [E] 2021: [207]. doi: 10.3417/2021680

TYPE: Y. F. Gu Fern 08946 (holotype: PE; isotyp: CSH, NOCC)

CHINA (Zhejiang\*)

Evidence: morphology; chromosome

Selaginellaceae 卷柏科

*Selaginella iridescens* X. C. Zhang & Ya R. Wang 彩虹卷柏 [New Species]

YANG Jie, ZHANG Meng-hua, WANG Ya-rong, YUAN Lang-xing, ZHANG Xian-chun. An Extraordinary Rosette and Resurrection New Spikemoss, *Selaginella iridescens* (Selaginellaceae) from Hainan Island, China. *Taxonomy (MDPI)*

[J] 1(4): 302-312. [E] 2021: [305]. doi: 10.3390/taxonomy1040024

TYPE: Y. R. Wang & L. X. Yuan wyr20200110 (holotype: PE); X. C. Zhang & E. F. Huang 11594 (paratype: PE)

CHINA (Hainan\*)

IUCN: VU; Evidence: morphology; rbcL

*Selaginella jiulongensis* (H. S. Kung, Li Bing Zhang & X. S. Guo) M. H. Zhang & X. C. Zhang [New Combination]

Zhang Meng-hua, Wei Ran, Xiang Qiao-ping, Ebihara Atsushi, Zhang Xian-chun. Integrative Taxonomy of the *Selaginella helvetica* group Based on Morphological, Molecular and Ecological Data. *Taxon* [J] 70(6): 1163-1187. [E] 2021: [1179]. doi: 10.1002/tax.12565

TYPE: L. B. Zhang & X. S. Guo 2537 (holotype: CDBI; isotype: PE-00405731)

**CHINA** (Gansu, Hebei, Henan, Hubei, Qinghai, Shaanxi, Sichuan\*, Xizang, Yunnan); **NEPAL**  
**Evidence:** morphology; 26S rDNA, *pgiC*, *rbcL*, *psbA*, *atpI*, *atpF*, *atpF-H*  
**B:** *Lycopodioides jiulongensis* H. S. Kung, Li Bing Zhang & X. S. Guo

*Selaginella qingchengshanensis* Li Bing Zhang & Xin M. Zhou  
青城山卷柏 [New Species]

**HE Meng, HE Zhao-rong, ZHANG Li-bing, ZHOU Xin-mao.** *Selaginella qingchengshanensis* (sect. *Heterostachys*; Selaginellaceae), a New Species from Sichuan, China. *Phytotaxa* [J] 522(4): 285-293. [E] 2021: [286]. doi: 10.11646/phytotaxa.522.4.2

**TYPE:** Z. L. Liang & X. Pu 085 (holotype: PYU)

**CHINA** (Sichuan\*)

**IUCN:** NT; **Evidence:** morphology; ITS2, *rbcL*

*Selaginella shensiensis* Christ [Typification]

**Zhang Meng-hua, Wei Ran, Xiang Qiao-ping, Ebihara Atsushi, Zhang Xian-chun.** Integrative Taxonomy of the

*Selaginella helvetica* group Based on Morphological, Molecular and Ecological Data. *Taxon* [J] 70(6): 1163-1187. [E] 2021: [1182]. doi: 10.1002/tax.12565

**TYPE:** G. Giraldi s.n. (lectotype: K-001067383)

**CHINA** (Beijing, Guizhou, Hebei, Henan, Hubei, Shaanxi\*)

**Evidence:** morphology; 26S rDNA, *pgiC*, *rbcL*, *psbA*, *atpI*, *atpF*, *atpF-H*

*Selaginella shensiensis* Christ [New Synonymy]

**Zhang Meng-hua, Wei Ran, Xiang Qiao-ping, Ebihara Atsushi, Zhang Xian-chun.** Integrative Taxonomy of the *Selaginella helvetica* group Based on Morphological, Molecular and Ecological Data. *Taxon* [J] 70(6): 1163-1187. [E] 2021: [1182]. doi: 10.1002/tax.12565

**TYPE:** G. Giraldi s.n. (lectotype: K-001067383)

**CHINA** (Beijing, Guizhou, Hebei, Henan, Hubei, Shaanxi\*)

**Evidence:** morphology; 26S rDNA, *pgiC*, *rbcL*, *psbA*, *atpI*, *atpF*, *atpF-H*

**S:** *Selaginella longistrobilina* P. S. Wang, X. Y. Wang & Li Bing Zhang (P. S. Wang 75606, PYU; isotype: CDBI, MO)

## Pteridophyta 蕨类植物门

Cyatheaceae 桫欏科

*Sphaeropteris guangxiensis* Y. F. Gu & Y. H. Ya 广西白桫欏 [New Species]

**GU Yu-feng, MORIGENGAOWA, JIANG Ri-hong, LIU Bao-dong, YAN Yue-hong.** *Sphaeropteris guangxiensis* Y. F. Gu & Y. H. Yan (Cyatheaceae), a New Species of Tree Fern from Southern China. *Phytotaxa* [J] 518(1): 69-74. [E] 2021: [70]. doi: 10.11646/phytotaxa.518.1.8

**TYPE:** Morigengaowa & J. J. Luo CFH09001402 (holotype: CSH-0155370; isotype: PE); Morigengaowa & J. J. Luo CFH09001403 (paratype: CSH); Morigengaowa & J. J. Luo CFH09001404 (paratype: CSH); Morigengaowa & J. J. Luo CFH09001405 (paratype: CSH); Morigengaowa & J. J. Luo CFH09001406 (paratype: CSH)

**CHINA** (Guangxi\*)

**IUCN:** EN; **Evidence:** morphology

Dipteridaceae 双扇蕨科

*Dipteris shenzhenensis* Y. H. Yan & Z. Y. Wei 深圳双扇蕨 [New Species]

**WEI Zuo-ying, GU Yu-feng, XIA Zeng-qiang, CHEN Li-jun, WANG Ting, ZHANG Shou-zhou, ZHAO Guo-hua, CHEN Jian-bing, CAO Jian-guo, YAN Yue-hong.** *Dipteris shenzhenensis*, a New Endangered Species of Dipteridaceae from Shenzhen, Southern China. *PhytoKeys* [J] 186: 111-120. [E] 2021: [115]. doi: 10.3897/phytokeys.186.73739

**TYPE:** Y. H. Yan & al. YYH15638 (holotype: SZG; isotype: NOCC)

**CHINA** (Guangdong\*)

**IUCN:** CR; **Evidence:** morphology; *rbcL*, *atpA*, *rps4*, *rbcL-accD*, *trnG-trnR*

Dryopteridaceae 鳞毛蕨科

*Arachniodes libingii* Liang Zhang, N. T. Lu & T. T. Thanh [New Species]

**LU Ngan Thi, NGUYEN Linh Phuong, LE Chi Toan, NGUYEN Thanh Trung, ZHANG Liang.** *Arachniodes libingii* sp. nov. and *A. vietnamensis* sp. nov. (Dryopteridaceae), Two New Ferns from Southern China and Central Vietnam. *Phytotaxa* [J] 522(3): 256-262. [E] 2021: [257]. doi: 10.11646/phytotaxa.522.3.9

**TYPE:** Liang Zhang 1621 (holotype: CDBI; isotype: CDBI)

**CHINA** (Guangdong, Hainan\*)

**Evidence:** morphology

*Dryopteris lijianxiui* Xiao J. Li [New Species]

Missed as: *Dryopteris lijianxiui*

**LI Xiao-juan, WANG Xiao, LIU Wei.** *Dryopteris lijianxiui* (Dryopteridaceae), a New Species from China. *Bangladesh Journal of Botany* [J] 50(3): 747-753. [E] 2021: [747]. doi: 10.3329/bjb.v50i0.56425

**TYPE:** J. X. Li 822-1 (holotype: PE; isotype: SDCM)

**CHINA** (Shandong\*)

**Evidence:** morphology

*Dryopteris wulingshanensis* J. P. Shu, Y. H. Yan & R. J. Wang  
武陵山鳞毛蕨 [New Species]

**SHU Jiang-ping, LIU Zi-yue, GU Zhi-rong, CHEN Li-jun, WEI Hong-jin, ZHOU Xi-le, YAN Yue-hong, WANG Rui-jiang.** *Dryopteris wulingshanensis* (Dryopteridaceae), a New Species from Hunan, China. *PhytoKeys* [J] 185: 17-26. [E] 2021: [21]. doi: 10.3897/phytokeys.185.72019

**TYPE:** Y. H. Yan & Z. R. Gu YYH24468 (holotype: IBSC; isotype: NOCC, CSH, PE); X. L. Zhou & al. ZXL6320-1 (paratype: CSH); X. L. Zhou & al. ZXL6320-3 (paratype: CSH); H. J. Wei & al. JSL3926 (paratype: CSH); H. J. Wei & al. JSL3935 (paratype: CSH)

**CHINA** (Hunan\*)

**IUCN:** EN; **Evidence:** morphology; *rbcL*

*Polystichum dongchuanense* Z. L. Liang, Z. R. He & Li Bing Zhang 东川耳蕨 [New Species]

**LIANG Zhen-Long, HE Zhao-Rong, ZHANG Li-Bing.** *Polystichum dongchuanense* and *P. menglaense* (subg. *Haplopolystichum*; Dryopteridaceae), Two New Ferns from Yunnan, China. *Phytotaxa* [J] 479(1): 114-120. [E] 2021: [114]. doi: 10.11646/phytotaxa.479.1.9

**TYPE:** Z. L. Liang, L. P. Kong, H. C. Wang & Z. R. He LZL1293 (holotype: PYU; isotype: CDBI)

**CHINA** (Yunnan\*)

**IUCN:** CR; **Evidence:** morphology

*Polystichum menglaense* Z. L. Liang & Li Bing Zhang 勐腊耳蕨 [New Species]

**LIANG Zhen-Long, HE Zhao-Rong, ZHANG Li-Bing.** *Polystichum dongchuanense* and *P. menglaense* (subg. *Haplopolystichum*; Dryopteridaceae), Two New Ferns from Yunnan, China. *Phytotaxa* [J] 479(1): 114-120. [E] 2021: [117]. doi: 10.11646/phytotaxa.479.1.9

**TYPE:** Z. L. Liang & D. Wang LZL1294 (holotype: PYU; isotype: PYU)

**CHINA** (Yunnan\*)

**IUCN:** CR; **Evidence:** morphology

#### Hypodematiaceae 肿足蕨科

*Hypodematium brevipilosum* Li Bing Zhang, X. P. Fan & X. F. Gao [New Species]

**FAN Xue-ping, ZHANG Liang, GAO Xin-fen, ZHANG Li-bing.** A Revision of the *Hypodematium glabrum* Complex (Pteridophyta: Hypodematiaceae) with the Description of Four New Species. *Phytotaxa* [J] 487(2): 114-124. [E] 2021: [115]. doi: 10.11646/phytotaxa.487.2.2

**TYPE:** X. P. Fan FXP43 (holotype: CDBI)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Hypodematium eglandulosum* X. P. Fan, Liang Zhang & Li Bing Zhang [New Species]

**FAN Xue-ping, LU Ngan Thi, ZHANG Liang, ZHANG Li-bing.** *Hypodematium chrysolepis* comb. nov. from Africa and *H. eglandulosum* sp. nov. from Asia (Hypodematiaceae). *Phytotaxa* [J] 524(2): 99-106. [E] 2021: [100]. doi: 10.11646/phytotaxa.524.2.4

**TYPE:** Li Bing Zhang, Y. F. Duan & M. Kropf 9661 (holotype: CDBI)

**CHINA** (Guizhou\*)

**Evidence:** morphology

*Hypodematium parvisorum* Li Bing Zhang, X. P. Fan & X. F. Gao [New Species]

**FAN Xue-ping, ZHANG Liang, GAO Xin-fen, ZHANG Li-bing.** A Revision of the *Hypodematium glabrum* Complex (Pteridophyta: Hypodematiaceae) with the Description of Four New Species. *Phytotaxa* [J] 487(2): 114-124. [E] 2021: [117]. doi: 10.11646/phytotaxa.487.2.2

**TYPE:** X. P. Fan FXP62 (holotype: CDBI)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Hypodematium shingii* Li Bing Zhang, X. P. Fan & X. F. Gao [New Species]

**FAN Xue-ping, ZHANG Liang, KNAPP Ralf, HE Hai, GAO Xin-fen, ZHANG Li-bing.** *Hypodematium shingii* sp. nov. (Hypodematiaceae; Polypodiales): Replacing the Misapplied “*H. crenatum*”, a Widespread Fern from Asia. *Phytotaxa* [J] 482(1): 87-92. [E] 2021: [88]. doi: 10.11646/phytotaxa.482.1.10

**TYPE:** X. P. Fan FXP56 (holotype: CDBI); H. He & Y. Q. Yang H1099 (paratype: CTC); Li Bing Zhang & H. He 6090 (paratype: CDBI, CTC); Li Bing Zhang, Y. F. Duan & M. Kropf 9572 (paratype: CDBI); K. H. Shing & Q. Xia 5021 (paratype: PE); Qinghai-Tibet Exped. 11209 (paratype: PE); Liang Zhang 1410 (paratype: CDBI); R. Knapp 4166 (paratype: P); Liang Zhang 1819 (paratype: KUN); X. P. Fan FXP55 (paratype: CDBI); E. Hennipman E3196 (paratype: L); Li Bing Zhang, R. Pollawtn, Liang Zhang, P. Limpanasittichai 10572 (paratype: BCU, CDBI, KUN, MO, PYU, XTBG); T. Boonkerd & al. 2011-738 (paratype: BCU)

**CHINA** (Chongqing, Guizhou, Sichuan, Taiwan, Yunnan\*); **THAILAND**

**Evidence:** morphology

*Hypodematium subglabrum* Li Bing Zhang, X. P. Fan & X. F. Gao [New Species]

**FAN Xue-ping, ZHANG Liang, GAO Xin-fen, ZHANG Li-bing.** A Revision of the *Hypodematium glabrum* Complex (Pteridophyta: Hypodematiaceae) with the Description of Four New Species. *Phytotaxa* [J] 487(2): 114-124. [E] 2021: [120]. doi: 10.11646/phytotaxa.487.2.2

**TYPE:** X. P. Fan FXP58 (holotype: CDBI)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Hypodematium truncatum* Li Bing Zhang, X. P. Fan & X. F. Gao [New Species]

**FAN Xue-ping, ZHANG Liang, GAO Xin-fen, ZHANG Li-bing.** A Revision of the *Hypodematium glabrum* Complex (Pteridophyta: Hypodematiaceae) with the Description of Four New Species. *Phytotaxa* [J] 487(2): 114-124. [E] 2021: [123]. doi: 10.11646/phytotaxa.487.2.2

**TYPE:** X. P. Fan FXP42 (holotype: CDBI)

**CHINA** (Yunnan\*)

**Evidence:** morphology

#### Lomariopsidaceae 藤蕨科

*Lomariopsis longini* L. Y. Kuo & Yi H. Wu [New Species]

**WU Yi-hsuan, SUN Chih-yun, EBIHARA Atsushi, LU Ngan Thi, ROUHAN Germinal, KUO Li-yaung.** Two New Species in the Fern Genus *Lomariopsis* (Lomariopsidaceae) from East Asia. *PhytoKeys* [J] 187: 161-176. [E] 2021: [164]. doi: 10.3897/phytokeys.187.77035

**TYPE:** P. K. Loc 5095 (holotype: P-00888363; isotype: MO); L. B. Zhang, L. Zhang & N. T. Lu 7185 (paratype: CDBI, MO, VNMN); S. K. Wu & L. K. Phan WP897 (paratype: KUN); S. K. Wu & L. K. Phan WP1124 (paratype: KUN); Y. H. Chang 20091104-005 (paratype: TAIF); C. W. Chen Wade 983 (paratype: TAIF); L. Y. Kuo 1862 (paratype: TAIF, VNMN); Q. Wei WQ243 (paratype: KUN); S. Y. Dong 3597 (paratype: IBSC); W. M. Ju & H. C. Yan 21930 (paratype: IBK)

**CHINA** (Yunnan); **VIETNAM\***

**Evidence:** morphology; trnL-L-F, rbcL, rps4-trnS

*Lomariopsis moorei* Yi H. Wu & L. Y. Kuo [New Species]



**WU Yi-hsuan, SUN Chih-yun, EBIHARA Atsushi, LU Ngan Thi, ROUHAN Germinal, KUO Li-yaung.** Two New Species in the Fern Genus *Lomariopsis* (Lomariopsidaceae) from East Asia. *PhytoKeys* [J] 187: 161-176. [E] 2021: [167]. doi: 10.3897/phytokeys.187.77035  
**TYPE:** Y. H. Wu YX052 (holotype: TAIF; isotype: TAIF); Y. H. Wu YX053 (paratype: TAIF); Y. S. Chao 1211 (paratype: TAIF); W. H. Wu 1062 (paratype: TAIF); G. M. Zhang & D. Li 117 (paratype: PE); S. Y. Dong 1045 (paratype: PE)  
**CHINA** (Hainan, Taiwan\*)  
**Evidence:** morphology; trnL-L-F, rbcL, rps4-trnS

#### Marattiaceae 合囊蕨科

**Angiopteris sugongii** Gui L. Zhang, J. Y. Xiang & Ting Wang tris 素功莲座蕨 [New Species]  
**WANG Ting, ZHANG Gui-liang, YAN Yue-hong, SUN Da-kuan, SHU Jiang-ping, DUAN Jie-qi, ZHAO Guo-hua, ZHANG Gui-sheng, XIANG Jian-ying, WANG Kang-ling.** *Angiopteris sugongii* (Marattiaceae), a New Diploid Species with Transitional Morphology between *Angiopteris* (sen. str.) and *Archangiopteris*. *Phytotaxa* [J] 516(3): 275-282. [E] 2021: [276]. doi: 10.11646/phytotaxa.516.3.6  
**TYPE:** G. L. Zhang 2013101 (holotype: KUN-1511679; isotype: SWFC-0072410, SWFC-0072411, KUN-1511680)  
**CHINA** (Yunnan\*)  
**IUCN:** CR; **Evidence:** morphology; chromosome

#### Polypodiaceae 水龙骨科

**Selliguea wusugongii** Liang Zhang, X. P. Fan & Li Bing Zhang [New Species]  
**FAN Xue-Ping, ZHANG Lin, ZHANG Li-Bing, ZHANG Liang.** *Selliguea wusugongii* (Polypodiaceae), a New Fern Species from Southeastern Xizang, China Based on Morphological and Molecular Evidence. *Phytotaxa* [J] 480(1): 57-68. [E] 2021: [59]. doi: 10.11646/phytotaxa.480.1.5  
**TYPE:** L. Zhang 2955 (holotype: KUN-1497728; isotype: KUN, CDBI)  
**CHINA** (Xizang\*)  
**IUCN:** CR; **Evidence:** morphology; rbcL, rps4, rps4-trnS, trnL, trnL-F

#### Pteridaceae 凤尾蕨科

**Cheilanthes qiaojiaensis** Z. R. He & W. M. Chu [New Species]  
**CHU Wei-ming, ZHAO Jing, TAO Ya-di, ZHOU Xin-mao, HE Zhao-rong.** *Cheilanthes qiaojiaensis* (Cheilanthoideae, Pteridaceae), a New Fern Species from Yunnan, China. *Phytotaxa* [J] 514(3): 238-246. [E] 2021: [239]. doi: 10.11646/phytotaxa.514.3.4  
**TYPE:** Z. R. He 31301 (holotype: PYU; isotype: PYU); W. M. Chu & H. Z. Yan 24562 (paratype: PYU); Z. R. He & X. M. Zhou 1080 (paratype: PYU); X. M. Zhou, J. Zhao & J. J. Yang PYU-S-1063 (paratype: PYU)  
**CHINA** (Yunnan\*)  
**IUCN:** CR; **Evidence:** morphology; rbcL, atpB, rps4-trnS, atpA, trnL-F, trnG-R, matK

**Cheilanthes viridis** (Forssk.) Sw. 绿碎米蕨 [New Record]  
**CHANG Zhi-xiang, HSU Tian-chuan, KUO Li-yaung.** Four New Records for the Fern Flora of Taiwan. *Taiwan Journal of Biodiversity* [J] 23(4): 10-22. [C] 2021: [12].  
**TYPE:** Forsskål s.n. (holotype: ?)  
**CHINA** (Taiwan); **YEMEN**\*

**IUCN:** NA; **Evidence:** morphology

**Haplopteris centrochinensis** (Ching ex J. F. Cheng) Y. H. Yan, Z. Y. Wei & X. C. Zhang [New Combination]  
**WEI Zuo-ying, XIA Zeng-qiang, ZHANG Xian-chun, CAO Jian-cuo, YAN Yue-hong.** Finding Missing Diversity from Synonyms of *Haplopteris* (Pteridaceae). *PhytoKeys* [J] 178: 81-94. [E] 2021: [90]. doi: 10.3897/phytokeys.178.67622  
**TYPE:** H. J. Li 8394 (holotype: PE; isotype: IBSC, NAS)  
**CHINA** (Guangxi, Guizhou, Hubei\*, Hunan, Jiangxi, Zhejiang)  
**Evidence:** morphology; rbcL, atpA, matK, ndhF, trnL-trnF  
**B:** *Vittaria centrochinensis* Ching ex J. F. Cheng

**Haplopteris centrochinensis** (Ching ex J. F. Cheng) Y. H. Yan, Z. Y. Wei & X. C. Zhang [Correction]  
**WEI Zuo-ying, XIA Zeng-qiang, ZHANG Xian-chun, CAO Jian-cuo, YAN Yue-hong.** Finding Missing Diversity from Synonyms of *Haplopteris* (Pteridaceae). *PhytoKeys* [J] 178: 81-94. [E] 2021: [90]. doi: 10.3897/phytokeys.178.67622  
**TYPE:** H. J. Li 8394 (holotype: PE; isotype: IBSC, NAS)  
**CHINA** (Guangxi, Guizhou, Hubei\*, Hunan, Jiangxi, Zhejiang)  
**Evidence:** morphology; rbcL, atpA, matK, ndhF, trnL-trnF  
**A:** *Vittaria taeniophylla* sensu F. Zhang, non Copel.: Fl. Zhejiang 1: 111. 1993. p.p.; *Vittaria fudzinoi* sensu X. C. Zhang, non Makino: Fl. Rep. Poup. Sin. 3(2): 20.1999. p.p.; *Haplopteris fudzinoi* sensu X. C. Zhang & Gilbert, non (Makino) E. H. Crane: Fl. China 2(3): 254. 2013. p.p.

**Pteris austrotaiwanensis** Y. S. Chao 南台湾凤尾蕨 [New Species]  
**CHAO Yi-shan, CHIOU Wen-liang, EBIHARA Atsushi, HSU Tian-chuan, CHANG Yi-han, LIN Chien-yu.** Taxonomic and Nomenclatural Novelties in the *Pteris fauriei* Group (Pteridaceae). *Taiwania* [J] 66(3): 307-316. [E] 2021: [313]. doi: 10.6165/tai.2021.66.307  
**TYPE:** Y. S. Chao 3255 (holotype: TAIF-535166; isotype: TAIF-535167)  
**CHINA** (Taiwan\*)  
**Evidence:** morphology; rbcL, matK

**Pteris fauriei** Hieron. var. *chinensis* Ching & S. H. Wu 百越凤尾蕨 [Typification]  
**CHAO Yi-shan, CHIOU Wen-liang, EBIHARA Atsushi, HSU Tian-chuan, CHANG Yi-han, LIN Chien-yu.** Taxonomic and Nomenclatural Novelties in the *Pteris fauriei* Group (Pteridaceae). *Taiwania* [J] 66(3): 307-316. [E] 2021: [313]. doi: 10.6165/tai.2021.66.307  
**TYPE:** C. Wang 31659 (lectotype: PE-00049447; isolectotype: PE-00049448)  
**CHINA** (Guangdong\*)  
**Evidence:** morphology; rbcL, matK

**Pteris latipinna** Y. S. Chao & W. L. Chiou 宽羽凤尾蕨 [New Synonyms]  
**CHAO Yi-shan, CHIOU Wen-liang, EBIHARA Atsushi, HSU Tian-chuan, CHANG Yi-han, LIN Chien-yu.** Taxonomic and Nomenclatural Novelties in the *Pteris fauriei* Group (Pteridaceae). *Taiwania* [J] 66(3): 307-316. [E] 2021: [313]. doi: 10.6165/tai.2021.66.307  
**TYPE:** Y. S. Chao 2092 (holotype: TAIF-513634; isotype: TAIF-513635, TAIF-513636, TNS)  
**CHINA** (Taiwan\*); **VIETNAM**

**Evidence:** morphology; rbcL, matK

**S:** *Pteris fauriei* Hieron. var. *chinensis* Ching & S. H. Wu (C. Wang 31659, lectotype: PE-00049447; isolectotype: PE-00049448)

*Pteris minor* (Hieron.) Y. S. Chao 海岸凤尾蕨 [New Combination]

**CHAO Yi-shan, CHIOU Wen-liang, EBIHARA Atsushi, HSU Tian-chuan, CHANG Yi-han, LIN Chien-yu.** Taxonomic and Nomenclatural Novelties in the *Pteris fauriei* Group (Pteridaceae). *Taiwania* [J] 66(3): 307-316. [E] 2021: [314]. doi: 10.6165/tai.2021.66.307

**TYPE:** U. Faurie 685 (lectotype: B-20 0128121; isolectotype: P-00608401, P-00608402, P-00608403, TI)

**CHINA** (Taiwan\*); **JAPAN**

**Evidence:** morphology; rbcL, matK

**B:** *Pteris fauriei* Hieron. var. *minor* Hieron.

*Pteris pseudowulaiensis* Y. S. Chao 拟乌来凤尾蕨 [New Species]

**CHAO Yi-shan, CHIOU Wen-liang, EBIHARA Atsushi, HSU Tian-chuan, CHANG Yi-han, LIN Chien-yu.** Taxonomic and Nomenclatural Novelties in the *Pteris fauriei* Group (Pteridaceae). *Taiwania* [J] 66(3): 307-316. [E] 2021: [314]. doi: 10.6165/tai.2021.66.307

**TYPE:** T. C. Hsu 8437 (holotype: TAIF-497137; isotype: TAIF-497138)

**CHINA** (Guangdong, Guangxi, Guizhou, Fujian, Taiwan\*)

**IUCN:** LC; **Evidence:** morphology; rbcL, matK

#### **Thelypteridaceae 金星蕨科**

*Abacopteris gracilis* (Ching ex Y. X. Lin) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [23].

**CHINA** (Yunnan)

**Evidence:** morphology

**B:** *Pronephrium gracile* Ching ex Y. X. Lin

*Abacopteris hekouensis* (Ching ex Y. X. Lin) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [23].

**CHINA** (Yunnan)

**Evidence:** morphology

**B:** *Pronephrium hekouense* Ching ex Y. X. Lin

*Abacopteris hirtisora* (C. Chr.) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [23].

**CHINA** (Guangxi, Yunnan)

**Evidence:** morphology

**B:** *Dryopteris hirtisora* C. Chr.

*Abacopteris macrophylla* (Ching ex Y. X. Lin) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [23].

**CHINA** (Guangxi, Yunnan)

**Evidence:** morphology

**B:** *Pronephrium macrophyllum* Ching ex Y. X. Lin

*Abacopteris nudata* (Roxb.) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [23].

**CHINA** (Guizhou, Xizang, Yunnan)

**Evidence:** morphology

**B:** *Polypodium nudatum* Roxb.

*Abacopteris setosa* (Y. X. Lin) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [23].

**CHINA** (Yunnan)

**Evidence:** morphology

**B:** *Pronephrium setosum* Y. X. Lin

*Abacopteris yunguiensis* (Ching ex Y. X. Lin) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [23].

**CHINA** (Guizhou, Yunnan)

**Evidence:** morphology

**B:** *Pronephrium yunguiensis* Ching ex Y. X. Lin

*Amauropelta cystopteroides* (D. C. Eaton) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [28].

**CHINA** (Fujian, Taiwan)

**Evidence:** morphology

**B:** *Athyrium cystopteroides* D. C. Eaton

*Amauropelta grammitoides* (Christ) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [28].

**CHINA** (Taiwan)

**Evidence:** morphology

**B:** *Aspidium grammitoides* Christ

*Amauropelta serrulata* (Ching) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [28].

**CHINA** (Sichuan)

**Evidence:** morphology

**B:** *Thelypteris serrulata* Ching

***Christella jinhongensis*** (Ching) A. R. Sm. & S. E. Fawc. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [35].

CHINA (Yunnan)

Evidence: morphology

B: *Cyclosorus jinhongensis* Ching

***Christella nanxiensis*** (Ching) A. R. Sm. & S. E. Fawc. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [35].

CHINA (Yunnan)

Evidence: morphology

B: *Cyclosorus nanxiensis* Ching

***Christella shimenensis*** (K. H. Shing & C. M. Zhang) A. R. Sm. & S. E. Fawc. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [35].

CHINA (Hunan)

Evidence: morphology

B: *Cyclosorus shimenensis* K. H. Shing & C. M. Zhang

***Christella subacuta*** (Ching) A. R. Sm. & S. E. Fawc. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [35].

CHINA (Fujian)

Evidence: morphology

B: *Cyclosorus subacutus* Ching

***Christella wulingshanensis*** (C. M. Zhang) A. R. Sm. & S. E. Fawc. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [35].

CHINA (Hunan)

Evidence: morphology

B: *Thelypteris wulingshanensis* (C. M. Zhang) Christenh.

***Coryphopteris caudata*** (Ching ex K. H. Shing) S. E. Fawc. & A. R. Sm. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [38].

CHINA (Yunnan)

Evidence: morphology

B: *Parathelypteris caudata* Ching ex K. H. Shing

***Coryphopteris chinensis*** (Ching) S. E. Fawc. & A. R. Sm. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [38].

CHINA (Anhui)

Evidence: morphology

B: *Thelypteris chinensis* Ching

***Coryphopteris chingii*** (K. H. Shing & J. F. Cheng) S. E. Fawc. & A. R. Sm. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [38].

CHINA (Fujian, Jiangxi)

Evidence: morphology

B: *Parathelypteris chingii* K. H. Shing & J. F. Cheng

***Coryphopteris indochinensis*** (Christ) S. E. Fawc. & A. R. Sm. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [38].

CHINA (Yunnan); VIETNAM

Evidence: morphology

B: *Dryopteris indochinensis* Christ

***Coryphopteris nigrescens*** (Ching ex K. H. Shing) S. E. Fawc. & A. R. Sm. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [38].

CHINA (Yunnan)

Evidence: morphology

B: *Parathelypteris nigrescens* Ching ex K. H. Shing

***Coryphopteris nipponica*** (Franch. & Sav.) S. E. Fawc. & A. R. Sm. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [38].

CHINA (Fujian, Gansu, Guangxi, Guizhou, Henan, Hubei, Hunan, Jiangsu, Jiangxi, Shaanxi, Shandong, Sichuan, Yunnan, Zhejiang); JAPAN, NEPAL

Evidence: morphology

B: *Aspidium nipponicum* Franch. & Sav.

***Coryphopteris pauciloba*** (Ching ex K. H. Shing) S. E. Fawc. & A. R. Sm. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [39].

CHINA (Fujian)

Evidence: morphology

B: *Parathelypteris pauciloba* Ching ex K. H. Shing

***Coryphopteris trichochlamys*** (Ching ex K. H. Shing) S. E. Fawc. & A. R. Sm. [New Combination]

FAWCETT Susan, SMITH Alan R. A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [39].

CHINA (Guangdong)

Evidence: morphology

B: *Parathelypteris trichochlamys* Ching ex K. H. Shing

***Cyclosorus guangxiense*** L. Z. Tang & J. C. An 广西毛蕨 [New Species]

TANG Zhen-lang, TANG Li-ming, HE Ying-hui, AN Jia-cheng. *Cyclosorus guangxiense*, a New Species of Thelypteridaceae from Guangxi, China. *Guangxi Forestry*

*Science* [J] 50(1): 107-110. [C] 2021: [107]. doi: 10.19692/j.cnki.gfs.2021.01.019

**TYPE:** R. H. Jiang JRH10404 (holotype: IBK)

**CHINA** (Guangxi\*)

**IUCN:** LC; **Evidence:** morphology

***Grypothrix cuspidata*** (Blume) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [47].

**CHINA** (Taiwan); JAPAN, MALAYSIA

**Evidence:** morphology

**B:** *Meniscium cuspidatum* Blume

***Grypothrix longipetiolata*** (K. Iwats.) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [47].

**CHINA** (Taiwan)

**Evidence:** morphology

**B:** *Abacopteris longipetiolata* K. Iwats.

***Grypothrix megacuspis*** (Baker) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [47].

**CHINA** (Guangdong, Guangxi, Jiangxi, Taiwan, Yunnan)

**Evidence:** morphology

**B:** *Polypodium megacuspis* Baker

***Grypothrix simplex*** (Hook.) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [48].

**CHINA** (Fujian, Guangdong, Hainan, Taiwan, Yunnan)

**Evidence:** morphology

**B:** *Meniscium simplex* Hook.

***Grypothrix triphylla*** (Sw.) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [48].

**CHINA** (Fujian, Guangdong, Guangxi, Taiwan, Yunnan)

**Evidence:** morphology

**B:** *Meniscium triphyllum* Sw.

***Menisciopsis*** (Holtum) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [52].

**TYPE:** *Dryopteris lakhimpurensis* Rosenst.

**Evidence:** morphology

**B:** *Pronephrium* sect. *Menisciopsis* Holtum

***Menisciopsis penangiana*** (Hook.) S. E. Fawc. & A. R. Sm. [New Combination]

**FAWCETT Susan, SMITH Alan R.** A Generic Classification of the Thelypteridaceae. *SIDA, Botanical Miscellany Series* [J] 59: 1-112. [E] 2021: [53].

**CHINA** (Guangdong, Guangxi, Guizhou, Henan, Hubei, Hunan, Jiangxi, Sichuan, Zhejiang)

**Evidence:** morphology

**B:** *Polypodium penangianum* Hook.

***Phegopteris taiwaniana*** T. Fujiw., Ogiso & Seriz. [New Species]

**FUJIWARA Tao, OGISO Junki, ISHII Sousuke, TOGO Kei, NAKATO Narumi, SERIZAWA Shunsuke, CHAO Yi-shan, IM Hyoung-tak, EBIHARA Atsushi, WATANO Yasuyuki.** Species Delimitation in the *Phegopteris decursivopinnata* Polyploid Species Complex (Thelypteridaceae). *Acta Phytotaxonomica & Geobotanica* [J] 72(3): 205-226. [E] 2021: [221]. doi: 10.18942/apg.202102

**TYPE:** Y. S. Chao 2822 (holotype: TAIIF; isotype: TNS)

**CHINA** (Taiwan\*); JAPAN

**Evidence:** morphology; rbcL, PgiC; Chromosome

## Gymnospermae 裸子植物门

### Cupressaceae 柏科

***Chamaecyparis hodginsii*** (Dunn) Rushforth [Typification]

**YANG Zhi, YANG Yong, RUSHFORTH Keith.** Lectotypification of *Chamaecyparis hodginsii* of the Cupressaceae. *PhytoKeys* [J] 185: 117-122. [E] 2021: [120]. doi: 10.3897/phytokeys.185.75796

**TYPE:** A.E.N. Hodgins 3505 (lectotype: K-000088294 isolectotype: IBSC-0016081, A-00022477)

**CHINA** (Chongqing, Fujian\*, Guangdong, Guangxi, Guizhou, Hunan, Jiangxi, Sichuan, Yunnan, Zhejiang); LAOS, VIETNAM

**Evidence:** morphology

***Cupressus rushforthii*** Maerki & J. Hoch [New Species]

**MAERKI D., HOCH J.** *Cupressus rushforthii*, a New Cypress Species in Xizang, China, with an introduction on the Chinese

Cypresses and a Survey of *C. austrotibetica*. *Bulletin of the Cupressus Conservation Project* [J] 10(2): 55-89. [E] 2021: [57].

**TYPE:** T. Baxter s.n. (holotype: LIV-2005152873)

**CHINA** (Xizang\*)

**Evidence:** morphology

### Cycadaceae 苏铁科

***Cycas szechuanensis*** W. C. Cheng & L. K. Fu [New Synonyms]

**FENG Xiu-yan, WANG Xin-hui, CHIANG Yu-chung, JIAN Shu-guang, GONG Xun.** Species Delimitation with Distinct Methods Based on Molecular Data to Elucidate Species Boundaries in the *Cycas taiwaniana* Complex (Cycadaceae). *Taxon* [J] 70(3): 477-491. [E] 2021: [489]. doi: 10.1002/tax.12457

**TYPE:** J. H. Xiong & al. 33221 (holotype: PE-00000071)

**CHINA** (Fujian, Guangdong, Sichuan [clut.]\*)  
**Evidence:** morphology; atpB-rbcL, psbA-trnH, psbM-trnD, trnS-trnG, AC5, PHYP, PPRC, AAT  
**S:** *Cycas fairylakea* D. Yue Wang (D. Yue Wang & H. Peng 2978, holotype: SZG)

*Cycas taiwaniana* Carruth. [New Synonyms]  
**FENG Xiu-yan, WANG Xin-hui, CHIANG Yu-chung, JIAN Shu-guang, GONG Xun.** Species Delimitation with Distinct Methods Based on Molecular Data to Elucidate Species Boundaries in the *Cycas taiwaniana* Complex (Cycadaceae). *Taxon* [J] 70(3): 477-491. [E] 2021: [487]. doi: 10.1002/tax.12457  
**TYPE:** Swinhoe s.n. (holotype: BM-000630452)  
**CHINA** (Fujian\*, Hainan)  
**Evidence:** morphology; atpB-rbcL, psbA-trnH, psbM-trnD, trnS-trnG, AC5, PHYP, PPRC, AAT  
**S:** *Cycas hainanensis* C. J. Chen (Zhongyi 4706, holotype: PE); *Cycas changjiangensis* N. Liu (N. Liu 97002, holotype: IBSC); *Cycas lingshuigensis* G. A. Fu (G.A. Fu 10809, holotype: HFB)

#### Ephedraceae 麻黄科

*Ephedra chengiae* Y. Yang & D. K. Ferguson 诚氏麻黄 [New Species]  
**YANG Yong, FERGUSON David K.** *Ephedra chengiae* (Ephedraceae), a New Species from Xizang of China. *Taiwania* [J] 66(1): 57-60. [E] 2021: [57]. doi: 10.6165/tai.2021.66.57

**TYPE:** PE Xizang Exped. 3700 (holotype: PE-02345113; isotype: PE-02345114, PE-02345115)  
**CHINA** (Xizang\*)  
**IUCN:** DD; **Evidence:** morphology

*Ephedra chengiae* Y. Yang & D. K. Ferguson var. *spinosa* Y. Yang & D. K. Ferguson 刺枝麻黄 [New Variety]  
**YANG Yong, FERGUSON David K.** *Ephedra chengiae* (Ephedraceae), a New Species from Xizang of China. *Taiwania* [J] 66(1): 57-60. [E] 2021: [59]. doi: 10.6165/tai.2021.66.57  
**TYPE:** PE Xizang Exped. 6702 (holotype: PE-02333692; isotype: PE-02345119, PE-02345120)  
**CHINA** (Xizang\*)  
**IUCN:** DD; **Evidence:** morphology

#### Pinaceae 松科

*Tsuga longibracteata* W. C. Cheng [Typification]  
**YANG Yong, RUSHFORTH Keith.** Lectotypification of *Tsuga longibracteata* W. C. Cheng (Pinaceae). *PhytoKeys* [J] 172: 93-96. [E] 2021: [94]. doi: 10.3897/phytokeys.172.62450  
**TYPE:** Y. Tsiang 7712 (lectotype: PE-00003223; isolectotype: A-00052508, A-00052510, E-00215871, IBSC-0012857, K-000288277, NAS-00070063, NAS-00070064, NY-00001279, PE-00003225, PE-00003224, S-C-4796)  
**CHINA** (Guizhou\*)  
**Evidence:** morphology

## Angiospermae 被子植物门

#### Acanthaceae 爵床科

*Strobilanthes tubiflos* (C. B. Clarke) J. R. I. Wood [Rediscovery]  
**WOOD John R. I., BORAH Dipankar, TARAM Momang.** The Rediscovery of *Strobilanthes tubiflos* (Acanthaceae) in North East India. *Kew Bulletin* [J] 76(2): 333-338. [E] 2021: [333]. doi: 10.1007/S12225-021-09969-W  
**TYPE:** Griffith 6095 (lectotype: K-000883127)  
**CHINA** (Xizang\*)  
**IUCN:** VU; **Evidence:** morphology

#### Adoxaceae 五福花科

*Viburnum chunii* P. S. Hsu f. *album* G. Y. Li & H. L. Lin 白花金腺荚蒾 [New Form]  
**LI Gen-you, LI Xiu-peng, CHEN Zheng-hai, MA Dan-dan, LIN Hai-lun.** New Taxa of Seed Plants from Ningbo, Zhejiang Province. *Botanical Research in Ningbo* [B]: 340-345. [C] 2021: [344].  
**TYPE:** H. L. Lin LHL2014032 (holotype: ZJFC)  
**CHINA** (Zhejiang\*)  
**Evidence:** morphology

#### Amaranthaceae 苋科

*Atriplex pallida* (Moq.) Sukhor. 灰滨藜 [New Record]  
**HU Fan-bin, XIN Yue, GUO Ke, ZHAO Li-qing.** Seven Newly Recorded Species from Xizang and Xinjiang in China. *Biodiversity Science* [J] 29(9): 1265-1270. [C] 2021: [1266]. doi: 10.17520/biods.2021181  
**CHINA** (Xizang); INDIA  
**Evidence:** morphology

*Blitum litwinowii* (Paulsen) S. Fuentes, Uotila & Borsch 类球花藜 [New Record]  
**HU Fan-bin, XIN Yue, GUO Ke, ZHAO Li-qing.** Seven Newly Recorded Species from Xizang and Xinjiang in China. *Biodiversity Science* [J] 29(9): 1265-1270. [C] 2021: [1266]. doi: 10.17520/biods.2021181  
**CHINA** (Xizang); INDIA  
**Evidence:** morphology

*Chenopodium atripliciforme* Murr 滨藜状藜 [New Record]  
**HU Fan-bin, XIN Yue, GUO Ke, ZHAO Li-qing.** Seven Newly Recorded Species from Xizang and Xinjiang in China. *Biodiversity Science* [J] 29(9): 1265-1270. [C] 2021: [1267]. doi: 10.17520/biods.2021181  
**CHINA** (Xizang); INDIA  
**Evidence:** morphology

#### Amaryllidaceae 石蒜科

*Allium carolinianum* Redouté [Typification]  
**SHARMA Damini, DWIVEDI Mayank D., UPADHYAY Kusum, PANDEY Arun K.** Typification of *Allium carolinianum* (Amaryllidaceae). *Kew Bulletin* [J] 76(3): 557-563. [E] 2021: [560]. doi: 10.1007/S12225-021-09969-W  
**TYPE:** Illustration by Redouté in *Liliac.* 2: 101 t.4. 1804 (lectotype: [Fig.])  
**CHINA** (Xinjiang, Xizang); AFGHANISTAN, INDIA, KAZAKHSTAN, KYRGYZSTAN, NEPAL, PAKISTAN, TAJIKISTAN, UZBEKISTAN

**Evidence:** morphology

*Allium rhabdotum* Stearn 黑脉葱 [New Record]

**YANG Yu-chang, MA Xin-tang, ZHENG Hai-lei, ZHANG Xie-yong, YANG Fu-sheng, CHEN Zhi-duan.** The Emended Type Locality and Supplementary Information of *Allium rhabdotum* Stearn (Amaryllidaceae). *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(5): 894-898. [C] 2021: [895]. doi: 10.7606/j.issn.1000-4025.2021.05.0894

**TYPE:** F. Ludlow, G. Sherriff & J. H. Hicks 21442 (holotype: BM-000958335; isotype: E-00393344, E-00393345)

**CHINA** (Xizang\*); **BHUTAN**

**IUCN:** LC; **Evidence:** morphology

*Allium yingshanense* D. Q. Huang, A. G. Zhen & X. X. Zhu 崖韭 [New Species]

**HUANG De-qing, ZHEN Ai-guo, ZHU Xin-xin.** *Allium yingshanense*, a New Species from the Dabie Mountains (East-Central China), and Taxonomic Remarks on the Related Species. *Phytotaxa* [J] 498(4): 227-241. [E] 2021: [230]. doi: 10.11646/phytotaxa.498.4.1

**TYPE:** X. X. Zhu ZhuXX059 (holotype: KUN; isotype: KUN, CSH); D. Q. Huang H2018100106 (paratype: IBK, GLMC); X. X. Zhu, J. Wang & M. H. Wang ZXX202619 (paratype: KUN, HIB); X. X. Zhu, J. Wang & M. H. Wang ZXX202034 (paratype: KUN, HIB); X. X. Zhu, J. Wang & M. H. Wang ZXX202098 (paratype: KUN)

**CHINA** (Hubei\*)

**Evidence:** morphology; ITS

*Lycoris wulingensis* S. Y. Zhang 武陵石蒜 [New Species]

**ZHANG Si-yu, HUANG Ying, ZHANG Pei, ZHU Ke-run, CHEN Yong-bing, SHAO Jian-wen.** *Lycoris wulingensis*, a Dwarf New Species of Amaryllidaceae from Hunan, China. *PhytoKeys* [J] 177: 1-9. [E] 2021: [3]. doi: 10.3897/phytokeys.177.62741

**TYPE:** S. Y. Zhang ZSY202008001 (holotype: ANUB; isotype: PE, KUN)

**CHINA** (Hunan\*)

**IUCN:** DD; **Evidence:** morphology

*Shoubiaonia* W. H. Qin, W. Q. Meng & Kun Liu 守标蒜属 [New Genus]

**QIN Wei-hua, MENG Wei-qi, ZHANG Dong, WANG Ying, LI Zhong-lin, SUN Lu, LIU Kun.** A New Amaryllidaceae Genus, *Shoubiaonia*, from Yunnan Province, China. *Nordic Journal of Botany* [J] 39(e02703): 1-8. [E] 2021: [7]. doi: 10.1111/njb.02703

**TYPE:** *Shoubiaonia yunnanensis* W. H. Qin, W. Q. Meng & Kun Liu

**Evidence:** morphology; nrITS, matK, rbcL; chromosome

*Shoubiaonia yunnanensis* W. H. Qin, W. Q. Meng & Kun Liu 云南守标蒜 [New Species]

**QIN Wei-hua, MENG Wei-qi, ZHANG Dong, WANG Ying, LI Zhong-lin, SUN Lu, LIU Kun.** A New Amaryllidaceae Genus, *Shoubiaonia*, from Yunnan Province, China. *Nordic Journal of Botany* [J] 39(e02703): 1-8. [E] 2021: [7]. doi: 10.1111/njb.02703

**TYPE:** W. H. Qin & K. Liu 2017027 (holotype: ANUB); W. H. Qin & K. Liu 2017034 (paratype: ANUB, KUN)

**CHINA** (Yunnan\*)

**IUCN:** EN; **Evidence:** morphology; nrITS, matK, rbcL; chromosome

Anacardiaceae 漆树科

*Spondias pinnata* (L. f.) Kurz [New Synonym]

**LE Chi-toan, LIN Qin-wen, TAN Yun-hong, ZHU Ren-bin, HAO Yun-qing, LIU Bing.** The Identity of *Buchanania yunnanensis*, as a New Synonym of *Spondias pinnata* (Anacardiaceae). *Phytotaxa* [J] 528(3): 209-214. [E] 2021: [213]. doi: 10.11646/phytotaxa.528.3.5

**TYPE:** J. G. König s.n. (holotype: C-1000527)

**CHINA** (Yunnan); **INDIA\***

**Evidence:** morphology

**S:** *Buchanania yunnanensis* C. Y. Wu (Sino-Russian Yunnan Exped. 9019, holotype: KUN-568378; isotype: KUN-568379, PE-2245945)

Annonaceae 番荔枝科

*Artabotrys pachypetalus* B. Xue & Junhao Chen 厚瓣鹰爪花 [New Species]

**XUE Bin-e, WANG Gang-tao, ZHOU Xin-xin, HUANG Yi, TONG Yi, LI Yong-quan, CHEN Junhao.** *Artabotrys pachypetalus* (Annonaceae), a New Species from China. *PhytoKeys* [J] 178: 71-80. [E] 2021: [73]. doi: 10.3897/phytokeys.178.64485

**TYPE:** X. X. Zhou, G. T. Wang & Y. N. Guo 0028 (holotype: IBSC-0861926; isotype: KUN, SING); Y. Huang 341 (paratype: IBSC, SING); B. Xue XB342 (paratype: IBSC, SING); B. Xue XB343 (paratype: IBSC, SING); S. K. Lau 29060 (paratype: IBSC, PE); L. Wu & Y. Tong 3234 (paratype: BNU); B. Y. Huang, X. Y. Hu & J. J. Yao 451223130331025LY (paratype: GXMG); C. Z. Gao & A. Y. Lan 61263 (paratype: GXMI); D. Fang & al. 25102 (paratype: GXMI); J. Q. Zhang 1144 (paratype: CCNU, GF, GZAC); R. B. Jiang 81-0080 (paratype: GF, IBSC); R. B. Jiang 80 (paratype: CCNU); M. Z. Yang 810247 (paratype: HGAS); Y. K. Li 10039 (paratype: IBSC); Y. K. Li 10462 (paratype: HGAS); Z. R. Xu L1224 (paratype: IBSC); K. M. Lan 840097 (paratype: GFS, GZAC); K. M. Lan 841268 (paratype: GFS, GZAC); Q. W. Sun 0505019 (paratype: GZTM); C. Z. Dang & P. Dang 156 (paratype: PE); s.coll. 77-1635 (paratype: HGAS); Z. Y. Cao 0575 (paratype: PE); s.coll. 77-1594 (paratype: HGAS); C. Z. Dang 030 (paratype: HGAS); S. H. Chun 2490 (paratype: IBSC, IBK); J. Y. Xu, L. X. Yuan, Y. R. Wang, J. R. Chen JLS-304 (paratype: SYS); Group-236 0852 (paratype: PE)

**CHINA** (Guangdong\*, Guangxi, Guizhou, Hunan, Jiangxi)

**Evidence:** morphology

*Meiogyne oligocarpa* B. Xue & Y. H. Tan [New Species]

**XUE Bin-e, SHAO Yun-yun, XIAO Chun-fen, LIU Ming-fai, LI Yong-quan, TAN Yun-hong.** *Meiogyne oligocarpa* (Annonaceae), a New Species from Yunnan, China. *PeerJ* [J] 9(e10999): 1-17. [E] 2021: [6]. doi: 10.7717/peerj.10999

**TYPE:** C. F. Xiao C400733 (holotype: HITBC; isotype: IBSC); Ge-jiu Forestry Bureau Exped. 94111 (paratype: KUN); W. Q. Xiao C400431 (paratype: HITBC); W. Q. Xiao C400583 (paratype: HITBC); Y. Y. Shao SYY26 (paratype: IBSC); Y. Y. Shao SYY27 (paratype: IBSC); Y. Y. Shao SYY28 (paratype: IBSC, HKU); Y. H. Tan & H. B. Ding XTBG0007 (paratype: HITBC); B. Yang XTBG0104 (paratype: HITBC); B. Yang XTBG0181 (paratype: HITBC)

**CHINA** (Yunnan\*)

**Evidence:** morphology; matK, trnL-F, ndhF-rpl32

*Monoon fragrans* (Dalzell) B. Xue & R. M. K. Saunders  
[Excluded from China]

**XUE Bin-e, NURMAWATI Subekti, XU Yuan, LI Yong-quan.** Excluding the Species *Monoon fragrans* (Annonaceae) from the Flora of China. *Phytotaxa* [J] 487(1): 91-96. [E] 2021: [92]. doi: 10.11646/phytotaxa.487.1.8

**TYPE:** N. A. Dalzell s.n. (lectotype: K-000691484)

**INDIA\***

**Evidence:** morphology

*Pseuduvaria kwangtungensis* (P. T. Li) Qing L. Wang & B. Xue  
[New Combination]

**WANG Qing-long, ZHANG Hui, SHAO Yun-yun, WANG Zhu-nian, XUE Bin-e.** A Second Species of *Pseuduvaria* in China: the Identity of the Enigmatic Species *Meiogyne kwangtungensis*. *PhytoKeys* [J] 172: 1-15. [E] 2021: [5]. doi: 10.3897/phytokeys.172.61025

**TYPE:** F. C. How 73305 (holotype: IBSC-0003357; isotype: A-00066602, IBK-00190122, SN)

**CHINA** (Hainan\*)

**IUCN:** CR; **Evidence:** morphology; psbA-trnH, trnL-F, matK, rbcL, atpB-rbcL

**B:** *Meiogyne kwangtungensis* P. T. Li

*Trivalvaria tomentosa* B. Xue, Y. H. Tan & Y. S. Chen 绒毛海  
岛木 [New Species]

**XUE Bin-e, LI Jian-wu, LIAO Jun-jie, MO Ming-zhong, TAN Yun-hong, CHEN You-sheng.** *Trivalvaria tomentosa* (Annonaceae), a New Species from Southeast Yunnan, China. *Nordic Journal of Botany* [J] 39(e03215): 1-8. [E] 2021: [4]. doi: 10.1111/njb.03215

**TYPE:** Y. S. Chen PB-1048 (holotype: IBSC); J. W. Li 5653 (paratype: HITBC); K. H. Cai 213, 370 (paratype: KUN, PE, SWFC); P. Y. Mao 5362 (paratype: KUN, PE); S. J. Xuan 00110 (paratype: KUN, HITBC); Y. M. Shui, W. H. Chen, J. S. Shen 31211 (paratype: KUN); Y. S. Chen PB-1088 (paratype: IBSC); H. Zhu, H. Wang & B.G. Li 48704 (paratype: HITBC); Yunnan Exped. s.n. (paratype: PE-01187334, PE-01187335)

**CHINA** (Yunnan\*)

**Evidence:** morphology; matK, ndhF, psbA-trnH, rbcL, trnL-F

#### Apiaceae 伞形科

*Cyclorhiza puana* Jing Zhou & Zhen W. Liu 炉霍环根芹 [New Species]

**ZHOU Jing, NIU Jun-mei, WANG Xin-yue, WANG Pei, GUO Ming-jia, LIU Zhen-wen.** *Cyclorhiza puana* (Apiaceae), a New Species from Sichuan, China. *PhytoKeys* [J] 182: 57-66. [E] 2021: [59]. doi: 10.3897/phytokeys.182.67009

**TYPE:** J. Zhou, Z. W. Liu & Y. Z. Gao LZ201606120 (holotype: KUN-1519999; isotype: KUN); X. X. Zhu, B. Chen, B. Shen & Y. G. Song CSH06561 (paratype: CSH-0037273)

**CHINA** (Sichuan\*)

**IUCN:** DD; **Evidence:** morphology; ITS

*Pterocyclus* Klotzsch [New Recognition]

**ZHOU Jing, WEI Jin, NIU Jun-mei, LIU Xiao-li, LIU Zhen-wen.** Molecular Phylogenetics of *Pterocyclus* (Apiaceae) Based on nrDNA ITS Sequences: Revised Circumscription with a Restored Species. *Phytotaxa* [J] 498(2): 131-138. [E] 2021: [5]. doi: 10.11646/phytotaxa.498.2.6

**TYPE:** *Pterocyclus angelicoides* (Wall. ex DC.) Klotzsch

**Evidence:** morphology; ITS

**S:** *Hymenolaena* Wall. ex DC.; *Pleurospermum* Hoffm.

*Pterocyclus angelicoides* (Wall. ex DC.) Klotzsch [New Recognition]

**ZHOU Jing, WEI Jin, NIU Jun-mei, LIU Xiao-li, LIU Zhen-wen.** Molecular Phylogenetics of *Pterocyclus* (Apiaceae) Based on nrDNA ITS Sequences: Revised Circumscription with a Restored Species. *Phytotaxa* [J] 498(2): 131-138. [E] 2021: [6]. doi: 10.11646/phytotaxa.498.2.6

**TYPE:** N. Wallich 548 (lectotype: G-DC; isolectotype: BM, CAL, E- 00000207, G, K- 000685357, K-000685358, LE)

**CHINA** (Sichuan, Xizang, Yunnan); **INDIA\***

**Evidence:** morphology; ITS

**S:** *Hymenolaena angelicoides* Wall. ex DC.; *Pleurospermum angelicoides* (Wall. ex DC.) Benth. ex C. B. Clarke

*Pterocyclus forrestii* (Diels) Pimenov & Kljuykov [New Recognition]

**ZHOU Jing, WEI Jin, NIU Jun-mei, LIU Xiao-li, LIU Zhen-wen.** Molecular Phylogenetics of *Pterocyclus* (Apiaceae) Based on nrDNA ITS Sequences: Revised Circumscription with a Restored Species. *Phytotaxa* [J] 498(2): 131-138. [E] 2021: [6]. doi: 10.11646/phytotaxa.498.2.6

**TYPE:** G. Forrest 2580 (lectotype: E- 00000166; isolectotype: K)

**CHINA** (Yunnan\*)

**Evidence:** morphology; ITS

**S:** *Angelica forrestii* Diels

*Pterocyclus rotundatus* (DC.) Pimenov & Kljuykov [New Recognition]

**ZHOU Jing, WEI Jin, NIU Jun-mei, LIU Xiao-li, LIU Zhen-wen.** Molecular Phylogenetics of *Pterocyclus* (Apiaceae) Based on nrDNA ITS Sequences: Revised Circumscription with a Restored Species. *Phytotaxa* [J] 498(2): 131-138. [E] 2021: [6]. doi: 10.11646/phytotaxa.498.2.6

**TYPE:** N. Wallich 549 (holotype G-DC; isotype: K-000685356, CAL, LE)

**CHINA** (Xizang); **NEPAL\***

**Evidence:** morphology; ITS

**S:** *Hymenolaena rotundata* DC.; *Pleurospermum rotundatum* (DC.) Benth. ex C. B. Clarke

*Pterocyclus wolffianus* Fedde ex H. Wolff [New Recognition]

**ZHOU Jing, WEI Jin, NIU Jun-mei, LIU Xiao-li, LIU Zhen-wen.** Molecular Phylogenetics of *Pterocyclus* (Apiaceae) Based on nrDNA ITS Sequences: Revised Circumscription with a Restored Species. *Phytotaxa* [J] 498(2): 131-138. [E] 2021: [6]. doi: 10.11646/phytotaxa.498.2.6

**TYPE:** G. Forrest 8958 (lectotype: E- 00000149; isolectotype: K- 000685360, NAS)

**CHINA** (Yunnan\*)

**Evidence:** morphology; ITS

**S:** *Pleurospermum longicarpum* R. H. Shan & Z. H. Pan

*Similisinocarum* Cauwet & Farille [New Recognition]

**GUO Xian-lin, PRICE Megan, GOU Wei, ZHOU Song-dong, GAO Xin-fen, HE Xing-jin.** Resurrection of the Genus *Similisinocarum* (Apiaceae) Based on Evidence from Morphology and ITS Sequences. *Phytotaxa* [J] 497(2): 127-137. [E] 2021: [135]. doi: 10.11646/phytotaxa.497.2.5

**TYPE:** *Similisinocarum normanianum* Cauwet & Farille

**Evidence:** morphology; ITS

**S:** *Sinocarum* H. Wolff ex R. H. Shan & F. T. Pu

*Similisinocarum normanianum* Cauwet & Farille [New Recognition]

**GUO Xian-lin, PRICE Megan, GOU Wei, ZHOU Song-dong, GAO Xin-fen, HE Xing-jin.** Resurrection of the Genus *Similisinocarum* (Apiaceae) Based on Evidence from Morphology and ITS Sequences. *Phytotaxa* [J] 497(2): 127-137. [E] 2021: [135]. doi: 10.11646/phytotaxa.497.2.5

**TYPE:** Lall Dhwoj 50 (holotype: BM-00622357; isotype: BM-00521541)

**CHINA** (Xizang); **NEPAL\***

**Evidence:** morphology; ITS

**S:** *Sinocarum normanianum* (Cauwet & Farille) Farille

*Sium crispulifolium* (H. Boissieu) Jing Zhou 缙叶泽芹 [New Combination]

**ZHOU Jing, NIU Jun-mei, GUO Ming-jia, WANG Pei, LIU Zhen-wen.** Rediscovery of *Pimpinella crispulifolia* (Apiaceae) after One Century, and Its New Phylogenetic Placement in *Sium*. *Phytotaxa* [J] 487(2): 157-163. [E] 2021: [161]. doi: 10.11646/phytotaxa.487.2.6

**TYPE:** F. Ducloux 4083 (holotype: P-00752662)

**CHINA** (Yunnan\*)

**Evidence:** morphology; ITS

**B:** *Pimpinella crispulifolia* H. Boissieu

*Sium crispulifolium* (H. Boissieu) Jing Zhou 缙叶泽芹 [Rediscovery]

**ZHOU Jing, NIU Jun-mei, GUO Ming-jia, WANG Pei, LIU Zhen-wen.** Rediscovery of *Pimpinella crispulifolia* (Apiaceae) after One Century, and Its New Phylogenetic Placement in *Sium*. *Phytotaxa* [J] 487(2): 157-163. [E] 2021: [161]. doi: 10.11646/phytotaxa.487.2.6

**TYPE:** F. Ducloux 4083 (holotype: P-00752662)

**CHINA** (Yunnan\*)

**Evidence:** morphology; ITS

*Tetrataenium mianguaqi* Ze H. Wang & Li Chen bis [New Species]

**WANG Ze-huan, WANG Yi, LIU Bao-lin, WANG Chao-he, FU Xian-guo.** A New Species of *Tetrataenium* (Tordyliinae, Apiaceae) from SW Yunnan, China, Based on Morphological and Molecular Data. *Phytotaxa* [J] 491(1): 85-91. [E] 2021: [86]. doi: 10.11646/phytotaxa.491.1.10

**TYPE:** B. L. Liu & G. R. Wei & al. 5309270873 (holotype: KUN; isotype: CMMI)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology; nrITS

**Apocynaceae 夹竹桃科**

*Cynanchum hubeiense* Wen B. Xu, B. S. Xia & J. Y. Shen 湖北豹药藤 [New Species]

**XU Wen-bin, XIA Bo-shun, WU Jin-qing, CHEN Yu-xing, SHEN Jian-yong.** *Cynanchum hubeiense* (Apocynaceae), a New Species from Hubei, China. *Taiwania* [J] 66(1): 53-56. [E] 2021: [53]. doi: 10.6165/ta.2021.66.53

**TYPE:** Wen B. Xu & B. S. Xia 200209 (holotype: HIB; isotype: HITBC)

**CHINA** (Hubei\*)

**IUCN:** CR; **Evidence:** morphology

*Hoya pyrifolia* E. F. Huang [New Species]

**HUANG Er-feng, YAO Gang, JIANG Ri-hong, YANG Lei-lei, XI Wang, ZHANG Zhong-shuai, ZHANG Xian-chun.** *Hoya pyrifolia* (Apocynaceae), a New Species from South-western Yunnan, China. *PhytoKeys* [J] 174: 95-106. [E] 2021: [101]. doi: 10.3897/phytokeys.174.60137

**TYPE:** E. F. Huang 1905009 (holotype: PE; isotype: PE)

**CHINA** (Yunnan\*)

**Evidence:** morphology; ETS, ITS, matK, psbA-trnH, trnT-trnL

*Hoya tetrantha* J. Feng Zhang, Y. H. Tong & N. H. Xia 四花球兰 [New Species]

**ZHANG Jing-feng, TONG Yi-hua, XIA Nian-he.** *Hoya tetrantha* (Apocynaceae, Asclepiadoideae), a New Species from Yunnan, China. *Journal of Tropical and Subtropical Botany* [J] 29(2): 139-142. [E] 2021: [140]. doi: 10.11926/jtsb.4289

**TYPE:** C. H. Chen & J. F. Zhang SCBG-20170340 (holotype: IBSC; isotype: KUN); C. H. Chen & J. F. Zhang SCBG-20160705 (paratype: IBSC)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Vincetoxicum emeiense* Si Y. Zeng & Q. Y. Yang 峨眉白前 [New Species]

**ZENG Si-yuan, YANG Qi-yi, YU Jie, SHEN Jian-yong.** *Vincetoxicum emeiense* (Asclepiadeae, Asclepiadoideae, Apocynaceae), a New Species from Sichuan, China. *Phytotaxa* [J] 505(1): 56-62. [E] 2021: [59]. doi: 10.11646/phytotaxa.505.1.3

**TYPE:** Q. Y. Yang 0001 (holotype: HITBC; isotypes: FJFC)

**CHINA** (Sichuan\*)

**IUCN:** DD; **Evidence:** morphology

*Vincetoxicum subcanescens* S. A. Shah & A. Sultan [New Species]

**SHAH Sayed Afzal, SULTAN Amir, WEN Jun, ULLAH Zahid, NISA Surat Un, REN Zhu-mei, ALAM Muhammad Maqsood, IQBAL Javed, MUMTAZ Abdul Samad.** Taxonomy of *Vincetoxicum* s.str. (Asclepiadoideae, Apocynaceae) from Southern Asia including Three New Species and Resurrected Names. *PhytoKeys* [J] 179: 35-73. [E] 2021: [68]. doi: 10.3897/phytokeys.179.62514

**TYPE:** S. A. Shah & A. Ullah SAS-8A (holotype: RAW)

**CHINA** (Xizang); **PAKISTAN\***

**IUCN:** LC; **Evidence:** morphology

*Vincetoxicum sui* (Y. H. Tseng & C. T. Chao) T. C. Hsu [New Combination]

**HSU Tian-Chuan, HUANG Wei-Jie, CHUNG Shih-Wen.** *Vincetoxicum* (Apocynaceae: Asclepiadoideae) in Taiwan: Two New Combinations and a New Record. *Phytotaxa* [J] 478(2): 287-290. [E] 2021: [289]. doi: 10.11646/phytotaxa.478.2.11

**TYPE:** Y. H. Tseng 4668 (holotype: TCF)

**CHINA** (Taiwan\*)

**Evidence:** morphology

**B:** *Tylophora sui* Y. H. Tseng & C. T. Chao

*Vincetoxicum taiwanense* (Hatus.) T. C. Hsu [New Combination]

**HSU Tian-Chuan, HUANG Wei-Jie, CHUNG Shih-Wen.** *Vincetoxicum* (Apocynaceae: Asclepiadoideae) in Taiwan: Two



New Combinations and a New Record. *Phytotaxa* [J] 478(2): 287-290. [E] 2021: [289]. doi: 10.11646/phytotaxa.478.2.11

**TYPE:** S. Suzuki s.n. (holotype: KAG-006419)

**CHINA** (Taiwan\*)

**Evidence:** morphology

**B:** *Tylophora taiwanensis* Hatus.

#### Aponogetonaceae 水蕹科

*Aponogeton undulatus* Roxb. 波缘水蕹 [New Record]

**HE Song, HU Yan-hua, LIU Qin, ZHANG Rui, ZHENG Xi-long, WU Lei.** Aponogeton undulatus Roxb., a Newly Recorded Species of Aponogetonaceae from China. *Journal of Tropical and Subtropical Botany* [J] 29(3): 311-316. [C] 2021: [313]. doi: 10.11926/jtsb.4317

**CHINA** (Hainan); BANGLADESH, INDIA, INDONESIA, MALAYSIA, MYANMAR, THAILAND

**Evidence:** morphology

#### Aquifoliaceae 冬青科

*Ilex pubescens* Hook. & Arn. f. *xanthocarpa* Xi Liu, X. D. Mei & Z. H. Chen 黄果毛冬青 [New Form]

**CHI Fang-he, LIU Xi, ZHANG Feng-yao, PU Jin-bao, CHEN Jian-bo, CHEN Zheng-hai.** Notes on the Seed Plant Flora of Zhejiang (X). *Journal of Zhejiang Forestry Science and Technology* [J] 41(3): 79-84. [C] 2021: [83]. doi: 10.3969/j.issn.1001-3776.2021.03.012

**TYPE:** X. Liu, X. D. Mei & Z. H. Chen TS21010908 (holotype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

#### Arecaceae 棕榈科

*Wallichia nana* Griff. [New Synonymy]

**MEHMUD S., ROY H.** Didymosperma gracilis, a New Synonym of Wallichia nana (Arecaceae). *Rheedea* [J] 31(2): 89-91. [E] 2021: [96]. doi: 10.22244/rheedea.2021.31.02.10

**TYPE:** Jenkins s.n. (type: A-00421704, BH, BR-0000006876920, BR-0000006877255, K-000400177, L-0042007, NY, P-00491422)

**CHINA** (Xizang); INDIA\*

**Evidence:** morphology

**S:** *Didymosperma gracilis* Hook. f. (Booth s.n., holotype: K-000400178)

#### Aristolochiaceae 马兜铃科

*Aristolochia vestita* Ohi-Toma, Pan Li & Watan.-Toma 磐安马兜铃 [New Species]

**OHI-TOMA Tetsuo, WATANABE-TOMA Kana, LI Pan, SUGAWARA Takashi, MURATA Jin.** *Aristolochia vestita*, a New Species of Subgenus Siphisia (Aristolochiaceae) from Zhejiang, China. *The Journal of Japanese Botany* [J] 96(5): 253-263. [E] 2021: [256].

**TYPE:** T. Ohi-Toma & al. 130503A (holotype: TI; isotype: HZU)

**CHINA** (Zhejiang\*)

**Evidence:** morphology; trnK, atpB, rbcL, trnS-trnG

*Asarum caudigerellum* C. Y. Cheng & C. S. Yang var. *huayeense* X. X. Bai & X. D. Cao 花叶短尾细辛 [New Variety]

**HUANG Hong, CAO Xiao-dong, BAI Xin-xiang.** A New Variety of *Asarum* L. from Guizhou Province. *Guizhou Science* [J] 39(6): 24-26. [C] 2021: [25].

**TYPE:** X. X. Bai & X. D. Cao 005272 (holotype: GZAC)

**CHINA** (Guizhou\*)

**Evidence:** morphology

*Asarum caudigerum* Hance f. *leptophyllum* (Hayata) Wei J. Wu, J. F. Wang & Z. H. Chen 薄叶细辛 [New Combination]

**YAN Fu-bin, XIE Wen-yuan, WANG Jun-feng, WU Dong-hao, CHEN Xian-xing, CHEN Zheng-hai.** New Materials in Flora of Zhejiang Province (III). *Journal of Zhejiang Forestry Science and Technology* [J] 41(5): 80-85. [C] 2021: [83]. doi: 10.3969/j.issn.1001-3776.2021.05.013

**TYPE:** B. Hayata & T. Ito s.n. (holotype: TI-T00371; isotype: TI-T00372)

**CHINA** (Taiwan\*, Zhejiang)

**Evidence:** morphology

**B:** *Asarum leptophyllum* Hayata

*Isotrema compressicaule* (Z. L. Yang) X. X. Zhu & S. Liao [New Combination]

**LIAO Shuai, ZHU Xin-xin, YAN Jing, DU Cheng, LI Hong-qing.** The Valid Publication and Identity of *Aristolochia compressicaulis*

(Aristolochiaceae). *Phytotaxa* [J] 513(1): 75-79. [E] 2021: [77]. doi: 10.11646/phytotaxa.513.1.6

**TYPE:** Z. L. Yang 484311 (holotype: EMA)

**CHINA** (Chongqing\*)

**Evidence:** morphology

**B:** *Aristolochia compressicaulis* Z. L. Yang

*Isotrema pseudohei* X. X. Zhu, Jun Wang tris & G. D. Li 拟何氏关木通 [New Species]

**WANG Jun, LI Guo-dong, YANG Juan-juan, SHEN Bin, PU Chun-xia, ZHU Xin-xin.** Taxonomic Studies on the Genus *Isotrema* (Aristolochiaceae) from China III: I. *pseudohei*, a New Species from Yunnan, Southwest China. *PhytoKeys* [J] 186: 43-52. [E] 2021: [44]. doi: 10.3897/phytokeys.186.63543

**TYPE:** X. X. Zhu & al. ZXX18249 (holotype: CSH-0157854; isotype: CSH, KUN); X. X. Zhu & al. ZXX18250 (paratype: CSH, KUN)

**CHINA** (Yunnan\*)

**IUCN:** VU; **Evidence:** morphology

#### Asparagaceae 天门冬科

*Aspidistra depingiana* Y. H. Tan & H. B. Ding 景洪蜘蛛抱蛋 [New Species]

**DING Hong-bo, XIONG Kai-chun, YANG Bin, YIN Jian-tao, BOUAMANIVONG Somsanith, TAN Yun-hong.** New Species and Taxonomic Notes of *Aspidistra* (Asparagaceae) for the Flora of China and Laos. *Taiwania* [J] 66(4): 439-449. [E] 2021: [439]. doi: 10.6165/tai.2021.66.439

**TYPE:** Y. H. Tan 5369 (holotype: HITBC); D. P. Ye T0404 (paratype: HITBC-0030038, HITBC-0030039); D. P. Ye T0462 (paratype: HITBC-0030044, TAI)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology

*Aspidistra latistyla* F. Y. Mo, C. R. Lin & Yan Liu [New Species]

**MO Fu-yan, ZHANG Shou-zhou, LIN Chun-rui, LIU Yan.** *Aspidistra latistyla* (Asparagaceae), a New Species from China. *Phytotaxa* [J] 512(1): 73-78. [E] 2021: [73]. doi: 10.11646/phytotaxa.512.1.6

**TYPE:** F. Y. Mo & C. R. Lin XH 2019-001 (holotype: SZG; isotype: IBK); C. R. Lin & Z. C. Lu 1301 (paratype: IBK)

**CHINA** (Guangdong\*, Guangxi)

**Evidence:** morphology

*Aspidistra longhuiensis* G. W. Hu, Zhi Wang & Q. F. Wang 隆回蜘蛛抱蛋 [New Species]

**WANG Zhi, PENG Shuai, PENG Ying, HU Guang-wan, WANG Qing-feng.** *Aspidistra longhuiensis* (Asparagaceae), a New Species from Hunan, China. *Phytotaxa* [J] 510(1): 89-93. [E] 2021: [89]. doi: 10.11646/phytotaxa.510.1.10

**TYPE:** Z. Wang & G. W. Hu HGW-001316 (holotype: HIB; isotype: HIB, HNNU, IBK)

**CHINA** (Hunan\*)

**Evidence:** morphology

*Aspidistra sutepensis* K. Larsen [New Record]

**DING Hong-bo, XIONG Kai-chun, YANG Bin, YIN Jian-tao, BOUAMANIVONG Somsanith, TAN Yun-hong.** New Species and Taxonomic Notes of *Aspidistra* (Asparagaceae) for the Flora of China and Laos. *Taiwania* [J] 66(4): 439-449. [E] 2021: [445]. doi: 10.6165/ta.2021.66.439

**TYPE:** K. Larsen 4929 (holotype: C-10013947)

**CHINA** (Yunnan); THAILAND\*

**Evidence:** morphology

*Aspidistra yuelushanensis* L. Wu & X. L. Yu 岳麓山蜘蛛抱蛋 [New Species]

**DENG Chuang-fa, WU Lei, YU Xun-lin, XU Yong-fu, LI Jia-xiang.** *Aspidistra yuelushanensis* (Asparagaceae), a New Species from Hunan, China. *Phytotaxa* [J] 482(2): 183-190. [E] 2021: [187]. doi: 10.11646/phytotaxa.482.2.6

**TYPE:** C. F. Deng & al. 19031901 (holotype: CSFI-069615; isotype: CSFI, IBK); C. F. Deng & al. 20032701 (paratype: CSFI); C. F. Deng & al. 20032801 (paratype: CSFI); C. F. Deng & al. 20040201 (paratype: CSFI)

**CHINA** (Hunan\*)

**Evidence:** morphology

*Ophiopogon elatior* Q. W. Lin, Zhi Y. Yu, Bing Liu & C. T. Le 高莛沿阶草 [New Species]

**LIN Qin-wen, LE Chi-toan, YU Zhi-yong, SUN Guo-feng, LIU Bing.** *Ophiopogon elatior*, a New Species of Asparagaceae from Yunnan, China. *Phytotaxa* [J] 525(1): 46-50. [E] 2021: [47]. doi: 10.11646/phytotaxa.525.1.5

**TYPE:** Yunnan Exped. YN-ET 260 (holotype: PE; isotype: PE)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Polygonatum caulialatum* S. R. Yi 翅茎黄精 [New Species]

**CHEN Hong-yuan, HUANG Ya, ZHOU Xiao-xu, YI Si-rong.** *Polygonatum caulialatum*, a New Species of Medicinal Plant of *Polygonatum* (Asparagaceae) from Sichuan, China. *Phytotaxa* [J] 513(1): 55-61. [E] 2021: [55]. doi: 10.11646/phytotaxa.513.1.3

**TYPE:** S. R. Yi YSR8198 (holotype: KUN-1510464; isotype: PE); S. R. Yi YSR8611 (paratype: KUN, PE)

**CHINA** (Sichuan\*)

**Evidence:** morphology

*Polygonatum hunanense* Hui H. Liu & B. Z. Wang [New Synonyms]

**XIA Mao-qin, LIU Ying, LIU Jing-jing, CHEN Dong-hong, SHI Yan, BAI Zhi-cong, XIAO Yu, PENG Chen, SI Jin-ping, LI Pan, QIU Ying-xiong.** A New Synonym of *Polygonatum* in

China, Based on Morphological and Molecular Evidence. *PhytoKeys* [J] 175: 137-149. [E] 2021: [146]. doi: 10.3897/phytokeys.175.63383

**TYPE:** Hui H. Liu & B. Z. Wang 2018060901a (holotype: JIU-83621)

**CHINA** (Chongqing, Hubei, Hunan\*, Sichuan)

**IUCN:** LC; **Evidence:** morphology; rbcL, trnK, psbA-trnH, trnC-petN

**S:** *Polygonatum kingianum* Collett & Hemsl. var. *grandifolium* D. M. Liu & W. Z. Zeng (Hao Zhang 1231, lectotype: CDCM-00044013; isolectotype: CDCM-00044022)

*Polygonatum hunanense* Hui H. Liu & B. Z. Wang 湘黄精 [New Species]

**LIU Hui-hua, MA Yu-shen, WANG Ben-zhong, JIE-Hong-dong, XIANG Shi-jun, YANG Jia-ning, JIE Yu-cheng.** Morphological and Molecular Characters on a New Species of *Polygonatum hunanense* from Hunan, China. *Crop Research* [J] 35(1): 88-94. [C] 2021: [91]. doi: 10.16848/j.cnki.issn.1001.5280.2021.01.15

**TYPE:** Hui H. Liu & B. Z. Wang 2018060901a (holotype: JIU-83621)

**CHINA** (Hunan\*)

**Evidence:** morphology; trnC-petNF, trnC-petNR, trnKF, trnKR, psbA-trnHF, psbA-trnHR, rbcLF, rbcLR

*Rohdea changii* Hui Z. Feng & Z. Qiang Lu [New Species]

**FENG Hui-zhe, LU Zhi-qiang.** *Rohdea changii* (Asparagaceae), A New Species from Northwestern Yunnan, China. *Phytotaxa* [J] 508(1): 93-100. [E] 2021: [93]. doi: 10.11646/phytotaxa.508.1.9

**TYPE:** H. Z. Feng & Z. Q. Lu 1122 (holotype: HITBC)

**CHINA** (Yunnan\*)

**Evidence:** morphology; ITS, matK, rbcL, rps16, trnH-psbA, trnL

*Rohdea wangiana* H. Z. Feng & Z. Qiang Lu [New Species]

**FENG Hui-zhe, LU Zhi-qiang, HAN Qing-xiang, SHEN Heng-lun.** *Rohdea wangiana* (Asparagaceae), a New Species from Southwestern Sichuan, China. *Phytotaxa* [J] 523(3): 247-253. [E] 2021: [248]. doi: 10.11646/phytotaxa.523.3.5

**TYPE:** H. Z. Feng & Z. Q. Lu 1327 (holotype: HITBC)

**CHINA** (Sichuan\*)

**Evidence:** morphology

**Asteraceae 菊科**

*Ainsliaea polystachya* X. X. Su & M. J. Zhang 多穗兔儿风 [New Species]

**ZHANG Mei-jiao, SU Xiang-xiu, AN Chang, LI Hong-qing, ZHANG Zhen.** *Ainsliaea polystachya* (Asteraceae), a New Species from Fujian, China Based on Morphological and Molecular Evidence. *Phytotaxa* [J] 497(3): 277-284. [E] 2021: [279]. doi: 10.11646/phytotaxa.497.3.6

**TYPE:** X. X. Su SXX20201101 (holotype: HSNU-00079855; isotype: HSNU-00079856, CSH-0183101, CSH-0183102, CSH-0183103, PE-2347182, PE-02347183)

**CHINA** (Fujian\*)

**Evidence:** morphology; ITS, ETS, ndhF

*Artemisia anomala* S. Moore [New Synonyms]

**GUO Xin-qiang, WANG Long, YANG Qin-er.** Clarification of Some Morphological Characters in *Artemisia anomala* (Asteraceae, Anthemideae), with Reduction of var. *tomentella* and var. *acuminatissima* to the Synonymy of the Species.

*Phytotaxa* [J] 520(1): 57-74. [E] 2021: [60]. doi: 10.11646/phytotaxa.520.1.4

**TYPE:** T. Sampson s.n. (lectotype: K-000891834); G. Shearer s.n. (syntype: K-000891835, K-000891837); O. von Möllendorff s.n. (syntype: K-000891836)

**CHINA** (Anhui, Fujian, Guangdong\*, Guangxi, Jiangxi, Taiwan, Zhejiang)

**Evidence:** morphology

**S:** *Artemisia anomala* S. Moore var. *tomentella* Hand.-Mazz. (R. C. Ching 3800, lectotype: W-0100966; isolectotype: UPS-V-936434); *Artemisia anomala* S. Moore var. *acuminatissima* Y. R. Ling (s.coll. 1214, holotype: KUN-0040353; isotype: HHBG-HZ046738, HHBG-HZ046739, NAS-00503610, PE-00420731, WUK-0177578)

*Artemisia anomala* S. Moore [**Typification**]

**GUO Xin-qiang, WANG Long, YANG Qin-er.** Clarification of Some Morphological Characters in *Artemisia anomala* (Asteraceae, Anthemideae), with Reduction of var. *tomentella* and var. *acuminatissima* to the Synonymy of the Species.

*Phytotaxa* [J] 520(1): 57-74. [E] 2021: [60]. doi: 10.11646/phytotaxa.520.1.4

**TYPE:** T. Sampson s.n. (lectotype: K-000891834); G. Shearer s.n. (syntype: K-000891835, K-000891837); O. von Möllendorff s.n. (syntype: K-000891836)

**CHINA** (Anhui, Fujian, Guangdong\*, Guangxi, Jiangxi, Taiwan, Zhejiang)

**Evidence:** morphology

*Artemisia flaccida* Hand.-Mazz. [**Typification**]

**GUO Xin-qiang, WANG Long, YANG Qin-er.** *Artemisia flaccida* (Asteraceae, Anthemideae) Is Merged with *A. fulgens*, with Transfer of *A. flaccida* var. *meiguensis* to *A. fulgens*.

*Phytotaxa* [J] 514(3): 221-237. [E] 2021: [235]. doi: 10.11646/phytotaxa.514.3.3

**TYPE:** H. Smith 13540 (lectotype: UPS-V-083129; isolectotype: A-00002754, A-00124146, BM-000945899, F-1482747, GB-0047183, MO-1626714, MO-1626728, PE-00029953, PE-00421991, S-08-6031, W-1940-0013606)

**CHINA** (Sichuan\*)

**Evidence:** morphology

*Artemisia fulgens* Pamp. [**Typification**]

**GUO Xin-qiang, WANG Long, YANG Qin-er.** *Artemisia flaccida* (Asteraceae, Anthemideae) Is Merged with *A. fulgens*, with Transfer of *A. flaccida* var. *meiguensis* to *A. fulgens*.

*Phytotaxa* [J] 514(3): 221-237. [E] 2021: [235]. doi: 10.11646/phytotaxa.514.3.3

**TYPE:** A. E. Pratt 88 (lectotype: E-00417240; isolectotype: B, BM, K-000891843)

**CHINA** (Sichuan\*)

**Evidence:** morphology

*Artemisia fulgens* Pamp. [**New Synonymys**]

**GUO Xin-qiang, WANG Long, YANG Qin-er.** *Artemisia flaccida* (Asteraceae, Anthemideae) Is Merged with *A. fulgens*, with Transfer of *A. flaccida* var. *meiguensis* to *A. fulgens*.

*Phytotaxa* [J] 514(3): 221-237. [E] 2021: [235]. doi: 10.11646/phytotaxa.514.3.3

**TYPE:** A. E. Pratt 88 (lectotype: E-00417240; isolectotype: B, BM, K-000891843)

**CHINA** (Sichuan\*)

**Evidence:** morphology

**S:** *Artemisia flaccida* Hand.-Mazz. (H. Smith 13540, lectotype: UPS-V-083129; isolectotype: A-00002754, A-00124146, BM-000945899, F-1482747, GB-0047183, MO-1626714, MO-1626728, PE-00029953, PE-00421991, S-08-6031, W-1940-0013606)

*Artemisia fulgens* Pamp. var. *meiguensis* (Y. R. Ling) X. Qiang Guo, Long Wang & Q. E. Yang [**New Combination**]

**GUO Xin-qiang, WANG Long, YANG Qin-er.** *Artemisia flaccida* (Asteraceae, Anthemideae) Is Merged with *A. fulgens*, with Transfer of *A. flaccida* var. *meiguensis* to *A. fulgens*.

*Phytotaxa* [J] 514(3): 221-237. [E] 2021: [236]. doi: 10.11646/phytotaxa.514.3.3

**TYPE:** Sichuan Chin. Trad. Med. Inst. 373 (holotype: SM-719400788)

**CHINA** (Sichuan\*, Yunnan)

**Evidence:** morphology

**B:** *Artemisia flaccida* Hand.-Mazz. var. *meiguensis* Y. R. Ling

*Artemisia qinlingensis* Y. Ling & Y. R. Ling [**Typification**]

**GUO Xin-qiang, WANG Long, YANG Qin-er.** *Artemisia taibaishanensis* (Asteraceae, Anthemideae), a New Synonym of *A. qinlingensis* from China. *Phytotaxa* [J] 487(2): 125-138. [E] 2021: [127]. doi: 10.11646/phytotaxa.487.2.3

**TYPE:** K. M. Liou 5256 (lectotype: PE-00444516; isolectotype: PE-00444517, PE-00444518, WUK)

**CHINA** (Henan\*, Shaanxi)

**Evidence:** morphology

*Artemisia qinlingensis* Y. Ling & Y. R. Ling [**New Synonymys**]

**GUO Xin-qiang, WANG Long, YANG Qin-er.** *Artemisia taibaishanensis* (Asteraceae, Anthemideae), a New Synonym of *A. qinlingensis* from China. *Phytotaxa* [J] 487(2): 125-138. [E] 2021: [127]. doi: 10.11646/phytotaxa.487.2.3

**TYPE:** K. M. Liou 5256 (lectotype: PE-00444516; isolectotype: PE-00444517, PE-00444518, WUK)

**CHINA** (Henan\*, Shaanxi)

**Evidence:** morphology

**S:** *Artemisia taibaishanensis* Y. R. Ling & Humphries (W. Y. Hsia 4736, holotype: PE-00478176; isotype: IBSC-0731570, WUK)

*Aster jiangkouensis* X. L. Yu & Xiong Li 江口紫菀 [**New Species**]

**LI Xiong, WU Lei, YU Xun-lin.** *Aster jiangkouensis* (Asteraceae), a New Species from Guizhou, China. *Phytotaxa* [J] 483(1): 75-79. [E] 2021: [78]. doi: 10.11646/phytotaxa.483.1.4

**TYPE:** X. Li 19110201 (holotype: CSFI; isotype: CSFI)

**CHINA** (Guizhou\*)

**IUCN:** EN; **Evidence:** morphology

*Aster sanqingensis* G. J. Zhang & T. G. Gao [**New Species**]

**ZHANG Guo-jin, SHEN Jia-hao, JIAO Bo-han, NIU Guo-hao, ZHONG Fang-hua, LI Guo, GAO Tian-gang.** Cryptic Diversity on Cliffs: *Aster sanqingensis*, a New Species of Asteraceae from Eastern China. *Systematic Botany* [J] 46(3): 628-638. [E] 2021: [630]. doi: 10.1600/036364421X16312067913390

**TYPE:** G. J. Zhang 350-1 (holotype: PE)

**CHINA** (Jiangxi\*)

**Evidence:** morphology

***Aster sanqingshanica*** J. W. Xiao & W. P. Li 三清山紫菀 [New Species]

**XIAO Jia-wei, ZHAO Qing-ya, XIE Dan, TANG Zhong-bing, LI Wei-ping.** *Aster sanqingshanica* (Asteraceae, Astereae), a New Species from

Jiangxi, China. *Nordic Journal of Botany* [J] 39(e02990): 1-9. [E] 2021: [8]. doi: 10.1111/njb.02990

**TYPE:** J. W. Xiao XJW2020060304 (holotype: HNNU; isotype: HNNU); J. W. Xiao XJW2019100801(paratype: HNNU); J. W. Xiao XJW2019100802 (paratype: HNNU)

**CHINA** (Jiangxi\*)

**IUCN:** EN; **Evidence:** morphology; ITS, ETS

***Carpesium zhejiangense*** Y. L. Xu, H. W. Zhang & Y. F. Lu 浙江天名精 [New Species]

**XU Yue-liang, ZHANG Hong-wei, LU Yi-fei.** *Carpesium zhejiangense* (Asteraceae, trib. Inuleae), a New Species from Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(3): 261-268. [C] 2021: [264]. doi: 10.19926/j.cnki.issn.1674-232X.2021.03.007

**TYPE:** H. W. Zhang T003 (holotype: ZM; isotype: HTC, PE)

**CHINA** (Zhejiang\*)

**Evidence:** morphology; ITS, trnL-F

***Cirsium henryi*** (Franch.) Diels [Typification]

**JIN Zi-chao, CHEN You-sheng.** The Identity of *Cirsium henryi* (Asteraceae, Cardueae). *Phytotaxa* [J] 487(3): 263-272. [E] 2021: [263]. doi: 10.11646/phytotaxa.487.3.6

**TYPE:** A. Henry 6764 (lectotype: P-00705765; isolectotype: K-000778201, K-000778201, K-000778202, BM-000598141, BM-000598142, P-00705766, A-00006077)

**CHINA** (Hubei\*)

**Evidence:** morphology

***Cirsium melanolepis*** Petr. [Typification]

**JIN Zi-chao, CHEN You-sheng.** The Identity of *Cirsium henryi* (Asteraceae, Cardueae). *Phytotaxa* [J] 487(3): 263-272. [E] 2021: [267]. doi: 10.11646/phytotaxa.487.3.6

**TYPE:** J. F. Rock 4751 (lectotype: E-00383880; isolectotype: US-00116136); G. Forrest 6215 (syntype: E-00459670)

**CHINA** (Yunnan\*)

**Evidence:** morphology

***Cirsium paludigenum*** Y. F. Lu, Z. H. Chen & X. F. Jin 沼生垂头菊 [New Species]

**LU Yi-fei, CHEN Zheng-hai, SUN Wen-yan, JIN Xiao-feng.** Two New Species in *Cirsium* (Asteraceae) from Zhejiang. *Journal of Plant Resources and Environment* [J] 30(1): 1-8. [C] 2021: [5]. doi: 10.3969/j.issn.1674-7895.2021.01.01

**TYPE:** Z. H. Chen & al. WC2018090707 (holotype: ZM; isotypes: HTC, PE)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

***Cirsium taiwanense*** Y. H. Tseng & Chih Y. Chang 台湾菊 [New Species]

**CHANG Chih-yi, TZENG Hsy-yu, TSENG Yen-hsueh.** *Cirsium taiwanense* (Compositae, *Cirsium* sect. *Onotrophe*, subsect. *Australicirsium*), a New Species from Taiwan. *PhytoKeys* [J] 183: 35-53. [E] 2021: [47]. doi: 10.3897/phytokeys.183.70119

**TYPE:** C. Y. Chang 2976 (holotype: TCF; isotype: TNM, PPI)

**CHINA** (Taiwan\*)

**IUCN:** LC; **Evidence:** morphology; chromosome

***Cirsium taliense*** (Jeffrey) H. Lév. [Typification]

**JIN Zi-chao, CHEN You-sheng.** The Identity of *Cirsium henryi* (Asteraceae, Cardueae). *Phytotaxa* [J] 487(3): 263-272. [E] 2021: [264]. doi: 10.11646/phytotaxa.487.3.6

**TYPE:** G. Forrest 10 (lectotype: E-00383866); Maire 1289 (syntype: E)

**CHINA** (Yunnan\*)

**Evidence:** morphology

***Cirsium taliense*** (Jeffrey) H. Lév. [New Synonymys]

**JIN Zi-chao, CHEN You-sheng.** The Identity of *Cirsium henryi* (Asteraceae, Cardueae). *Phytotaxa* [J] 487(3): 263-272. [E] 2021: [264]. doi: 10.11646/phytotaxa.487.3.6

**TYPE:** G. Forrest 10 (lectotype: E-00383866); Maire 1289 (syntype: E)

**CHINA** (Yunnan\*)

**Evidence:** morphology

**S:** *Cirsium chlorolepis* Petr. ex Hand.-Mazz. (Schoch 279, holotype: WU-0061227)

***Cirsium tsoongianum*** Y. Ling 钟氏菊 [New Synonymys]

**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [95]. doi: 10.3785/j.issn.1008-9497.2021.01.013

**TYPE:** K. K. Tsoong D420 (holotype: PE)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

**S:** *Cirsium lineare* (Thunb.) Sch.Bip. var. *tsoongianum* (Y. Ling) Y. Ling; *Cirsium tianmushanicum* C. Shih (Y. Y. Ho 713, holotype: WUK)

***Cirsium zhejiangense*** Z. H. Chen & X. F. Jin 浙江垂头菊 [New Species]

**LU Yi-fei, CHEN Zheng-hai, SUN Wen-yan, JIN Xiao-feng.** Two New Species in *Cirsium* (Asteraceae) from Zhejiang. *Journal of Plant Resources and Environment* [J] 30(1): 1-8. [C] 2021: [2]. doi: 10.3969/j.issn.1674-7895.2021.01.01

**TYPE:** X. F. Jin & T. T. Yu 3202 (holotype: ZM; isotypes: HTC, PE)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

***Ixeridium dimorphifolium*** Y. L. Xu, Y. F. Lu & X. Cai 二型叶小苦苣 [New Species]

**LU Yi-fei, XU Yue-liang, XIE Wen-yuan, ZHANG Hong-wei, ZHENG Zi-hong, CAI Xin, JIN Xiao-feng.** Two New Species and a New Combination from Zhejiang, East China. *PhytoKeys* [J] 184: 111-126. [E] 2021: [119]. doi: 10.3897/phytokeys.184.73327

**TYPE:** X. F. Jin 4568 (holotype: ZM; isotype: HTC, ZM)

**CHINA** (Zhejiang\*)

**IUCN:** EN; **Evidence:** morphology

***Jacobaea racemulifera*** (Pavlov) C. Ren & Q. E. Yang [New Combination]

**FEI Wen-qun, LI Hui-min, REN Chen, YANG Qin-er.** Nuclear ITS/ETS Sequence Data Indicate the Membership of *Senecio*

racemulifer, but not *S. acutipinnus* and *S. graciliflorus*, within the Genus *Jacobaea* (Asteraceae, Senecioneae). *Phytotaxa* [J] 512(3): 129-146. [E] 2021: [140]. doi: 10.11646/phytotaxa.512.3.1

**TYPE:** N. V. Pavlov 150 (holotype: AA; isotype: MW)  
**CHINA** (Xinjiang); **KAZAKHSTAN**, **KYRGYZSTAN**, **UZBEKISTAN\***

**Evidence:** morphology; ITS, ETS; chromosome  
**B:** *Senecio racemulifer* Pavlov

*Ligularia dentata* (Gray) Hara [New Synonyms]

**WANG Long.** The Identity of *Ligularia yesoensis* var. *pulchella* (Asteraceae, Senecioneae). *Phytotaxa* [J] 523(2): 199-202. [E] 2021: [199]. doi: 10.11646/phytotaxa.523.2.7

**TYPE:** C. Wright s.n. (holotype: GH-00009795; isotype: NY-00391973)

**CHINA** (Hubei); **JAPAN\***

**Evidence:** morphology

**S:** *Ligularia yesoensis* Franch. var. *pulchella* Pamp.; *Ligularia hodgsonii* Hooker var. *pulchella* (Pamp.) Hand.-Mazz. (C. Silvestri 3238a, holotype: FI-016868)

*Lihengia* Y. S. Chen & R. Ke [New Genus]

**CHEN You-sheng, XU Lian-sheng, KE Rui, HARRIS Aj, LI Hui-min.** *Lihengia*: A New Genus of Asteraceae Distinct from *Dubyaea*. *Taxon* [J] 70(3): 620-634. [E] 2021: [630]. doi: 10.1002/tax.12428

**TYPE:** *Lihengia amoena* (Hand.-Mazz.) Y. S. Chen & R. Ke

**Evidence:** morphology; ITS, petD, psbA-trnH, 5'trnL-trnF, rpl32-trnL, trnQ-5'rps16; chromosome

*Lihengia amoena* (Hand.-Mazz.) Y. S. Chen & R. Ke [New Combination]

**CHEN You-sheng, XU Lian-sheng, KE Rui, HARRIS Aj, LI Hui-min.** *Lihengia*: A New Genus of Asteraceae Distinct from *Dubyaea*. *Taxon* [J] 70(3): 620-634. [E] 2021: [630]. doi: 10.1002/tax.12428

**TYPE:** H. Handel-Mazzetti 9913 (holotype: WU-0061216; isotype: E-00394875, K-000808257, M-0030838)

**CHINA** (Xizang, Yunnan)

**Evidence:** morphology; ITS, petD, psbA-trnH, 5'trnL-trnF, rpl32-trnL, trnQ-5'rps16; chromosome

**B:** *Lactuca amoena* Hand.-Mazz.

*Lihengia gombalana* (Hand.-Mazz.) Y. S. Chen & R. Ke [New Combination]

**CHEN You-sheng, XU Lian-sheng, KE Rui, HARRIS Aj, LI Hui-min.** *Lihengia*: A New Genus of Asteraceae Distinct from *Dubyaea*. *Taxon* [J] 70(3): 620-634. [E] 2021: [631]. doi: 10.1002/tax.12428

**TYPE:** H. Handel-Mazzetti 9889 (holotype: WU-0061215; isotype: E-00394874, K-000808260, M-0030840, P-00750287)

**CHINA** (Xizang, Yunnan)

**Evidence:** morphology; ITS, petD, psbA-trnH, 5'trnL-trnF, rpl32-trnL, trnQ-5'rps16; chromosome

**B:** *Lactuca gombalana* Hand.-Mazz.

*Saussurea linearifolia* Ludlow 条叶雪莲 [New Record]

**CHEN You-sheng.** *Saussurea linearifolia* Ludlow, a New Record of Asteraceae from China. *Journal of Tropical and Subtropical Botany* [J] 29(2): 147-148. [C] 2021: [147]. doi: 10.11926/jtsb.4257

**TYPE:** O. Polunin, Sykes & Williams 3387 (holotype: BM; isotype: K-000792067)

**CHINA** (Xizang); **INDIA**, **NEPAL\***

**Evidence:** morphology

*Schkuhria* Roth 史库菊属 [New Record]

**XIN Xiao-wei, ZHAO Hong, GAO De-min, QU Chang-you, LIU Hong-yan, WANG Cong-cong.** *Schkuhria*, a Newly Naturalized Genus of Asteraceae in China. *Plant Science Journal* [J] 39(1): 1-4. [C] 2021: [2]. doi: 10.11913/PSJ.2095-0837.2021.10001

**TYPE:** *Schkuhria abrotanoides* Roth

**Evidence:** morphology

*Schkuhria pinnata* (Lam.) Kuntze ex Thell. 史库菊 [New Record]

**XIN Xiao-wei, ZHAO Hong, GAO De-min, QU Chang-you, LIU Hong-yan, WANG Cong-cong.** *Schkuhria*, a Newly Naturalized Genus of Asteraceae in China. *Plant Science Journal* [J] 39(1): 1-4. [C] 2021: [2]. doi: 10.11913/PSJ.2095-0837.2021.10001

**CHINA** (Shandong); [AMERICA]

**Evidence:** morphology

*Senecio acutipinnus* Hand.-Mazz. [New Synonyms]

**FEI Wen-qun, LI Hui-min, REN Chen, YANG Qin-er.** Nuclear ITS/ETS Sequence Data Indicate the Membership of *Senecio racemulifer*, but not *S. acutipinnus* and *S. graciliflorus*, within the Genus *Jacobaea* (Asteraceae, Senecioneae). *Phytotaxa* [J] 512(3): 129-146. [E] 2021: [140]. doi: 10.11646/phytotaxa.512.3.1

**TYPE:** G. Forrest 16044 (lectotype: E-00385523; isolectotype: K-000852129)

**CHINA** (Guizhou, Yunnan\*); **VIETNAM**

**Evidence:** morphology; ITS, ETS; chromosome

**S:** *Jacobaea acutipinna* (Hand.-Mazz.) Sennikov

*Senecio graciliflorus* DC. [New Synonyms]

**FEI Wen-qun, LI Hui-min, REN Chen, YANG Qin-er.** Nuclear ITS/ETS Sequence Data Indicate the Membership of *Senecio racemulifer*, but not *S. acutipinnus* and *S. graciliflorus*, within the Genus *Jacobaea* (Asteraceae, Senecioneae). *Phytotaxa* [J] 512(3): 129-146. [E] 2021: [141]. doi: 10.11646/phytotaxa.512.3.1

**TYPE:** Wall. Cat. 3149/259A (lectotype: G-00329591; isolectotype: BM-00035583, K-000102344, P-00743055, P-00743056, P-00743058, PH-00010086)

**CHINA** (Sichuan, Xizang, Yunnan); **INDIA\***, **NEPAL**, **MALAYSIA**, **VIETNAM**

**Evidence:** morphology; ITS, ETS; chromosome

**S:** *Jacobaea graciliflora* (DC.) Sennikov

*Senecio graciliflorus* DC. [Typification]

**FEI Wen-qun, LI Hui-min, REN Chen, YANG Qin-er.** Nuclear ITS/ETS Sequence Data Indicate the Membership of *Senecio racemulifer*, but not *S. acutipinnus* and *S. graciliflorus*, within the Genus *Jacobaea* (Asteraceae, Senecioneae). *Phytotaxa* [J] 512(3): 129-146. [E] 2021: [141]. doi: 10.11646/phytotaxa.512.3.1

**TYPE:** Wall. Cat. 3149/259A (lectotype: G-00329591; isolectotype: BM-00035583, K-000102344, P-00743055, P-00743056, P-00743058, PH-00010086)

**CHINA** (Sichuan, Xizang, Yunnan); **INDIA\***, **NEPAL**, **MALAYSIA**, **VIETNAM**

**Evidence:** morphology; ITS, ETS; chromosome

*Synotis jinshajiangensis* M. Tang 金沙江合耳菊 [New Species]

LIU Yu-Lin, ZHU Xin-Xin, PENG Yu-Lan, TANG Ming. *Synotis jinshajiangensis* (Asteraceae: Senecioneae), a New Species from Northwestern Yunnan, China. *Phytotaxa* [J] 478(1): 162-170. [E] 2021: [164]. doi: 10.11646/phytotaxa.478.1.12

TYPE: Qinghai-Xizang Exped. 2555 (holotype: PE-01535802; isotype: PE-01535803, CDBI-0150030, CDBI-0150824, KUN-0070212, KUN-0070213)

CHINA (Yunnan\*)

IUCN: NT; Evidence: morphology

*Synotis nagensium* (C. B. Clarke) C. Jeffrey & Y. L. Chen [New Synonyms]

TANG Ming, CHEN You-sheng. *Blumea hunanensis* Is a Synonym of *Synotis nagensium* (Asteraceae: Senecioneae). *Phytotaxa* [J] 487(2): 149-156. [E] 2021: [155]. doi: 10.11646/phytotaxa.487.2.5

TYPE: C. B. Clarke 41984A (lectotype: K-000843880); C. B. Clarke 41984B (syntype: K-000843881)

CHINA (Hunan); INDIA\*

Evidence: morphology

S: *Blumea hunanensis* L. D. Duan & Yun Lin (L. D. Duan & Z. Lu 5813, holotype: PE-02232681; isotype: HUFU, HUSY, BM, E, GZAC, IBK, IBSC, K, KUN, MO, PE)

*Synotis nagensium* (C. B. Clarke) C. Jeffrey & Y. L. Chen [Typification]

TANG Ming, CHEN You-sheng. *Blumea hunanensis* Is a Synonym of *Synotis nagensium* (Asteraceae: Senecioneae). *Phytotaxa* [J] 487(2): 149-156. [E] 2021: [155]. doi: 10.11646/phytotaxa.487.2.5

TYPE: C. B. Clarke 41984A (lectotype: K-000843880); C. B. Clarke 41984B (syntype: K-000843881)

CHINA (Hunan); INDIA\*

Evidence: morphology

*Youngia hangii* T. Deng, D. G. Zhang, Qun Liu & Zhi M. Li 五峰黄鹌菜 [New Species]

LIU Qun, HUANG Gui-yun, ZHANG Dai-gui, ZHANG Jian-wen, DENG Tao, LI Zhi-min. *Youngia hangii* (Asteraceae, Crepidinae), a New Species from Hubei, China. *PhytoKeys* [J] 182: 27-38. [E] 2021: [31]. doi: 10.3897/phytokeys.182.71063

TYPE: D. G. Zhang & Qun Liu HAC 001 (holotype: KUN-1511675; isotype: KUN-1511676, JSU-HHE 3256)

CHINA (Hubei\*)

Evidence: morphology; ITS, rps16

Balanophoraceae 蛇菰科

*Balanophora appressa* R. X. Yu & S. Y. Zhou 粤西蛇菰 [New Species]

YU Run-xian, ZHOU Song-yan, LI Yuan-qiu, MA Kai-nan, LI You-yu, HUANG Lin-sheng, ZHOU Ren-chao, LIU Ying. Two New Species of *Balanophora* (Balanophoraceae) from South China. *Systematic Botany* [J] 46(4): 1053-1066. [E] 2021: [1063]. doi: 10.1600/036364421X16370110179500

TYPE: R. X. Yu 005a, b (holotype: IBSC; isotype: SYS); R. X. Yu 006 (paratype: SYS)

CHINA (Guangdong\*)

IUCN: DD; Evidence: morphology; nrITS

*Balanophora parajaponica* R. X. Yu, S. Y. Zhou & Y. Q. Li 拟日本蛇菰 [New Species]

YU Run-xian, ZHOU Song-yan, LI Yuan-qiu, MA Kai-nan, LI You-yu, HUANG Lin-sheng, ZHOU Ren-chao, LIU Ying. Two New Species of *Balanophora* (Balanophoraceae) from South China. *Systematic Botany* [J] 46(4): 1053-1066. [E] 2021: [1063]. doi: 10.1600/036364421X16370110179500

TYPE: R. X. Yu 001a, b (holotype: IBSC; isotype: SYS); R. X. Yu 003 (paratype: SYS); Ziyuan Exped. 450329160921001LY (paratype: IBK); R. X. Yu 004 (paratype: SYS)

CHINA (Guangdong\*, Guangxi, Hainan)

IUCN: NT; Evidence: morphology; nrITS

Balsaminaceae 凤仙花科

*Impatiens aquatilis* Hook. f. [Typification]

PENG Shuai, RONO Peninah Cheptoo, YANG Jia-xin, WANG Jun-jie, HU Guang-wan, WANG Qing-feng. Description of a New Species and Lectotypification of Two Names in *Impatiens* sect. *Racemosae* (Balsaminaceae) from China. *Plants (MDPI)* [J] 10(1812): 1-11. [E] 2021: [6]. doi: 10.3390/plants10091812

TYPE: F. Ducloux 532 (lectotype: K-000694599)

CHINA (Yunnan\*)

Evidence: morphology

*Impatiens bullatiseppala* G. W. Hu, Y. Y. Cong & Q. F. Wang 泡萼凤仙花 [New Species]

PENG Shuai, CONG Yi-yan, TIAN Jing, ZHANG Cai-fei, HU Guang-wan, WANG Qing-feng. *Impatiens bullatiseppala* (Balsaminaceae), a New Species from Guizhou, China. *Phytotaxa* [J] 500(3): 217-223. [E] 2021: [220]. doi: 10.11646/phytotaxa.500.3.5

TYPE: S. Peng PS-0052 (holotype: HIB; isotype: HIB, HNNU)

CHINA (Guizhou\*)

Evidence: morphology; ITS, atpB-rbcL

*Impatiens clavicuspis* Hook. ex W. W. Smith [Typification]

PENG Shuai, RONO Peninah Cheptoo, YANG Jia-xin, WANG Jun-jie, HU Guang-wan, WANG Qing-feng. Description of a New Species and Lectotypification of Two Names in *Impatiens* sect. *Racemosae* (Balsaminaceae) from China. *Plants (MDPI)* [J] 10(1812): 1-11. [E] 2021: [6]. doi: 10.3390/plants10091812

TYPE: A. Henry 9762 (lectotype: K-000199723)

CHINA (Yunnan\*)

Evidence: morphology

*Impatiens lihengiana* Y. Y. Cong & G. W. Hu [New Species]

SONG Yong-xiu, XIAO Yan, PENG Shuai, CONG Yi-yan, HU Guang-wan. Two New Species of *Impatiens* from China, and Taxonomic Insights into the Longifilamenta Group, Which Is Endemic to China. *Plants (MDPI)* [J] 10(1697): 1-15. [E] 2021: [6]. doi: 10.3390/plants10081697

TYPE: Y. Xiao LS-794 (holotype: CSH; isotype: CSH)

CHINA (Hunan\*)

Evidence: morphology; nrITS, atpB-rbcL

*Impatiens longiaristata* S. Peng, G. W. Hu & Q. F. Wang [New Species]

PENG Shuai, RONO Peninah Cheptoo, YANG Jia-xin, WANG Jun-jie, HU Guang-wan, WANG Qing-feng. Description of a New Species and Lectotypification of Two

Names in *Impatiens* sect. *Racemosae* (Balsaminaceae) from China. *Plants (MDPI)* [J] 10(1812): 1-11. [E] 2021: [3]. doi: 10.3390/plants10091812

**TYPE:** S. Peng, J. X. Yang & J. J. Wang PS-0096 (holotype: HIB-0189503; isotype: HIB-0189504, HIB-0189505, HIB-0189506)

**CHINA** (Sichuan\*)

**IUCN:** LC; **Evidence:** morphology; nrITS, atpB-rbcL

*Impatiens longshanensis* Y. Y. Cong & Y. X. Song [New Species] **SONG Yong-xiu, XIAO Yan, PENG Shuai, CONG Yi-yan, HU Guang-wan.** Two New Species of *Impatiens* from China, and Taxonomic Insights into the Longifilamenta Group, Which Is Endemic to China. *Plants (MDPI)* [J] 10(1697): 1-15. [E] 2021: [2]. doi: 10.3390/plants10081697

**TYPE:** Y. Y. Cong 35443 (holotype: HIB; isotype: HNU)

**CHINA** (Hunan\*)

**Evidence:** morphology; nrITS, atpB-rbcL

*Impatiens rapiformis* Y. Y. Cong & Y. X. Song [New Species] **SONG Yong-xiu, PENG Shuai, CONG Yi-yan, ZHENG Yi-ming.** *Impatiens rapiformis*, a New Species of *Impatiens* with Root Tuber from Yunnan, China. *Nordic Journal of Botany* [J] 39(e03151): 1-7. [E] 2021: [2]. doi: 10.1111/njb.03151

**TYPE:** Y. Y. Cong 21289 (holotype: HNU; isotype: HNU)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology; ITS, atpB-rbcL

*Impatiens shangjiangensis* Y. Y. Cong & J. Z. Gu [New Species] **GU Jian-zhong, YANG Ning, PENG Yang-cheng, SONG Yong-xiu, GUO Shi-wei, CONG Yi-yan.** *Impatiens shangjiangensis* (Balsaminaceae), a New Species from Yunnan, China. *Annales Botanici Fennici* [J] 58(4-6): 181-187. [E] 2021: [198]. doi: 10.5735/085.058.0401

**TYPE:** J. Z. Gu 32241 (holotype: HNU; isotype: HNU)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Impatiens sterilis* Y. Y. Cong & Y. X. Song 丝序凤仙花 [New Species]

**SONG Yong-xiu, CONG Yi-yan, KUANG Ren-ping, PENG Yang-cheng, ZHENG Yi-ming.** *Impatiens sterilis*, a Rare New Species of *Impatiens* with Reduced Sterile Inflorescences from Yunnan, China. *Taiwania* [J] 66(1): 48-52. [E] 2021: [48]. doi: 10.6165/tai.2021.66.48

**TYPE:** Y. Y. Cong 791435 (holotype: HNU; isotype: HNU)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology

*Impatiens wutaishanensis* R. L. Liao & Lei Cai 五台山凤仙花 [New Species]

**LIAO Rong-li, CAI Lei, YU Zhi-yong, WANG Yue-hua, SUN Wei-bang.** *Impatiens wutaishanensis* (Balsaminaceae), a New Species from Southeast Yunnan, China. *PhytoKeys* [J] 176: 43-53. [E] 2021: [45]. doi: 10.3897/phytokeys.176.58825

**TYPE:** Lei Cai & Z. Y. Yu CL16050 (holotype: KUN-1498854; isotype: KUN-1498855); Lei Cai & al. CL155 (paratype: KUN); R. L. Liao & X. Y. Li LRL202008003 (paratype: KUN); R. L. Liao & X. Y. Li LRL202008001 (paratype: KUN)

**CHINA** (Yunnan\*)

**IUCN:** VU; **Evidence:** morphology

**Begoniaceae 秋海棠科**

*Begonia arunachalensis* D. Borah & Wahlsteen [New Species] **BORAH D., TARAM M., YAMA L., WAHLSTEEN E.** *Begonia arunachalensis* (Begoniaceae), a New Tuberos Species of *Begonia* from Arunachal Pradesh, India. *The Gardens' Bulletin Singapore* [J] 72(2): 475-480. [E] 2021: [476]. doi: 10.26492/gbs72(1).2020-17

**TYPE:** D. Borah, M. Taram & L. Yama 5671 (holotype: CAL; isotype: CAL)

**CHINA** (Xizang\*)

**IUCN:** LC; **Evidence:** morphology

*Begonia caryotarum* Y. M. Shui & W. H. Chen [New Species] **DONG Wen-ke, LI Jing-xiu, CHEN Wen-hong, XIAO Bo, SHUI Yu-min.** *Begonia caryotarum* (*Begonia* sect. *Platycentrum*), a New Species from Southeast Yunnan, China. *Phytotaxa* [J] 529(1): 113-118. [E] 2021: [113]. doi: 10.11646/phytotaxa.529.1.9

**TYPE:** Y. M. Shui, J. X. Li & al. B2021-002 (holotype: KUN)

**CHINA** (Yunnan\*)

**IUCN:** CR; **Evidence:** morphology

*Begonia fagopyrofolia* W. H. Chen & Y. M. Shui [New Species] **CHEN Wen-Hong, WU Jian-Yong, RADBOUCHOUM Sirilak, SHUI Yu-Min.** Validation and Morphology of *Begonia fagopyrofolia* in *B.* sect. *Stolonifera* (Begoniaceae) in China. *Phytotaxa* [J] 479(1): 105-113. [E] 2021: [111]. doi: 10.11646/phytotaxa.479.1.8

**TYPE:** Y. M. Shui & W. H. Chen 44326 (holotype: KUN; isotype: IBSC, KUN, PE)

**CHINA** (Yunnan\*)

**IUCN:** VU; **Evidence:** morphology

*Begonia fagopyrofolia* W. H. Chen & Y. M. Shui, nom. nud., Seed Plants of the Karst Region in China, vol. 1., figs 116a-d, 2006.

*Begonia fenshuilingensis* X. X. Feng, R. K. Li & Z. X. Liu 分水岭秋海棠 [New Species]

**FENG Xin-xin, LIU Zhi-xian, WEI Dan, LI Ren-kun, HUANG Yu-ni, GUO Le-dong, GUO Wei, CHEN Su-fang.** *Begonia fenshuilingensis*, a New Species in *Begonia* sect. *Platycentrum* (Begoniaceae) from Southeastern Yunnan, China. *Phytotaxa* [J] 527(4): 266-274. [E] 2021: [267]. doi: 10.11646/phytotaxa.527.4.4

**TYPE:** X. X. Feng, R. K. Li & Z. X. Liu s.n. (holotype: SYS-0023630; isotype: SYS, CSH)

**CHINA** (Yunnan\*)

**IUCN:** VU; **Evidence:** morphology; ITS

*Begonia giganticaulis* D. K. Tian & W. G. Wang 巨型秋海棠 [New Species]

**TIAN Dai-ke, WANG Wen-guang, DONG Li-na, XIAO Yan, ZHENG Min-min, GE Bin-jie.** A New Species (*Begonia giganticaulis*) of Begoniaceae from Southern Xizang (Tibet) of China. *PhytoKeys* [J] 187: 189-205. [E] 2021: [194]. doi: 10.3897/phytokeys.187.75854

**TYPE:** D. K. Tian & al. TDK4773-A (holotype: CSH-0180561)

**CHINA** (Xizang\*)

**IUCN:** EN; **Evidence:** morphology; ITS, rpL16, ndhA

*Begonia hymenophylloides* Kingdon-Ward ex L. B. Sm. & Wassh. [New Species]

**TIAN Jing, WANG Yan, REN Jing, PENG Shuai, WANG Jun-jie, ZHANG Cai-fei, HU Guang-wan.** Rediscovery and Supplemental Description of *Begonia hymenophylloides* (Begoniaceae) as New Record in China. *Phytotaxa* [J] 528(2): 139-143. [E] 2021: [139]. doi: 10.11646/phytotaxa.528.2.7  
**TYPE:** F. K. Ward 7334 (type: K)  
**CHINA** (Yunnan); **MYANMAR\***  
**Evidence:** morphology

*Begonia nangunheensis* Y. M. Shui & W. H. Chen [New Species]  
**GUO Shi-wei, CHEN Wen-hong, AUNG Aung, RADBOUCHOOM Sirilak, ZHAO Jin-chao, LI Zhi-hong, SHUI Yu-min.** *Begonia nangunheensis*, a New Species of Begoniaceae from Yunnan Province, China. *Phytotaxa* [J] 480(2): 201-209. [E] 2021: [202]. doi: 10.11646/phytotaxa.480.2.9  
**TYPE:** S. W. Guo & H. H. Xi B2017-121 (holotype: KUN; isotype: PE)  
**CHINA** (Yunnan\*)  
**IUCN:** CR; **Evidence:** morphology

*Begonia oyuniae* M. Taram & N. Krishna [New Species]  
**TARAM M., BORAH D., KRISHNA N., PRADEEP A. K., AMRUTHA A., HUGHES M.** *Begonia oyuniae* (Begonia sect. Monophyllon, Begoniaceae), a Remarkable New Species from Northeast India. *The Gardens' Bulletin Singapore* [J] 72(1): 109-115. [E] 2021: [110]. doi: 10.26492/gbs72(1).2020-10  
**TYPE:** M. Taram 301 (holotype: CAL; isotype: ASSAM)  
**CHINA** (Xizang\*)  
**IUCN:** LC; **Evidence:** morphology

*Begonia pasighatensis* D. Borah, Taram & Wahlsteen [New Species]  
**BORAH Dipankar, TARAM Momang, WAHLSTEEN Eric.** A New Begonia Species from Arunachal Pradesh, and Some Notes on *Begonia scintillans*. *Taiwania* [J] 66(4): 450-454. [E] 2021: [450]. doi: 10.6165/tai.2021.66.450  
**TYPE:** M. Taram & D. Borah 3271 (holotype: CAL; isotype: CAL)  
**CHINA** (Xizang\*)  
**Evidence:** morphology

*Begonia pseudoedulis* D. K. Tian, X. X. Feng & R. K. Li 假食用秋海棠 [New Species]  
**FENG Xin-xin, XIAO Yan, LIU Zhi-xian, LI Ren-kun, WEI Dan, TIAN Dai-ke.** *Begonia pseudoedulis*, a New Species in Begonia sect. *Platycentrum* (Begoniaceae) from Southern Guangxi of China. *PhytoKeys* [J] 182: 113-124. [E] 2021: [116]. doi: 10.3897/phytokeys.182.69074  
**TYPE:** X. X. Feng, Z. X. Liu, & R. K. Li FXX201001 (holotype: CSH-0185896; isotype: CSH, SYS)  
**CHINA** (Guangxi\*)  
**IUCN:** NT; **Evidence:** morphology; ITS

*Begonia scorpiuroloba* D. K. Tian & Q. Tian 蝎尾裂秋海棠 [New Species]  
**TIAN Dai-Ke, GE Bin-Jie, XIAO Yan, TIAN Qi, LI Chun.** *Begonia scorpiuroloba*, a New Species in Begonia sect. *Platycentrum* (Begoniaceae) from Southern Guangxi of China. *Phytotaxa* [J] 479(2): 191-197. [E] 2021: [191]. doi: 10.11646/phytotaxa.479.2.5  
**TYPE:** C. Li & L. H. Yang TDK2269 (holotype: CSH-0149988)  
**CHINA** (Guangxi\*)

**IUCN:** CR; **Evidence:** morphology

*Begonia shenzhenensis* D. K. Tian & X. Yun Wang 深圳秋海棠 [New Species]  
**TIAN Dai-ke, CHEN Bin, XIAO Yan, ZHENG Min-min, GE Bin-jie.** *Begonia shenzhenensis*, a New Species of Begoniaceae from Guangdong, China. *PhytoKeys* [J] 178: 171-177. [E] 2021: [172]. doi: 10.3897/phytokeys.178.66462  
**TYPE:** D. K. Tian, X. Yun Wang, B. Chen & S. P. Zhong TDK4160 (holotype: CSH-0182483); X. Yun Wang TDK 3981 (paratype: CSH); D. K. Tian TDK4832 (paratype: CSH)  
**CHINA** (Guangdong\*)  
**IUCN:** CR; **Evidence:** morphology

#### Berberidaceae 小檗科

*Berberis pruinosa* Franch. 粉叶小檗 [New Synonymy]  
**LI Xin-hua, YUAN Sen, FAN Jun, SHI Xiao-ping.** Morphological Variation Patterns of *Berberis pruinosa* (Berberidaceae) and Its Taxonomic Revision. *Journal of Tropical and Subtropical Botany* [J] 29(4): 401-405. [C] 2021: [402]. doi: 10.11926/jtsb.4307  
**TYPE:** Delavay 493 (lectotype: P-00716556)  
**CHINA** (Yunnan\*)  
**Evidence:** morphology  
**S:** *Berberis pruinosa* Franch. var. *barresiana* Ahrendt (Barres 156-32, type: K-1092826); *Berberis pruinosa* Franch. var. *brevifolia* Ahrendt; *Berberis pruinosa* Franch. var. *longifolia* Ahrendt; *Berberis pruinosa* Franch. var. *serratifolia* Ahrendt

*Berberis pruinosa* Franch. 粉叶小檗 [Typification]  
**LI Xin-hua, YUAN Sen, FAN Jun, SHI Xiao-ping.** Morphological Variation Patterns of *Berberis pruinosa* (Berberidaceae) and Its Taxonomic Revision. *Journal of Tropical and Subtropical Botany* [J] 29(4): 401-405. [C] 2021: [402]. doi: 10.11926/jtsb.4307  
**TYPE:** Delavay 493 (lectotype: P-00716556)  
**CHINA** (Yunnan\*)  
**Evidence:** morphology

*Dysosma pleiantha* (Hance) Woodson f. *alba* (Masam.) W. Y. Xie & D. D. Ma 白花六角莲 [New Combination]  
**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [94]. doi: 10.3785/j.issn.1008-9497.2021.01.013  
**CHINA** (Taiwan, Zhejiang)  
**Evidence:** morphology  
**B:** *Podophyllum pleianthum* Hance var. *album* Masam.

*Mahonia lancasteri* O. Colin [New Species]  
**COLIN Olivier, HINSINGER Damien Daniel, STRIJK Joeri Sergej.** *Mahonia lancasteri* (Berberidaceae), a New Species Originating from Sichuan (China) Described from Cultivation. *Phytotaxa* [J] 482(1): 45-54. [E] 2021: [46]. doi: 10.11646/phytotaxa.482.1.5  
**TYPE:** O. Colin, J. Strijk, D. Hinsinger & R. Hinsinger BGT7000 (holotype: BGT)  
**CHINA** (Sichuan\*)  
**IUCN:** DD; **Evidence:** morphology; accD, rbcL, ndhF, trnH-psbA



### Bignoniaceae 紫葳科

*Incarvillea uniflora* H. P. Deng & Chang Y. Xia [New Species]  
**XIA Chang-ying, LAN Xiao-zhong, ZUO You-wei, LIN Le, DENG Hong-ping.** *Incarvillea uniflora* (Bignoniaceae), a New Species from Hengduan Mountains, Southwest China. *Phytotaxa* [J] 528(1): 52-58. [E] 2021: [278]. doi: 10.11646/phytotaxa.528.1.5

**TYPE:** X. Z. Lan, L. Q. Li & J. Luo542129130803144LY (holotype: ISBC); X. Z. Lan, L. Q. Li & J. Luo 542129140618419LY (paratype: IBSC, SWCTU)

**CHINA** (Xizang\*)

**IUCN:** DD; **Evidence:** morphology

### Boraginaceae 紫草科

*Eritrichium subjacquemontii* Popov [New Synonyms]

**HAO Jia-chen, WANG Ying-wei, LIU Quan-ru.** *Eritrichium aktonense*, a New Synonym of *E. subjacquemontii* (Boraginaceae). *Phytotaxa* [J] 529(1): 119-124. [E] 2021: [120]. doi: 10.11646/phytotaxa.529.1.10

**TYPE:** Lipshits 451 (holotype: MW-0594327; isotype: MW-0594328)

**CHINA** (Xinjiang); TAJIKISTAN\*

**Evidence:** morphology

**S:** *Eritrichium aktonense* Y. S. Lian & J. Q. Wang (Northwest Inst. Bot. Xinjiang Exped. 751, holotype: NWTC-333228; isotype: NWTC-333227)

*Pseudolappula occultata* (Popov) Q. R. Liu & D. H. Liu [New Combination]

**LIU Dan-hui, XU Xue-min, HE Yi, LIU Quan-ru.** A New Combination in *Pseudolappula* (Boraginaceae, Rochelieae) Based on Morphological, Molecular and Palynological Evidence. *PhytoKeys* [J] 187: 77-92. [E] 2021: [86]. doi: 10.3897/phytokeys.187.75346

**TYPE:** Popov 697 (type: TASH-003719)

**CHINA** (Xinjiang); TAJIKISTAN\*

**Evidence:** morphology; ITS, trnL-F

**B:** *Lappula occultata* Popov

### Brassicaceae 十字花科

*Cardamine hunanensis* Al-Shehbaz, L. Wu & W. J. Liu [New Species]

**WU Lei, LIU Wen-jian, MU Cun, AL-SHEHBAZ Ihsan A.** *Cardamine hunanensis* (Brassicaceae), a Remarkable New Species from Hunan (China) with Fully Bracteate Racemes. *Phytotaxa* [J] 512(1): 79-82. [E] 2021: [79]. doi: 10.11646/phytotaxa.512.1.7

**TYPE:** W. J. Liu & X. F. Song ms724 (holotype: CSFI-076072; isotype: CSFI)

**CHINA** (Hunan\*)

**Evidence:** morphology

*Cardamine xinfeniae* Al-Shehbaz [Correction]

**DENG Yun-fei.** The Correct Spelling for the Name *Cardamine xinfenii* (Brassicaceae). *Phytotaxa* [J] 514(2): 180-180. [E] 2021: [180]. doi: 10.11646/phytotaxa.514.2.10

**TYPE:** S. H. Zhao & J. B. Shi 117125 (holotype: CDBI-10034702; isotype: SZ-00172780, SZ-00172784)

**CHINA** (Sichuan\*)

**Evidence:** morphology

**A:** *Cardamine xinfenii* Al-Shehbaz

*Microstigma junatovii* Grubov 尤纳托夫小柱芥 [New Record]  
**WU Ye-hui, YANG Jin-rong, ZHAO Li-qing.** Plant Classification and Geographical Distribution of *Microstigma* Trautv. *Guihaia* [J] 41(3): 464-469. [C] 2021: [468]. doi: 10.11931/guihaia.gxzw202006055

**CHINA** (Nei Mongol); MONGOLIA

**Evidence:** morphology

*Orychophragmus ningboensis* G. Y. Li, H. L. Lin & Xiu P. Li 宁波诸葛菜 [New Species]  
**LI Gen-you, LI Xiu-peng, CHEN Zheng-hai, MA Dan-dan, LIN Hai-lun.** New Taxa of Seed Plants from Ningbo, Zhejiang Province. *Botanical Research in Ningbo* [B]: 340-345. [C] 2021: [340].

**TYPE:** H. L. Lin LHL2014012 (holotype: ZJFC); X. P. Li FH20190143 (paratype: ZJFC)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Rorippa hengduanshanensis* Q. J. Zheng, C. C. Yu, T. S. Han & Y. W. Xing 横断山蔊菜 [New Species]

**ZHENG Quan-jing, YU Chih-chieh, XING Yao-wu, HAN Ting-shen.** A New *Rorippa* Species (Brassicaceae), *R. hengduanshanensis*, from the Hengduan Mountains in China. *Phytotaxa* [J] 480(3): 210-222. [E] 2021: [219]. doi: 10.11646/phytotaxa.480.3.1

**TYPE:** Q. J. Zheng 4639 (holotype: HITBC-0035715, isotype: HITBC, PE, KUN)

**CHINA** (Yunnan\*)

**IUCN:** NT; **Evidence:** morphology; psbC-trnS, trnG-trnM, trnL

*Smelowskia sunhangii* T. Deng, X. J. Zhang & J. T. Chen 毛果藏芥 [New Species]

**ZHANG Xin-jian, CHEN Jun-tong, AL-SHEHBAZ Ihsan A., LIU Qun, LI Li-juan, LIU Peng-ju, HUANG Xian-han, DENG Tao.** *Smelowskia sunhangii* (Brassicaceae), a New Species from China, with a Re-Evaluation of the *S. tibetica* Complex. *PhytoKeys* [J] 178: 179-191. [E] 2021: [185]. doi: 10.3897/phytokeys.178.62922

**TYPE:** J. T. Chen, X. Zhang & T. H. Kuang HuangXH025-13 (holotype: KUN-1498313; isotype: KUN-1498314); D. G. Zhang DengT051-14 (paratype: KUN); P. J. Liu & H. H. Shi Deng7262 (paratype: KUN); T. Deng, X. H. Huang, Z. Y. Lv & L. J. Li DengT128-9 (paratype: KUN); T. Deng, X. H. Huang, Z. Y. Lv & L. J. Li DengT105-23 (paratype: KUN); J. W. Zhang, B. Yang & H. L. Chen Zh641 (paratype: KUN)

**CHINA** (Qinghai\*, Xizang)

**Evidence:** morphology; ITS

### Buxaceae 黄杨科

*Sarcococca orientalis* C. Y. Wu f. *variegata* X. D. Mei, Z. H. Chen & G. Y. Li 斑叶野扇花 [New Form]

**LI Gen-you, WANG Jun-feng, XIE Wen-yuan, ZHANG Fen-yao, MEI Xu-dong, CHEN Zheng-hai.** Notes on the Seed Plant Flora of Zhejiang (VIII). *Journal of Zhejiang Forestry Science and Technology* [J] 41(1): 40-46. [C] 2021: [44]. doi: 10.3969/j.issn.1001-3776.2021.01.006

**TYPE:** J. Lin, Z. H. Chen & G. Y. Li JN 20101602 (holotype: ZM; isotype: ZM); Z. H. Chen & G. Y. Li JN 20101603 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

### Campanulaceae 桔梗科

*Codonopsis atriplicifolia* Yan Yu & Qiang Wang 滨藜叶党参 [New Species]

**ZHOU Yu-yang, SI Yun-hao, ZHANG Zhen, WANG Qiang, YU Yan.** *Codonopsis atriplicifolia* (Campanulaceae), a New Species from Western Sichuan, China. *Phytotaxa* [J] 512(3): 197-204. [E] 2021: [199]. doi: 10.11646/phytotaxa.512.3.7

**TYPE:** Y. Yu & al. DS02 (holotype: SZ-02042692; isotype: SZ-02042693, SZ-02042694, SZ-02042695)

**CHINA** (Sichuan\*)

**Evidence:** morphology; matK, petB-petD, rbcL

### Caprifoliaceae 忍冬科

*Heptacodium miconioides* Rehder subsp. *jasminoides* (Airy Shaw) Z. H. Chen, X. F. Jin & P. L. Chiu 浙江七子花 [New Combination]

**CHEN Zheng-hai, QIU Bao-lin, XIE Wen-yuan, CHEN Feng, JIN Xiao-feng.** New Materials of Caprifoliaceae in Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(3): 280-283 (294). [C] 2021: [280]. doi: 10.19926/j.cnki.issn.1674-232X.2021.03.010

**TYPE:** W. Hancock 98 (lectotype: K-00797646); W. Hancock 22 (syntype: K-00797647)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

**B:** *Heptacodium jasminoides* Airy Shaw

*Lonicera gynochlamydea* Hemsl. subsp. *dapanshanensis* Z. H. Chen, G. Y. Li & Jian S. Wang 大盘山忍冬 [New Subspecies]

**LI Gen-you, XIE Wen-yuan, WANG Jian-sheng, CHEN Feng, CHEN Zheng-hai.** New Examples of Biogeographical Evolution in Migration of Southwest China-Central China-East China Flora. *Journal of Zhejiang Forestry Science and Technology* [J] 41(6): 86-90. [C] 2021: [89]. doi: 10.3969/j.issn.1001-3776.2021.06.014

**TYPE:** L. L. Pan, A. G. He & Z. H. Chen PA21042901 (holotype: ZM; isotype: PE, ZM); L. Hong 2175 (paratype: HHBG); Z. H. Chen & al. PA21041001 (paratype: ZM); Y. H. Zhou, Y. R. Zhu & Z. H. Chen PA21043001 (paratype: ZM); Y. H. Zhou, Y. R. Zhu & Z. H. Chen PA21043002 (paratype: ZM); Y. H. Zhou, Y. R. Zhu & Z. H. Chen PA21043003 (paratype: ZM); Y. H. Zhou, Y. R. Zhu & Z. H. Chen PA21043004 (paratype: ZM); G. Y. Li, D. D. Ma & G. K. Chen PA21042902 (paratype: ZM); A. G. He, Z. H. Chen & J. S. Wang PA21042904 (paratype: ZM); s.coll. 7283 (paratype: PE, NAS); M. B. Deng & H. T. Wei 89020 (paratype: NAS)

**CHINA** (Anhui, Zhejiang\*)

**Evidence:** morphology

*Lonicera tricalysioides* C. Y. Wu ex P. S. Hsu & H. J. Wang [New Recognition]

**ZENG You-pai, LUO Yu-feng, YANG Qin-er.** Reinstatement of *Lonicera tricalysioides* (Caprifoliaceae) as a Distinctive Species from China. *Phytotaxa* [J] 490(2): 183-190. [E] 2021: [184]. doi: 10.11646/phytotaxa.490.2.4

**TYPE:** Bijie Exped. 1221 (holotype: KUN; isotype: PE)

**CHINA** (Guizhou\*, Sichuan)

**IUCN:** DD; **Evidence:** morphology

**S:** *Lonicera ligustrina* Wall. var. *pileata* (Oliv.) Franch.

*Lonicera webbiana* Wall. ex DC. subsp. *hemsleyana* (Kuntze) Z. H. Chen, G. Y. Li & W. Y. Xie 倒卵叶忍冬 [New Combination]

**LI Gen-you, XIE Wen-yuan, WANG Jian-sheng, CHEN Feng, CHEN Zheng-hai.** New Examples of Biogeographical Evolution in Migration of Southwest China-Central China-East China Flora. *Journal of Zhejiang Forestry Science and Technology* [J] 41(6): 86-90. [C] 2021: [88]. doi: 10.3969/j.issn.1001-3776.2021.06.014

**TYPE:** Maries s.n. (holotype: K-000396497)

**CHINA** (Jiangxi\*, Zhejiang)

**Evidence:** morphology

**B:** *Caprifolium hemsleyanum* Kuntze

### Caryophyllaceae 石竹科

*Cerastium huadingense* Y. F. Lu, W. Y. Xie & X. F. Jin 华顶卷耳 [New Species]

**LU Yi-fei, XU Yue-liang, XIE Wen-yuan, ZHANG Hong-wei, ZHENG Zi-hong, CAI Xin, JIN Xiao-feng.** Two New Species and a New Combination from Zhejiang, East China. *PhytoKeys* [J] 184: 111-126. [E] 2021: [112]. doi: 10.3897/phytokeys.184.73327

**TYPE:** X. F. Jin & Y. F. Lu 4583 (holotype: ZM; isotype: HTC, PE)

**CHINA** (Zhejiang\*)

**IUCN:** VU; **Evidence:** morphology

*Pseudostellaria wuyishanensis* Xiao Luo & Q. Y. Yang [New Species]

**LUO Xiao, YANG Qi-yi, ZHANG Zhe, ZHU Pan, MA Liang, CHEN Xin-yan, LIN Shu-yi, CHEN Shi-pin.** *Pseudostellaria wuyishanensis*, a New Species of Caryophyllaceae from Fujian, China. *PhytoKeys* [J] 181: 21-28. [E] 2021: [22]. doi: 10.3897/phytokeys.181.67436

**TYPE:** X. Luo & Q. Y. Yang 20190501 (holotype: FAFU; isotype: FAFU)

**CHINA** (Fujian\*)

**IUCN:** DD; **Evidence:** morphology

### Celastraceae 卫矛科

*Gymnosporia diversifolia* Maxim. var. *inermis* Z. H. Chen & G. Y. Li 无刺裸实 [New Variety]

**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [95]. doi: 10.3785/j.issn.1008-9497.2021.01.013

**TYPE:** Z. H. Chen & al. 910836 (holotype: ZM); Z. H. Chen & al. 910837 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Parnassia xinganensis* C. Z. Gao & G. Z. Li [New Synonyms]

**DAI Xiao-Song, MIN Dao-Zhang, YANG Bo, WU Ding, LI Bo.** Taxonomic Note of *Parnassia* (Celastraceae) in China II: Population Surveys Reveal That *P. guilinensis* Is Conspecific to *P. xinganensis*. *PhytoKeys* [J] 172: 67-73. [E] 2021: [69]. doi: 10.3897/phytokeys.172.62749

**TYPE:** G. Z. Li 62923 (holotype: IBK-00185227; isotype: IBK-00200466)

**CHINA** (Guangxi\*)

**IUCN:** LC; **Evidence:** morphology

**S:** *Parnassia guilinensis* G. Z. Li & S. C. Tang (G. Z. Li & S. C. Tang M93, holotype: IBK-00200636)

**Perrottetia taronensis** B. M. Barthol. & K. Armstr. [New Species]  
**BARTHOLOMEW Bruce, ARMSTRONG Kate E., LI Rong, FRITSCH Peter W.** *Perrottetia taronensis* B. M. Barthol. & K. Armstr., sp. nov. (Dipentodontaceae), a New Species from Northwestern Yunnan Province, China and Northern Kachin State, Myanmar and a Re-examination of the Asian and Australasian Taxa of *Perrottetia*. *PhytoKeys* [J] 183: 67-76. [E] 2021: [68]. doi: 10.3897/phytokeys.183.71505

**TYPE:** Gaoligong Shan Biodiversity Survey 32394 (holotype: KUN-1418097; isotype: BRIT-478072, CAS-346898, E-01016879, GH-00288213); Dulong Jiang Investigation Team 579 (paratype: CAS, KUN); H. Li 12931 (paratype: CAS, E, MO); H. Li 15072 (paratype: CAS, KUN); H. Li 15156 (paratype: CAS, KUN); H. Li 15230 (paratype: CAS, KUN); Kate Armstrong 2983 (paratype: CAS, E, NY, RAF)

**CHINA** (Yunnan\*); **MYANMAR**

**Evidence:** morphology

#### Colchicaceae 秋水仙科

**Disporum dushanense** Bo Wang bis, Ze H. Wang & Q. W. Sun [New Species]

**WANG Bo, WANG Ze-huan, CHEN Chun-ling, XU Wen-fen, SUN Qing-wen.** *Disporum dushanense* (Colchicaceae), a New Species from Guizhou, China. *Phytotaxa* [J] 528(2): 144-148. [E] 2021: [144]. doi: 10.11646/phytotaxa.528.2.8

**TYPE:** Bo Wang wb-202004003 (holotype: GZTM; isotype: GZTM)

**CHINA** (Guizhou\*)

**Evidence:** morphology

#### Commelinaceae 鸭跖草科

**Amischotolype microphylla** (Y. Wan) C. K. Lee, Fuse & M. N. Tamura [New Combination]

**LEE Chung-Kun, FUSE Shizuka, POOPATH Manop, POOMA Rachun, TAMURA Minoru N.** Phylogenetics and Intrafamilial Classification of Commelinaceae (Commelinales). *Botanical Journal of the Linnean Society* [J] 198(2): 117-130. [E] 2021: [127].

**CHINA** (Guangxi)

**Evidence:** morphology; rbcL, matK, accD sequence

**B:** *Porandra microphylla* Y. Wan

**Amischotolype ramosa** (D. Y. Hong) C. K. Lee, Fuse & M. N. Tamura [New Combination]

**LEE Chung-Kun, FUSE Shizuka, POOPATH Manop, POOMA Rachun, TAMURA Minoru N.** Phylogenetics and Intrafamilial Classification of Commelinaceae (Commelinales). *Botanical Journal of the Linnean Society* [J] 198(2): 117-130. [E] 2021: [127].

**CHINA** (Guangxi, Guizhou, Yunnan)

**Evidence:** morphology; rbcL, matK, accD sequence

**B:** *Porandra ramosa* D. Y. Hong

**Amischotolype scandens** (D. Y. Hong) C. K. Lee, Fuse & M. N. Tamura [New Combination]

**LEE Chung-Kun, FUSE Shizuka, POOPATH Manop, POOMA Rachun, TAMURA Minoru N.** Phylogenetics and Intrafamilial Classification of Commelinaceae (Commelinales). *Botanical Journal of the Linnean Society* [J] 198(2): 117-130. [E] 2021: [127].

**CHINA** (Yunnan); **LAOS, THAILAND, VIETNAM**

**Evidence:** morphology; rbcL, matK, accD sequence

**B:** *Porandra scandens* D. Y. Hong

**Subtrib. Cochliostematinae** (Pichon) C. K. Lee, Fuse & M. N. Tamura [New Combination]

**LEE Chung-Kun, FUSE Shizuka, POOPATH Manop, POOMA Rachun, TAMURA Minoru N.** Phylogenetics and Intrafamilial Classification of Commelinaceae (Commelinales). *Botanical Journal of the Linnean Society* [J] 198(2): 117-130. [E] 2021: [127].

**Evidence:** morphology; rbcL, matK, accD sequence

**B:** Trib. Cochliostemateae Pichon

**Subtrib. Commelininae** C. K. Lee, Fuse & M. N. Tamura [New Subtribe]

**LEE Chung-Kun, FUSE Shizuka, POOPATH Manop, POOMA Rachun, TAMURA Minoru N.** Phylogenetics and Intrafamilial Classification of Commelinaceae (Commelinales). *Botanical Journal of the Linnean Society* [J] 198(2): 117-130. [E] 2021: [127].

**TYPE:** *Commelina* L.

**Evidence:** morphology; rbcL, matK, accD sequence

**Subtrib. Murdanninae** C. K. Lee, Fuse & M. N. Tamura [New Subtribe]

**LEE Chung-Kun, FUSE Shizuka, POOPATH Manop, POOMA Rachun, TAMURA Minoru N.** Phylogenetics and Intrafamilial Classification of Commelinaceae (Commelinales). *Botanical Journal of the Linnean Society* [J] 198(2): 117-130. [E] 2021: [127].

**TYPE:** *Murdannia* Royle

**Evidence:** morphology; rbcL, matK, accD sequence

**Trib. Palisoteae** (Faden & D. R. Hunt) C. K. Lee, Fuse & M. N. Tamura [New Combination]

**LEE Chung-Kun, FUSE Shizuka, POOPATH Manop, POOMA Rachun, TAMURA Minoru N.** Phylogenetics and Intrafamilial Classification of Commelinaceae (Commelinales). *Botanical Journal of the Linnean Society* [J] 198(2): 117-130. [E] 2021: [127].

**Evidence:** morphology; rbcL, matK, accD sequence

**B:** Subtrib. Palisotinae Faden & D. R. Hunt

**Trib. Streptoliriae** (Faden & D. R. Hunt) C. K. Lee, Fuse & M. N. Tamura [New Combination]

**LEE Chung-Kun, FUSE Shizuka, POOPATH Manop, POOMA Rachun, TAMURA Minoru N.** Phylogenetics and Intrafamilial Classification of Commelinaceae (Commelinales). *Botanical Journal of the Linnean Society* [J] 198(2): 117-130. [E] 2021: [127].

**Evidence:** morphology; rbcL, matK, accD sequence

**B:** Subtrib. Streptoliriinae Faden & D. R. Hunt

#### Costaceae 闭鞘姜科

**Hellenia deliniana** Juan Chen, L. Y. Zeng & N. H. Xia 莴笋花 [New Name]

**CHEN Juan, ZENG Lin-ya, ZENG Si-jin, TAN Yun-hong, XIA Nian-he.** Taxonomic Studies on the Chinese Costaceae I: a New Name and Two New Combinations. *Phytotaxa* [J] 512(3): 159-168. [E] 2021: [163]. doi: 10.11646/phytotaxa.512.3.3

**TYPE:** P. I Mao 2687 (holotype: IBSC-0005266; isotype: IBSC-0002238, KUN-0335078, KUN-0335079, PE-00075117)

**CHINA** (Yunnan\*)

**Evidence:** morphology

**R:** *Costus chinensis* T. L. Wu & S. J. Chen

*Hellenia oblonga* (S. Q. Tong) Juan Chen, L. Y. Zeng & N. H. Xia [**New Combination**]

**CHEN Juan, ZENG Lin-ya, ZENG Si-jin, TAN Yun-hong, XIA Nian-he.** Taxonomic Studies on the Chinese Costaceae I: a New Name and Two New Combinations. *Phytotaxa* [J] 512(3): 159-168. [E] 2021: [165]. doi: 10.11646/phytotaxa.512.3.3

**TYPE:** S. Q. Tong & C. J. Liao 24866 (holotype: KUN-1219295; isotype: KUN-1219278)

**CHINA** (Xizang, Yunnan\*)

**Evidence:** morphology

**B:** *Costus oblongus* S. Q. Tong

*Hellenia viridis* (S. Q. Tong) Juan Chen, L. Y. Zeng & N. H. Xia 绿苞莴笋花 [**New Combination**]

**CHEN Juan, ZENG Lin-ya, ZENG Si-jin, TAN Yun-hong, XIA Nian-he.** Taxonomic Studies on the Chinese Costaceae I: a New Name and Two New Combinations. *Phytotaxa* [J] 512(3): 159-168. [E] 2021: [166]. doi: 10.11646/phytotaxa.512.3.3

**TYPE:** S. Q. Tong & W. D. Liao 24822 (holotype: KUN-1219281)

**CHINA** (Yunnan\*); INDIA

**Evidence:** morphology

**B:** *Costus viridis* S. Q. Tong

#### Cucurbitaceae 葫芦科

*Trichosanthes sunhangii* D. G. Zhang, Zhi M. Li, Qun Liu & T. Deng 神农架栝楼 [**New Species**]

**LIU Qun, LIN Nan, ZHANG Dai-Gui, HUANG Xian-Han, WANG Heng-Chang, YANG Jing-Yuan, TOJIBAEV Komiljon, LV Zhen-Yu, DENG Tao, LI Zhi-Min.** *Trichosanthes sunhangii* (Cucurbitaceae), a New Species from Hubei, China. *Phytotaxa* [J] 479(3): 287-294. [E] 2021: [290]. doi: 10.11646/phytotaxa.479.3.5

**TYPE:** D. G. Zhang & al. 20110728049 (holotype: KUN-1498246; isotype: KUN-1498247, JIU); Q. Liu gl001 (paratype: KUN); Q. Liu gl002 (paratype: KUN)

**CHINA** (Hubei\*)

**Evidence:** morphology; ITS, matK, rpl20-rps12

#### Cyperaceae 莎草科

*Bulbostylis barbata* (Rottb.) C. B. Clarke [**New Synonymy**]

**LI Bang-ze, ZHANG Shu-ren.** A New Synonym in *Bulbostylis* (Cyperaceae) from China. *Phytotaxa* [J] 529(1): 119174-176. [E] 2021: [175]. doi: 10.11646/phytotaxa.529.1.14

**TYPE:** s.coll. 68 (holotype: C-1000999)

**CHINA** (Guangdong, Macao)

**Evidence:** morphology

**S:** *Bulbostylis eriophora* (Steud.) H. Pfeiff; *Cyperus eriophorus* Steud. (J. Decaisne s.n., holotype: P-00068170)

*Carex maolanensis* Y. F. Deng & Xi X. Zhang [**New Species**]

**ZHANG Xi-xi, YAO Zheng-ming, MENG Hui-li, DENG Yun-fei.** *Carex maolanensis* (Cyperaceae), a New Species from Guizhou, China. *Phytotaxa* [J] 525(2): 137-146. [E] 2021: [139]. doi: 10.11646/phytotaxa.525.2.4

**TYPE:** Y. F. Deng 27275 (holotype: IBSC); F. L. Chen & al. LB1460 (paratype: IBSC); F. L. Chen & al. LB1465 (paratype: IBSC); Y. F. Deng 21618 (paratype: IBSC); X. X. Zhang 273

(paratype: IBSC); Y. F. Deng & T. Y. Jiang 30789 (paratype: IBSC)

**CHINA** (Guizhou\*)

**IUCN:** DD; **Evidence:** morphology

*Schoenoplectiella monocephala* (J. Q. He) J. R. Starr [**New Combination**]

**STARR Julian R., JIMÉNEZ-MEJÍAS Pedro, ZUNTINI Alexandre R., LÉVEILLÉ-BOURRET Étienne, SEMMOURI Ilias, MUASYA Muthama, BAKER William J., BREWER Grace E., EPITAWALAGE Niroshini, FAIRLIE Isabel, FOREST Félix, KIKUCHI Izai A. B. Sabino, POKORNY Lisa, LARRIDON Isabel.** Targeted Sequencing Supports Morphology and Embryo Features in Resolving the Classification of Cyperaceae tribe Fuireneae s.l. *Journal of Systematics and Evolution* [J] 59(4): 809-832. [E] 2021: [827]. doi: 10.1111/jse.12721

**TYPE:** J. Q. He & X. L. Hou 5438 (holotype: ANU)

**CHINA** (Anhui\*)

**Evidence:** morphology; nrDNA

**B:** *Scirpus monocephalus* J. Q. He

#### Ebenaceae 柿树科

*Diospyros kaki* Thunb. var. *erythrantha* G. Y. Li, Z. H. Chen & Xiu P. Li 红花野柿 [**New Variety**]

**LI Gen-you, LI Xiu-peng, CHEN Zheng-hai, MA Dan-dan, LIN Hai-lun.** New Taxa of Seed Plants from Ningbo, Zhejiang Province. *Botanical Research in Ningbo* [B]: 340-345. [C] 2021: [342].

**TYPE:** Z. H. Chen, G. Y. Li & X. P. Li NH18042712 (holotype: ZM); Z. H. Chen & al. NH18042708 (paratype: ZM); Z. H. Chen & al. NH18042714 (paratype: ZM); J. P. Wu & Y. F. Zhang XS18042201 (paratype: ZM); Y. F. Zhang & J. P. Wu XS18051201 (paratype: ZM); S. Q. Xu CX008 (paratype: ZJFR)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Diospyros xylocarpa* Y. M. Shui, W. H. Chen & Sima [**New Species**]

**IMA Yong-kang, CHEN Wen-hong, WU Jian-yong, SHUI Yu-min.** *Diospyros xylocarpa*, a New Species of Ebenaceae from China and Vietnam. *Phytotaxa* [J] 528(2): 133-138. [E] 2021: [133]. doi: 10.11646/phytotaxa.528.2.6

**TYPE:** Y. M. Shui, W. H. Chen & J. S. Sheng 30539 (holotype: KUN; isotype: PE, IBSC); Y. M. Shui & al. 46009 (paratype: KUN); N. M. Cuong, H. L. Quyen & M. V. Xinh 277 (paratype: CHI); N. M. Cuong, D. T. Kien & M. V. Sinh 1069 (paratype: CHI)

**CHINA** (Yunnan\*); VIETNAM

**IUCN:** CR; **Evidence:** morphology

#### Ericaceae 杜鹃花科

*Agapetes atrosanguinea* Airy Shaw [**New Synonymy**]

**YANG Bin, WANG Ping-yuan, TONG Yi-hua, TAN Yun-hong.** Taxonomic Notes on *Agapetes* (Ericaceae) from Xizang, China: *Agapetes leiocarpa*, a New Synonym of *A. atrosanguinea*, and an Updated Description of *A. camelliifolia*. *Phytotaxa* [J] 524(2): 119-124. [E] 2021: [120]. doi: 10.11646/phytotaxa.524.2.7

**TYPE:** N. Rankin & S. Pretzlik 162 (holotype: BM-000752867)

**CHINA** (Xizang\*)

**Evidence:** morphology

**S:** *Agapetes leiocarpa* S. H. Huang (B. S. Li & S. Z. Cheng 4316, holotype: PE-00196710; isotype: KUN-0034484, PE-00196711)

*Agapetes heana* Y. H. Tong & J. D. Ya 疆海树萝卜 [New Species]

**TONG Yi-hua, BAI Ying, FENG Jian-ming, YA Ji-dong.** *Agapetes heana*, a New Species of A. ser. Longifiles (Ericaceae) from Yunnan, China. *PhytoKeys* [J] 180: 133-139. [E] 2021: [134]. doi: 10.3897/phytokeys.180.69667

**TYPE:** J. H. He 210304 (holotype: KUN); J. D. Ya & al. 21CS20738 (paratype: KUN, IBSC)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology

*Agapetes nana* (Griff.) Hook. f. 腺苞树萝卜 [New Record]

**WANG Li-yan, TAN Yun-hong, YANG Bin.** *Agapetes nana*, a Newly Recorded Species of Ericaceae from China. *Journal of Tropical and Subtropical Botany* [J] 29(4): 409-412. [E] 2021: [410]. doi: 10.11926/jtsb.4326

**TYPE:** W. Griffith 26 (holotype: K-000729410)

**CHINA** (Yunnan); **INDIA\***, **MYANMAR**

**Evidence:** morphology

*Agapetes putaensis* Y. H. Tong & N. H. Xia 葡萄树萝卜 [New Record]

**YANG Bin, LI Jian-wu, LI Hai-tao, ZHOU Lu-men, TAN Yun-hong.** *Agapetes putaensis*, a Newly Recorded Species of *Agapetes* (Ericaceae) from China. *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(5): 889-891. [E] 2021: [890]. doi: 10.7606/j.issn.1000-4025.2021.05.0889

**TYPE:** Ayeyarwady Exped. 2416 (holotype: IBSC; isotype: CDBI, IBSC)

**CHINA** (Yunnan); **MYANMAR\***

**Evidence:** morphology

*Pieris japonica* (Thunb.) D. Don ex G. Don f. *rubra* F. B. Yan, G. Y. Li & Z. H. Chen 粉花马醉木 [New Form]

**YAN Fu-bin, XIE Wen-yuan, WANG Jun-feng, WU Dong-hao, CHEN Xian-xing, CHEN Zheng-hai.** New Materials in Flora of Zhejiang Province (III). *Journal of Zhejiang Forestry Science and Technology* [J] 41(5): 80-85. [C] 2021: [85]. doi: 10.3969/j.issn.1001-3776.2021.05.013

**TYPE:** F. B. Yan WL21022201 (holotype: ZM; isotype: ZM); Z. H. Chen, L. Chen & M. H. Mao WX21022501 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Rhododendron kuomeianum* Yu H. Chang, J. Nielsen & Y. P. Ma 国楣杜鹃 [New Species]

**CHANG Yu-hang, YAO Gang, NEILSEN Jens, LIU De-tuan, ZHANG Lu, MA Yong-peng.** *Rhododendron kuomeianum* (Ericaceae), a New Species from Northeastern Yunnan (China), Based on Morphological and Genomic Data. *Plant Diversity* [J] 43(5): 292-298. [E] 2021: [296]. doi: 10.1016/j.pld.2021.04.003

**TYPE:** Y. H. Chang, Y. P. Ma & D. T. Liu Cyh20190402 (holotype: KUN-1498888; isotype: KUN-1498889, KUN-1498890); Y. P. Ma, Y. H. Chang & J. Neilsen Ma20180603 (paratype: KUN-1498892, KUN-1498893)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology; RAD-seq

*Vaccinium motuoense* Y. H. Tong & Y. J. Guo 墨脱越橘 [New Species]

**TONG Yi-hua, ZHAO Wang-lin, WANG Bing-mou, LIU Ende, CAI Jie, GUO Yong-jie.** *Vaccinium motuoense* (Ericaceae), a New Species from Xizang, China. *PhytoKeys* [J] 181: 105-111. [E] 2021: [106]. doi: 10.3897/phytokeys.181.71522

**TYPE:** Z. Liu & W. L. Zhao TYH-2523 (holotype: IBSC; isotype: IBSC, KUN); J. Cai, E. D. Liu & Y. J. Guo 13CS7683 (paratype: KUN); Y. H. Tong & B. M. Wang TYH-2381 (paratype: IBSC); B. S. Li & S. Z. Cheng 02486 (paratype: KUN); H. Sun, Z. K. Zhou & H. Y. Yu ETM-1145 (paratype: KUN); B. S. Li, Z. C. Ni & S. Z. Cheng 03651 (paratype: KUN); Y. H. Tong & B. M. Wang TYH-2338 (paratype: IBSC); B. S. Li, Z. C. Ni & S. Z. Cheng 04317 (paratype: KUN); B. S. Li, Z. C. Ni & S. Z. Cheng 04752 (paratype: KUN); B. S. Li, Z. C. Ni & S. Z. Cheng 02486 (paratype: KUN); H. Sun, Z. K. Zhou & H. Y. Yu ETM-4243 (paratype: KUN); B. S. Li & S. Z. Cheng 01600 (paratype: KUN, PE); H. Sun, Z. K. Zhou & H. Y. Yu ETM-4562 (paratype: KUN); H. Sun, Z. K. Zhou & H. Y. Yu ETM-4920 (paratype: KUN); H. Sun, Z. K. Zhou & H. Y. Yu ETM-2621 (paratype: KUN)

**CHINA** (Xizang\*)

**IUCN:** LC; **Evidence:** morphology

*Vaccinium zhangzhouense* Y. H. Tong, Y. Y. Zhu & N. H. Xia [New Species]

**TONG Yi-hua, ZHU Yi-yao, YE Xue-he, YE Xing-er, YANG Cheng-zi, XIA Nian-he.** *Vaccinium zhangzhouense*, a New Species Endemic to Fujian, China. *Nordic Journal of Botany* [J] 39(e03091): 1-4. [E] 2021: [2]. doi: 10.1111/njb.03091

**TYPE:** Y. H. Tong & al. TYH-2480 (holotype: IBSC.; isotype: FJFC); Y. H. Tong, Y. E. Ye & Y. Y. Zhu TYH-2481 (paratype: IBSC); Y. H. Tong, Y. E. Ye & Y. Y. Zhu TYH-2482 (paratype: IBSC)

**CHINA** (Fujian\*)

**IUCN:** VU; **Evidence:** morphology

**Euphorbiaceae 大戟科**

*Euphorbia karo* Freyn [Typification]

**GELTMAN D. V.** A Novelty for the Flora of China: Siberian "Endemic" *Euphorbia karo* (Euphorbiaceae) Occurs in the South Part of Inner Mongolia. *Novitates Systematicae Plantarum Vascularium* [J] 52: 131-137. [R] 2021: [132]. doi: 10.31111/novitates/2021.52.131

**TYPE:** Karo 8 (lectotype: LE-01056950; isolectotype: BM-001050421, C-10011239, DAO-000424470, HBG-516224, G-00441410, GOET-003721, JE-00002883, LE-01056951, LE-01056953, LD-1213456, LD-1213516, LD-1213576, MW-0595596, P-00606736, P-00606737, P-00606739, W 1892-0003914, WU-044260)

**CHINA** (Nei Mongol); **RUSSIA\***

**IUCN:** VU; **Evidence:** morphology

*Euphorbia mongoliensis* Min H. Li & C. H. Zhang [New Species]

**ZANG Er-huan, ZHANG Ming-xu, WANG Wen-le, ZHANG Chun-hong, LI Min-hui.** *Euphorbia mongoliensis* (Euphorbiaceae), a New Species from Inner Mongolia, China. *Phytotaxa* [J] 501(1): 151-161. [E] 2021: [155]. doi: 10.11646/phytotaxa.501.1.6

**TYPE:** M. H. Li & C. H. Zhang 150602200520001LY (holotype: PE; isotype: HIMC)

**CHINA** (Nei Mongol\*)

**Evidence:** morphology; ITS

*Euphorbia motuogensis* M. T. Li, X. Z. Lan, H. P. Deng & W. L. Cheng [New Species]

**LI Man-ting, LAN Xiao-zhong, ZUO You-wei, DENG Hong-ping.** *Euphorbia motuogensis* (Euphorbiaceae), a New Species from Xizang, China. *Phytotaxa* [J] 527(2): 107-116. [E] 2021: [108]. doi: 10.11646/phytotaxa.527.2.3

**TYPE:** M. T. Li & X. Z. Lan 542624150702036LY (holotype: SWU); M. T. Li & X. Z. Lan 542624150702037LY (paratype: SWU)

**CHINA** (Xizang\*)

**Evidence:** morphology; ITS

*Flueggea acicularis* (Croizat) G. L. Webster 毛白饭树 [Rediscovery]

**XU Song-zhi, GAN Qi-liang, FU Lian-zhong, JIANG Ming-xi, LI Zhen-yu.** *Flueggea acicularis* (Phyllanthaceae), a Narrow Endemic Species Rediscovered in Central China. *PhytoKeys* [J] 172: 57-66. [E] 2021: [59]. doi: 10.3897/phytokeys.172.57217

**TYPE:** E. H. Wilson 3336 (holotype: A-00048778; isotype: A, GH, K, MO, US); E. H. Wilson 3335 (paratype: A, US, K); E. H. Wilson 3344 (paratype: A, K)

**CHINA** (Chongqing\*, Hubei\*)

**IUCN:** NT; **Evidence:** morphology

**Fabaceae** 豆科

*Astragalus baitagensis* Sanchir ex N. Ulziykh. 宝格达黄芪 [New Record]

**HU Fan-bin, XIN Yue, GUO Ke, ZHAO Li-qing.** Seven Newly Recorded Species from Xizang and Xinjiang in China. *Biodiversity Science* [J] 29(9): 1265-1270. [C] 2021: [1266]. doi: 10.17520/biods.2021181

**CHINA** (Xinjiang); **MONGOLIA**

**Evidence:** morphology

*Astragalus taledensis* P. Yan & Huan Zhang [New Species]

**ZHANG Huan, REN Shan-shan, YAN Ping.** *Astragalus taledensis*, a New Species of Leguminosae from Xinjiang, China. *Phytotaxa* [J] 524(3): 199-204. [E] 2021: [199]. doi: 10.11646/phytotaxa.524.3.4

**TYPE:** P. Yan & Z. Z. Du 9180 (holotype: SHI; isotype: SHI); S. P. Yang & P. Yan 11455 (paratype: SHI)

**CHINA** (Xinjiang\*)

**Evidence:** morphology

*Astragalus verus* Olivier [New Record]

**SU Chun, RATHER Shabir A., WANG Shu, CHANG Zhao-yang.** *Astragalus verus* (Fabaceae)—a New Record for the Flora of China. *The Journal of Japanese Botany* [J] 96(2): 119-121. [E] 2021: [119].

**TYPE:** G. A. Olivier & J. G. Bruguère s.n. (holotype: P-00644441)

**CHINA** (Xizang); **INDIA, IRAN\***

**Evidence:** morphology

*Astragalus wui* M. Idrees & Zhi Yong Zhang [New Name]

**IDREES Muhammad, ZHANG Zhi-yong.** *Astragalus wui*, a New Replacement Name for *A. sylvaticus* Y.H. Wu (Galegeae, Papilionoideae, Fabaceae). *Phytotaxa* [J] 524(3): 210-211. [E] 2021: [210]. doi: 10.11646/phytotaxa.524.3.6

**TYPE:** Exped. Qinghai-Xizang Y. H. Wu 1067 (holotype: HNWP)

**CHINA** (Xinjiang\*)

**Evidence:** morphology

**R:** *Astragalus sylvaticus* Y. H. Wu

*Cercis chinensis* Bunge var. *pubescens* (C. F. Wei) G. Y. Li & Z. H. Chen 短毛紫荆 [New Combination]

**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [94]. doi: 10.3785/j.issn.1008-9497.2021.01.013

**TYPE:** R. D. Chen s.n. (holotype: IBSC)

**CHINA** (Jiangsu\*)

**Evidence:** morphology

**B:** *Cercis chinensis* Bunge f. *pubescens* C. F. Wei

*Cercis chingii* Chun var. *glabrata* G. Y. Li & Z. H. Chen 无毛黄山紫荆 [New Variety]

**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [95]. doi: 10.3785/j.issn.1008-9497.2021.01.013

**TYPE:** Z. H. Chen & al. CZH-9709 (holotype: ZM); Z. H. Chen & J. L. Li L-080 (paratype: HHBG); Z. H. Chen & al. LX170707-02 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Craspedolobium schochii* Harms [Typification]

**SONG Zhu-qiu, YAO Gang, JIANG Kai-wen, LIAO Jun-jie, XU Dong-xian.** *Spatholobus discolor*, a New Synonym of *Craspedolobium unijugum* (Fabaceae). *Phytotaxa* [J] 489(3): 263-274. [E] 2021: [270]. doi: 10.11646/phytotaxa.489.3.3

**TYPE:** O. Schoch 261 (lectotype: WU-0064624; isolectotype: A-00196736, US-00003974)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Craspedolobium unijugum* (Gagnep.) Z. Wei & Pedley [New Synonyms]

**SONG Zhu-qiu, YAO Gang, JIANG Kai-wen, LIAO Jun-jie, XU Dong-xian.** *Spatholobus discolor*, a New Synonym of *Craspedolobium unijugum* (Fabaceae). *Phytotaxa* [J] 489(3): 263-274. [E] 2021: [270]. doi: 10.11646/phytotaxa.489.3.3

**TYPE:** C. J. Spire 446 (holotype: P-01818114; isotype: P-01818115)

**CHINA** (Yunnan); **LAOS\***, **THAILAND**

**Evidence:** morphology

**S:** *Spatholobus discolor* C. F. Wei (D. D. Tao 91, holotype: KUN-1208115; isotype: HITBC-0011543, KUN-0623267)

*Crudasia insignis* Prain [New Synonyms]

**SONG Zhu-qiu, PAN Bo, LI Bing, XU Dong-xian, LI Shi-jin.** *Millettia lantsangensis* is Conspecific with *Crudasia insignis* (Fabaceae). *Phytotaxa* [J] 497(1): 29-38. [E] 2021: [57]. doi: 10.11646/phytotaxa.497.1.3

**TYPE:** Shaik Mokim s.n. (lectotype: K-000900334); Shaik Mokim s.n. (syntype: CAL-0000010021, K-000900335)

**CHINA** (Yunnan); **MYANMAR\***

**Evidence:** morphology

**S:** *Millettia lantsangensis* Z. Wei; *Callerya lantsangensis* (Z. Wei) H. Sun (C. W. Wang 76171, holotype: KUN-0644549; isotype: A-00149932, LBG-00091847, NAS-00071322, PE-01432520, PE-01432521, WUK-0047429)

*Cruddasia insignis* Prain [Typification]

**SONG Zhu-qiu, PAN Bo, LI Bing, XU Dong-xian, LI Shi-jin.** *Millettia lantsangensis* is Conspecific with *Cruddasia insignis* (Fabaceae). *Phytotaxa* [J] 497(1): 29-38. [E] 2021: [57]. doi: 10.11646/phytotaxa.497.1.3

**TYPE:** Shaik Mokim s.n. (lectotype: K-000900334); Shaik Mokim s.n. (syntype: CAL-0000010021, K-000900335)

**CHINA** (Yunnan); **MYANMAR\***

**Evidence:** morphology

*Desmanthus leptophyllus* Kunth. 薄叶草合欢 [New Record]

**JUNG Ming-jeer.** Two Newly Naturalized *Desmanthus* spp. (Fabaceae) to the Flora of Taiwan. *Taiwan Quarterly Journal of Forest Research* [J] 43(3): 159-166. [E] 2021: [160].

**TYPE:** A. J. A. Bonpland & F. W. H. A. von Humboldt s.n. (holotype: P-00679350)

**CHINA** (Taiwan); **VENEZUELA\***

**Evidence:** morphology

*Dolichos kongkandae* Meeboonya, Ngerns. & Balslev [New Species]

**MEEBOONYA Rumrada, NGERNSAENG SARUAY Chatchai, BALSLEV Henrik.** *Dolichos kongkandae* sp. nov. and Lectotypification of *D. fragrans* (Leguminosae, Papilionoideae) from Asia. *PhytoKeys* [J] 175: 55-65. [E] 2021: [56]. doi: 10.3897/phytokeys.175.57759

**TYPE:** R. Meeboonya & P. Yodboplub 406 (holotype: BKF; isotype: AAU, BK)

**CHINA** (Yunnan); **BHUTAN, INDIA, MYANMAR, LAOS, THAILAND\***

**IUCN:** NT; **Evidence:** morphology

*Dumasia hirsuta* Craib [New Synonyms]

**JIANG Kai-wen, CORLETT Richard T., TIAN Bin, PAN Bo.** Taxonomic Notes on the Genus *Dumasia* (Fabaceae). *Phytotaxa* [J] 522(2): 109-120. [E] 2021: [110]. doi: 10.11646/phytotaxa.522.2.3

**TYPE:** E. H. Wilson 3483 (lectotype: K; isolectotype: BM)

**CHINA** (Chongqing, Guangdong, Guizhou, Hubei\*, Hunan, Jiangxi, Shaanxi, Sichuan)

**IUCN:** LC; **Evidence:** morphology

**S:** *Dumasia hunanica* Y. K. Yang, L. H. Liu & J. K. Wu (L. H. Liu 17950, holotype: HNU; isotype: CPU)

*Dumasia kurziana* (Predeep & M. P. Nayar) B. Pan bis, B. Tian & K. W. Jiang 滇南山黑豆 [New Combination]

**JIANG Kai-wen, CORLETT Richard T., TIAN Bin, PAN Bo.** Taxonomic Notes on the Genus *Dumasia* (Fabaceae). *Phytotaxa* [J] 522(2): 109-120. [E] 2021: [115]. doi: 10.11646/phytotaxa.522.2.3

**TYPE:** S. Kurz 1699 (holotype: CAL; isotype: CAL); A. Henry 12453 (paratype: CAL, K); A. Henry 12872 (paratype: CAL, K)

**CHINA** (Yunnan); **MYANMAR\***

**IUCN:** LC; **Evidence:** morphology

**B:** *Dumasia nitida* Chun ex Y. T. Wei & S. K. Lee var. *kurziana* Predeep & M. P. Nayar

*Dumasia prazeri* Predeep & M. P. Nayar 小花山黑豆 [New Record]

**JIANG Kai-wen, CORLETT Richard T., TIAN Bin, PAN Bo.** Taxonomic Notes on the Genus *Dumasia* (Fabaceae). *Phytotaxa* [J] 522(2): 109-120. [E] 2021: [111]. doi: 10.11646/phytotaxa.522.2.3

**TYPE:** J. C. Prazer 36 (holotype: CAL; isotype: CAL)

**CHINA** (Yunnan); **MYANMAR\***

**IUCN:** DD; **Evidence:** morphology

*Dumasia yunnanensis* Y. T. Wei & S. K. Lee [New Recognition]

**JIANG Kai-wen, CORLETT Richard T., TIAN Bin, PAN Bo.** Taxonomic Notes on the Genus *Dumasia* (Fabaceae). *Phytotaxa* [J] 522(2): 109-120. [E] 2021: [113]. doi: 10.11646/phytotaxa.522.2.3

**TYPE:** H. K. Teng 171 (holotype: KUN); K. M. Feng 10401 (paratype: KUN); B. Y. Qiu 54981 (paratype: PE); P. I. Mao 156 (paratype: KUN); C. Ho 11544 (paratype: SM)

**CHINA** (Sichuan, Yunnan\*)

**IUCN:** LC; **Evidence:** morphology

**S:** *Dumasia kurziana* (Predeep & M. P. Nayar) B. Pan bis, B. Tian & K. W. Jiang

*Erythrina stricta* Roxb. [Typification]

**KHURAIJAM Jibankumar Singh, UPADHYAY Ashutosh Kumar, GOGOI Rajib, RANA Tikam S.** A Synopsis of the Genus *Erythrina* (Fabaceae) in India. *Annales Botanici Fennici* [J] 58(4-6): 275-283. [E] 2021: [277]. doi: 10.5735/085.058.0413

**TYPE:** Icon. Roxburgh. 2322

**CHINA** (Guangxi, Xizang, Yunnan); **INDIA**

**Evidence:** morphology

*Gleditsia saxatilis* Z. C. Lu, Y. S. Huang & Yan Liu [New Species]

**LU Zhao-cen, HUANG Zhang-ping, YANG Ping, HUANG Yu-song, LIU Yan.** *Gleditsia saxatilis* (Fabaceae), a New Species from Limestone Areas of Guangxi, China Based on Morphological and Molecular Evidence. *Phytotaxa* [J] 508(2): 213-220. [E] 2021: [215]. doi: 10.11646/phytotaxa.508.2.10

**TYPE:** Liujiang Exped. 450221180808024LY (holotype: IBK-0430264; isotype: IBK-00430265); Z. J. Li 3150 (paratype: IBK); Nonggang Exped. 10750 (paratype: IBK); Nonggang Exped. 10803 (paratype: IBK); Zhongzhilian-Guangxi Exped. 1041 (paratype: IBK); Y. S. Huang & W. B. Xu 516 (paratype: IBK); Y. S. Huang & W. B. Xu 529 (paratype: IBK); Z. J. Li 3570 (paratype: IBK); Z. J. Li & Q. F. Yang 1562 (paratype: IBK); Dianqiangui Exped. 70009 (paratype: IBK); F. N. Wei & Y. Liu M0436 (paratype: IBK); Y. S. Huang & al. Y1296 (paratype: IBK); W. B. Xu & al. ML1147 (paratype: IBK); Y. S. Huang & al. Y1360 (paratype: IBK); W. B. Xu & al. ML1275 (paratype: IBK); Y. L. Jiang & al. 20180824001 (paratype: IBK); W. B. Xu & Y. S. Huang CZ0909 (paratype: IBK); D. R. Peng & al. 201804036 (paratype: GXF); K. W. Luo 201807065 (paratype: GXF); D. X. Nong & al. 451227190529011LY (paratype: GXMG); Liujiang Exped. 450221190404041LY (paratype: IBK); Liujiang Exped. 450221200414015LY (paratype: IBK); P. Yang LZC219 (paratype: IBK)

**CHINA** (Guangxi\*)

**Evidence:** morphology; ITS, trnL-F

*Grona reticulata* (Champ. ex Benth.) H. Ohashi & K. Ohashi [New Combination]

**OHASHI Kazuaki, OHASHI Hiroyoshi, NEMOTO Tomoyuki, NATA Koji.** Phylogenetic Analyses for a New Classification of the Desmodium Group of Leguminosae Tribe Desmodieae 5. Last Desmodium Native to Asia and Australia. *The Journal of Japanese Botany* [J] 96(1): 1-8. [E] 2021: [13].  
**TYPE:** Champion 254 (lectotype: K-000858821; isolectotype: K-000858820)  
**CHINA** (Hong Kong\*)  
**Evidence:** morphology; ITS, ETS, 5'trnK, ndhJ-trnF-trnL, trnT-trnL, trnG-trnS, trnQ-rps16, trnL-rpl32, rpl16, trnC-rpoB, ndhA  
**B:** *Desmodium reticulatum* Champ. ex Benth.

*Imbralyx leptobotrys* (Dunn) Z. Q. Song [New Combination]  
**SONG Zhu-qiu.** New Combinations and Re-lectotypification in the Genus *Imbralyx* (Fabaceae: Millettieae). *Phytotaxa* [J] 525(3): 223-231. [E] 2021: [228]. doi: 10.11646/phytotaxa.525.3.4  
**TYPE:** A. Henry 12792 (lectotype: K-000898191; isolectotype: MO-203008, NY-00016342, NY-00016344, PE-00410935)  
**CHINA** (Yunnan\*)  
**Evidence:** morphology  
**B:** *Millettia leptobotrya* Dunn

*Imbralyx leucanthus* (Kurz) Z. Q. Song [Excluded from China]  
**SONG Zhu-qiu.** New Combinations and Re-lectotypification in the Genus *Imbralyx* (Fabaceae: Millettieae). *Phytotaxa* [J] 525(3): 223-231. [E] 2021: [228]. doi: 10.11646/phytotaxa.525.3.4  
**TYPE:** S. Kurz 2600 (lectotype: K-000848723; isolectotype: K-000848724, K-000848725, K-000848726)  
**MYANMAR\***  
**Evidence:** morphology  
**S:** *Millettia pendula* Benth.

*Indigofera spicata* Forsk. 倒卵叶木蓝 [New Record]  
**CHIANG Yao-en, CHIANG Meng-chi, LIU Yu-ting, HSIEH Tsung-hsin.** *Indigofera spicata* Forsk. —A Newly Naturalized Fabaceae in Taiwan. *Taiwan Journal of Biodiversity* [J] 23(3): 21-29. [C] 2021: [25].  
**TYPE:** Forsskål s.n. (holotype: C)  
**CHINA** (Taiwan); **YEMEN\***  
**Evidence:** morphology

*Lespedeza danxiaensis* Q. Fan, W. Y. Zhao & K. W. Jiang 丹霞铁马鞭 [New Species]  
**ZHAO Wan-yi, JIANG Kai-wen, CHEN Zai-xiong, TIAN Bin, FAN Qiang.** *Lespedeza danxiaensis* (Fabaceae), a New Species from Guangdong, China, based on Molecular and Morphological Data. *PhytoKeys* [J] 185: 43-53. [E] 2021: [47]. doi: 10.3897/phytokeys.185.72788  
**TYPE:** Q. Fan 18409 (holotype: SYS; isotype: IBSC, NPH, SWFC, SYS); Q. Fan 18027 (paratype: IBSC, NPH, SWFC, SYS); Q. Fan & Y. S. Huang 18130 (paratype: IBSC, NPH, SYS)  
**CHINA** (Guangdong\*)  
**IUCN:** CR; **Evidence:** morphology; ITS

*Macrotyloma axillare* (E. Mey.) Verdc. 腋花硬皮豆 [New Record]  
**CHEN Po-hao, KU Shin-ming, CHUNG An-ching, WANG Chih-chiang, YANG Sheng-zehn.** Notes on the Spread of the Genus *Macrotyloma* (Wight & Arn.) Verdc. (Fabaceae) in Taiwan: Description of a Newly Naturalized Species *M. axillare* (E. Mey.) Verdc. *Taiwan Quarterly Journal of Forest Research* [J] 43(1): 35-44. [E] 2021: [36].

**CHINA** (Taiwan); [AFRICA]  
**Evidence:** morphology

*Millettia puerarioides* Prain 葛叶崖豆 [New Record]  
**SONG Zhu-qiu, PAN Bo, ZHANG Ting, TAN Yun-hong, ZHANG Yong-sheng, YANG Zu-wei, XU Dong-xian.** *Millettia puerarioides* Prain (Fabaceae: Millettieae), a Species with Cauliflorous Inflorescences Newly Recorded from China. *Phytotaxa* [J] 507(2): 183-190. [E] 2021: [185]. doi: 10.11646/phytotaxa.507.2.6  
**TYPE:** Geo Gallatly 531 (lectotype: K-000848744); Sulpiz Kurz 1765 (syntype: K-000848745)  
**CHINA** (Yunnan); **MYANMAR\***  
**Evidence:** morphology

*Ohashia* X. Y. Zhu & R. P. Zhang [New Genus]  
**ZHANG Ruo-peng, HUANG Yun-feng, ZHU Xiang-yun.** *Ohashia*, a New Genus of Derris-like Millettoid Legumes (Leguminosae, Papilionoideae) as Revealed by Molecular Phylogenetic Evidence. *Taxon* [J] 70(6): 1219-1228. [E] 2021: [1222]. doi: 10.1002/tax.12564  
**TYPE:** *Ohashia yunnanensis* (Chun & F. C. How) X. Y. Zhu & R. P. Zhang  
**Evidence:** morphology; trnK-matK, trnL-F, psbA-trnH, ITS

*Ohashia yunnanensis* (Chun & F. C. How) X. Y. Zhu & R. P. Zhang [New Combination]  
**ZHANG Ruo-peng, HUANG Yun-feng, ZHU Xiang-yun.** *Ohashia*, a New Genus of Derris-like Millettoid Legumes (Leguminosae, Papilionoideae) as Revealed by Molecular Phylogenetic Evidence. *Taxon* [J] 70(6): 1219-1228. [E] 2021: [1224]. doi: 10.1002/tax.12564  
**TYPE:** A. Henry 9386B (lectotype: IBSC-0164901)  
**CHINA** (Guangxi, Guizhou, Yunnan\*)  
**Evidence:** morphology; trnK-matK, trnL-F, psbA-trnH, ITS  
**B:** *Derris yunnanensis* Chun & F. C. How

*Pueraria montana* (Lour.) Merr. f. *alba* G. Y. Li, F. G. Zhang & Jian S. Wang 白花葛藤 [New Form]  
**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [96]. doi: 10.3785/j.issn.1008-9497.2021.01.013  
**TYPE:** F. G. Zhang, G. Y. Li & J. S. Wang PJ18092305 (holotype: ZM); J. S. Wang s. n. (paratype: ZM)  
**CHINA** (Zhejiang\*)  
**Evidence:** morphology

*Senegalia propinqua* L. Bai 元江金合欢 [New Species]  
**LIN Bai, BRUCE Maslin, XIA Nian-he.** *Senegalia propinqua* (Leguminosae: Mimosoideae), a New Species from the Yuanjiang Dry-hot Valley in South-central Yunnan Province, China. *Phytotaxa* [J] 522(1): 38-46. [E] 2021: [39]. doi: 10.11646/phytotaxa.522.1.4  
**TYPE:** L. Bai & Q. Tian BLSC-029 (holotype: IBSC-0865935; isotype: GXMI, IBK, IBSC-0865933, IBSC-0865934, K, KUN, PE, PERTH, SING)  
**CHINA** (Yunnan\*)  
**IUCN:** CR; **Evidence:** morphology

*Sesbania javanica* Miq. 沼生田菁 [New Record]



**LI Xiao-xia, YANG Hu-biao.** *Sesbania javanica* (Fabaceae), a New Record Species from Hainan, China. *Chinese Journal of Tropical Crops* [J] 42(3): 695-697. [C] 2021: [695].

**CHINA** (Hainan); **AUSTRALIA**

**Evidence:** morphology

*Sophora moorcroftiana* Benth. ex Baker f. *albiflora* Shi H. Yang 白花砂生槐 [New Form]

**YANG Shi-hai, CIREN Wang-dui, YANG Zuo-yun, LIU Wei, LIU Yi, OU Zhu, MA Yu-shou.** *Sophora moorcroftiana* f. *albiflora*, a New Form of Leguminosae from Tibet of China. *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(2): 336-337. [C] 2021: [336]. doi: 10.7606/j.issn.1000-4025.2021.02.0336

**TYPE:** S. H. Yang 2020051901 (holotype: HNWP)

**CHINA** (Xizang\*)

**Evidence:** morphology

*Vicia mingyueshanensis* Z. Y. Xiao & X. C. Li 明月山野豌豆 [New Species]

**XIAO Zhi-yong, LI Xiao-chun, LUO Ying, ZENG Chuan-sheng, QIU Bang-gui, CAO Fu-liang.** *Vicia mingyueshanensis* (Fabaceae, Papilionoideae, Fabaceae), a New Species from Western Jiangxi, China. *PhytoKeys* [J] 187: 71-76. [E] 2021: [73]. doi: 10.3897/phytokeys.187.71960

**TYPE:** Z. Y. Xiao & X. C. Li CSFI076074 (holotype: CSFI; isotype: NF)

**CHINA** (Jiangxi\*)

**IUCN:** CR; **Evidence:** morphology

#### Gentianaceae 龙胆科

*Gentiana manshurica* Kitag. 条叶龙胆 [New Synonyms]

**CHEN Xiao-rong, ZHANG Fang-gang, XIE Wen-yuan, ZHANG Shui-li, CHEN Zheng-hai.** Notes on the Seed Plant in Zhejiang Province (XII). *Journal of Zhejiang Forestry Science and Technology* [J] 41(5): 86-89. [C] 2021: [88]. doi: 10.3969/j.issn.1001-3776.2021.05.014

**CHINA** (Zhejiang); **JAPAN**

**Evidence:** morphology

**S:** *Gentiana manshurica* Kitag. subsp. *jiandeensis* J. P. Luo & Z. C. Lou (S. K. Jiang & S. T. Fang 2406, holotype: PEM)

#### Gesneriaceae 苦苣苔科

*Didymocarpus cortusifolius* (Hance) Lévl. f. *rubrus* W. Y. Xie, G. Y. Li & Z. H. Chen 红花温州长蒴苣苔 [New Form]

**LI Gen-you, LI Xiu-peng, CHEN Zheng-hai, MA Dan-dan, LIN Hai-lun.** New Taxa of Seed Plants from Ningbo, Zhejiang Province. *Botanical Research in Ningbo* [B]: 340-345. [C] 2021: [343].

**TYPE:** X.P. Li & H. L. Lin LHL2015013 (holotype: ZJFC)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Gyrocheilos taishanense* G. T. Wang, Yu Q. Chen & R. J. Wang [New Species]

**WANG Gang-Tao, LIU Fang-Pu, JIANG Guo-Bin, ZHANG Ying, CHEN Yu-Qiang,**

**WANG Rui-Jiang.** *Gyrocheilos taishanense*: A New Species of Gesneriaceae from Guangdong, China. *Phytotaxa* [J] 478(2): 216-224. [E] 2021: [219]. doi: 10.11646/phytotaxa.478.2.3

**TYPE:** G. T. Wang & al. 669 (holotype: IBSC-0855721; isotype: IBSC-0855722, KUN-1347954, PE-02331416)

**CHINA** (Guangdong\*)

**IUCN:** LC; **Evidence:** morphology; ITS, trnL-F

*Hemiboea gracilis* Franch. var. *guixiensis* G. X. Chen, X. M. Xiang & L. Tan 鬼溪半蒴苣苔 [New Variety]

**TAN Lu, XIANG Xiao-mei, LIU Bing, CHEN Gong-xi.** *Hemiboea gracilis* Franch. var. *guixiensis*: a New Variety of Gesneriaceae from Hunan, China. *Journal of Jishou University (Natural Sciences Edition)* [J] 42(2): 61-64. [C] 2021: [61]. doi: 10.13438/j.cnki.jdzk.2021.02.011

**TYPE:** G. X. Chen & al. 20200901 (holotype: JIU)

**CHINA** (Hunan\*)

**Evidence:** morphology

*Henckelia connata* X. Z. Shi & Li H. Yang 合柄汉克苣苔 [New Species]

**SHI Xi-zuo, YANG Li-hua.** *Henckelia connata* (Gesneriaceae), a New Species from Eastern Himalayas, China. *Nordic Journal of Botany* [J] 39(e03154): 1-6. [E] 2021: [2]. doi: 10.1111/njb.03154

**TYPE:** Li H. Yang & al. YLH1077 (holotype: IBSC-0859707; isotype: IBSC-0859708, IBSC-0859709, IBSC-0859710, IBSC-0859711, IBSC-0859712)

**CHINA** (Xizang\*, Yunnan)

**IUCN:** CR; **Evidence:** morphology

*Henckelia inaequalifolia* Li H. Yang & X. Z. Shi 不等叶汉克苣苔 [New Species]

**SHI Xi-zuo, WANG Jia-cai, YANG Li-hua.** *Henckelia inaequalifolia* (Gesneriaceae), a New Species from Sichuan, China. *Phytotaxa* [J] 518(1): 54-60. [E] 2021: [54]. doi: 10.11646/phytotaxa.518.1.6

**TYPE:** Li H. Yang & X. Z. Shi YLH1184 (holotype: IBSC-0865764; isotype: IBSC-0865765, IBSC-0865766)

**CHINA** (Sichuan\*)

**Evidence:** morphology

*Litostigma napoense* Y. Feng Huang, B. M. Wang & Y. S. Chen 那坡凹柱苣苔 [New Species]

**CHEN You-sheng, HUANG Yun-feng, XU Lian-sheng, WANG Bing-mou.** Two New Species of *Litostigma* (Gesneriaceae) from the China-Vietnam Border Area Based on Morphological and Molecular Data, Adding New Stigma Characters for the Genus. *Nordic Journal of Botany* [J] 39(e02971): 1-10. [E] 2021: [5]. doi: 10.1111/njb.02971

**TYPE:** Y. F. Huang & Y. Nong 79975 (holotype: GXMI; isotype: GXMI, IBSC)

**CHINA** (Guangxi\*)

**IUCN:** CR; **Evidence:** morphology; ITS

*Litostigma pingbianense* Y. S. Chen & B. M. Wang 屏边凹柱苣苔 [New Species]

**CHEN You-sheng, HUANG Yun-feng, XU Lian-sheng, WANG Bing-mou.** Two New Species of *Litostigma* (Gesneriaceae) from the China-Vietnam Border Area Based on Morphological and Molecular Data, Adding New Stigma Characters for the Genus. *Nordic Journal of Botany* [J] 39(e02971): 1-10. [E] 2021: [2]. doi: 10.1111/njb.02971

**TYPE:** Y. S. Chen & al. PB0718 (holotype: IBSC; isotype: IBSC)

**CHINA** (Sichuan\*)

**IUCN:** CR; **Evidence:** morphology; ITS

***Oreocharis reticuliflora*** Li H. Yang & X. Z. Shi 网纹马铃苣苔 [New Species]

**YANG Li-hua, SHI Xi-zuo.** *Oreocharis reticuliflora* (Gesneriaceae), a New Species from Southeastern Sichuan, China. *Nordic Journal of Botany* [J] 39(e03322): 1-5. [E] 2021: [2]. doi: 10.1111/njb.03322

**TYPE:** L. H. Yang YLH1178 (holotype: IBSC-0865767; isotype: IBSC-0865768, IBSC-0865769, IBSC-0865770, IBSC-0865771, IBSC-0865772); X. F. Gao & al. HGX10931 (paratype: CDBI); X. F. Gao & al. HGX11332 (paratype: CDBI); X. F. Gao & al. HGX12055 (paratype: CDBI)

**CHINA** (Sichuan\*)

**Evidence:** morphology

***Oreocharis wenxianensis*** Xiao J. Liu & X. G. Sun [New Species]

**LIU Xiao-juan, SUN Xue-gang.** *Oreocharis wenxianensis* (Gesneriaceae), a New Species from Gansu Province, China. *Annales Botanici Fennici* [J] 58(1-3): 181-187. [E] 2021: [182]. doi: 10.5735/085.058.0120

**TYPE:** X. G. Sun & al. WX20160709760 (holotype: GAUF); X. G. Sun & al. WX20160818761 (paratype: GAUF)

**CHINA** (Gansu\*)

**Evidence:** morphology

***Petrocodon albinervius*** D. X. Nong & Y. S. Huang 白脉石山苣苔 [New Species]

**NONG Dong-xin, HUANG Bao-you, NONG Shi-yue, HUANG Yu-song.** *Petrocodon albinervius*, a New Species of Gesneriaceae from Limestone Areas in Southwestern Guangxi, China. *Taiwania* [J] 66(2): 135-140. [E] 2021: [135]. doi: 10.6165/tai.2021.66.135

**TYPE:** D. X. Nong & Y. S. Huang Y1219 (holotype: IBK-00425097; isotype: IBK-00425098; GXMG-G0215269); Y. S. Huang & D. X. Nong Y0663 (paratype: IBK-00425099!)

**CHINA** (Guangxi\*)

**IUCN:** CR; **Evidence:** morphology; ITS

***Petrocodon anoectochilus*** F. Wen & B. Pan 开唇石山苣苔 [New Species]

**PAN Bo, DING Tao, CEN Hua-fei, HUANG Zhang-jie, MACIEJEWSKI Stephen, WEN Fang.** *Petrocodon anoectochilus*, a Remarkable New Species of Gesneriaceae from Guangxi and Guizhou, Southwest China. *Novon* [J] 29: 279-286. [E] 2021: [280]. doi: 10.3417/2021616

**TYPE:** B. Pan & al. P964 (holotype: IBK; isotype: IBK); M. Q. Han HMQ20200815-1 (paratype: PE)

**CHINA** (Guangxi\*, Guizhou)

**IUCN:** EN; **Evidence:** morphology

***Petrocosmea adenophora*** Z. J. Huang & Z. B. Xin 金腺石蝴蝶 [New Species]

**HUANG Zhang-jie, XIN Zi-bin.** *Petrocosmea adenophora* (Gesneriaceae), a New Species from Yunnan, China. *Nordic Journal of Botany* [J] 39(e02944): 1-5. [E] 2021: [2]. doi: 10.1111/njb.02944

**TYPE:** Z. B. Xin XZB170410-03 (holotype: IBK; isotype: IBK)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology

***Petrocosmea duyunensis*** Sheng H. Tang 都匀石蝴蝶 [New Species]

**TANG Sheng-hu, YANG Jia-wen, LI Cong-rui, ZHOU Qing.** *Petrocosmea duyunensis* (Gesneriaceae), a New Species from Guizhou, China. *PhytoKeys* [J] 181: 1-8. [E] 2021: [3]. doi: 10.3897/phytokeys.181.68635

**TYPE:** Sheng H. Tang 2021001 (holotype: IBK; isotype: CSH)

**CHINA** (Guizhou\*)

**IUCN:** DD; **Evidence:** morphology

***Primulina cataractarum*** X. L. Yu & A. Liu [New Species]

**DING Cong, LIU Ang, YU Xun-lin, ZHANG Chun-ping.** *Primulina cataractarum* sp. nov. (Gesneriaceae) from Limestone Landform in Southern Hunan, China. *Phytotaxa* [J] 511(1): 51-64. [E] 2021: [59]. doi: 10.11646/phytotaxa.511.1.4

**TYPE:** A. Liu & C. Ding JH0001 (holotype: CSFI; isotype: CSFI, HIB)

**CHINA** (Hunan\*)

**IUCN:** CR; **Evidence:** morphology; ITS, trnL-F, atpB-rbcL

***Primulina clausa*** P. W. Li & M. Kang 闭苞报春苣苔 [New Species]

**LI Peng-wei, PAN Bo, HARRIS Aj, XU Wei-bin, LIU Ming-tao, KANG Ming.** *Primulina clausa*, a New Species of Gesneriaceae from Northern Guangxi, China. *Phytotaxa* [J] 510(2): 187-192. [E] 2021: [188]. doi: 10.11646/phytotaxa.510.2.5

**TYPE:** P.W. Li LPW201606 (holotype: PE; isotype: PE, IBSC); W. B. Xu & B. Pan 11165 (paratype: IBK); P. W. Li LPW2013053 (paratype: PE); L. H. Yang & B. Pan YLH351 (paratype: IBSC); W. B. Xu & Y. S. Huang 11701 (paratype: IBK); Guanyang Expedition 450327150810001LY (paratype: IBK)

**CHINA** (Chongqing\*)

**Evidence:** morphology

***Primulina papillosa*** Z. B. Xin, W. C. Chou & F. Wen 刺疣报春苣苔 [New Species]

**XIN Zi-bing, CHOU Wei-chuen, MACIEJEWSKI Stephen, FU Long-fei, WEN Fang.** *Primulina papillosa* (Gesneriaceae), a New Species from limestone Areas of Guangxi, China. *PhytoKeys* [J] 177: 55-61. [E] 2021: [56]. doi: 10.3897/phytokeys.177.63878

**TYPE:** W. C. Chou 20200409-01 (holotype: IBK; isotype: IBK)

**CHINA** (Guangxi\*)

**IUCN:** CR; **Evidence:** morphology

***Primulina silaniae*** X. X. Bai & F. Wen 思兰报春苣苔 [New Species]

**ZHANG Jin-quan, HUANG Hong, LI Mei-jun, HUANG Mei, LI Quan-yuan, ZHOU Yu-lu, CHEN Yi, WEN Fang, BAI Xin-xiang.** *Primulina silaniae* sp. nov. (Gesneriaceae) from the Limestone Area of Guizhou Province, China. *PhytoKeys* [J] 185: 123-130. [E] 2021: [125]. doi: 10.3897/phytokeys.185.72099

**TYPE:** X. X. Bai & al. BXX20201128-01 (holotype: GZAC; isotype: GZAC, IBK); X. X. Bai & al. BXX20201122-01 (paratype: GZAC); X. X. Bai & al. BXX20210411-01 (paratype: GZAC); X. X. Bai & al. BXX20201101-01 (paratype: GZAC)

**CHINA** (Guizhou\*)

**IUCN:** VU; **Evidence:** morphology

***Rhynchotechum nirijuliense*** M. Taram & D. Borah [New Species]

**TARAM M., BORAH D.** *Rhynchotechum nirijuliense* (Gesneriaceae), a New Species from Northeast India. *The*

*Gardens' Bulletin Singapore* [J] 72(1): 125-129. [E] 2021: [126]. doi: 10.26492/gbs72(1).2020-12

**TYPE:** M. Taram & D. Borah 0157 (holotype: CAL; isotype: ASSAM, ARUN, E)

**CHINA** (Xizang\*)

**IUCN:** DD; **Evidence:** morphology

#### Grossulariaceae 茶藨子科

*Ribes fragrans* Pall. 白花茶藨子 [New Record]

**DENG Rui, ZHANG Mei-li, ZHOU Ming, ZHENG Bao-jiang.** A Newly Recorded Plant of the Genus *Ribes* from China. *Journal of Nanjing Forestry University (Natural Sciences Edition)* [J] 45(2): 231-233. [C] 2021: [231]. doi: 10.12302/j.issn.1000-2006.202004060

**CHINA** (Nei Mongol); MONGOLIA, RUSSIA

**Evidence:** morphology

#### Hydrangeaceae 绣球花科

*Hydrangea fistulosa* (G. H. Huang & G. Hao) U. B. Deshmukh & M. B. Shende [New Combination]

**DESHMUKH Umakant Bhoopati, SHENDE Mukund Bapurao.** One New Combination in the Genus *Hydrangea* (Hydrangeaceae). *Phytotaxa* [J] 512(1): 125-126. [E] 2021: [125]. doi: 10.11646/phytotaxa.512.2.6

**TYPE:** G. H. Huang 160091 (holotype: IBSC; isotype: CANT)

**CHINA** (Guangdong\*)

**Evidence:** morphology

**B:** *Dichroa fistulosa* G. H. Huang & G. Hao

#### Iridaceae 鸢尾科

*Iris* × *ampliflora* Y. E. Xiao, F. Y. Yu & X. F. Zhou [New Nothospecies]

**XIAO Yue-e, YU Feng-yang, ZHOU Xiao-feng.** A New Natural Hybrid of *Iris* (Iridaceae) from Chongqing, China. *PhytoKeys* [J] 174: 1-12. [E] 2021: [5]. doi: 10.3897/phytokeys.174.62306

**TYPE:** Y. E. Xiao XYE20140614 (holotype: CSH-0180673; isotype: CSH)

**CHINA** (Chongqing\*)

**Evidence:** morphology; cpDNA; Chromosome

**H:** *Iris japonica* Thunb. × *Iris wattii* Baker ex Hook. f.

#### Lamiaceae 唇形科

*Dracocephalum microphyton* Y. P. Chen, Y. S. Chen & C. L. Xiang [New Species]

**CHEN Ya-ping, CHEN You-sheng, XIANG Chun-lei.** *Dracocephalum microphyton* (Lamiaceae: Nepetoideae), a New Species from South-west China. *Kew Bulletin* [J] 76(2): 287-292. [E] 2021: [290]. doi: 10.1007/S12225-021-09933-8

**TYPE:** Y. P. Chen & al. EM1673 (holotype: KUN; isotype: K, KUN, PE)

**CHINA** (Sichuan\*)

**IUCN:** VU; **Evidence:** morphology

*Dracocephalum parviflorum* Nutt. 小花青兰 [New Record]

**ZHANG Shu-mei, LI Ding-nan.** *Dracocephalum parviflorum* Nutt., a Newly Recorded Exotic Species of Labiateae in China. *Plant Quarantine* [J] 35(5): 47-49. [C] 2021: [47]. doi: 10.19662/j.cnki.issn1005-2755.2020.00.041

**CHINA** (Liaoning); [AMERICA]

**Evidence:** morphology

*Elsholtzia argyi* Lévl. f. *alba* G. Y. Li & Z. H. Chen 白花香薷 [New Form]

**LI Gen-you, LI Xiu-peng, CHEN Zheng-hai, MA Dan-dan, LIN Hai-lun.** New Taxa of Seed Plants from Ningbo, Zhejiang Province. *Botanical Research in Ningbo* [B]: 340-345. [C] 2021: [343].

**TYPE:** Z. H. Chen & Y. F. Zhang XS20130626 (holotype: ZJFC)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Gomphostemma chinense* Oliv. f. *purpureum* Z. H. Chen & W. B. Liao 紫花锥花 [New Form]

**CHEN Zhi-hui, LEE Shiou Yih, LI You-yu, CHEN Jing-rui, ZHAO Wan-yi, LIAO Wen-bo.** *Gomphostemma chinense* f. *purpureum* (Lamiaceae), a New Forma Endemic to China. *Acta Phytotaxonomica & Geobotanica* [J] 72(3): 289-292. [E] 2021: [289]. doi: 10.18942/apg.202105

**TYPE:** Z. H. Chen, J. J. Zhang, J. X. Huang & J. A. Gong YKS-460 (holotype: SYS); Z. C. Liu, Y. L. Zou & al. YKS-857 (paratype: SYS, IBSC)

**CHINA** (Guangdong\*)

**Evidence:** morphology

*Hanceola yuanyangensis* Y. S. Chen, C. L. Xiang & H. L. Zheng 元阳四轮香 [New Species]

**CHEN You-sheng, XIANG Chun-lei, WU Jian-yong, LIAO Jun-jie, ZHENG Hai-lei.** *Hanceola yuanyangensis* (Lamiaceae, Nepetoideae), a New Species from Yunnan, China. *Phytotaxa* [J] 480(3): 297-300. [E] 2021: [297]. doi: 10.11646/phytotaxa.480.3.10

**TYPE:** Y. S. Chen & al. YY0522 (holotype: IBSC; isotype: IBSC, KUN)

**CHINA** (Yunnan\*)

**IUCN:** CR; **Evidence:** morphology

*Isodon brevipedunculatus* Y. P. Chen & C. L. Xiang 短梗香茶菜 [New Species]

**CHEN Ya-ping, HUANG Cun-zhong, ZHAO Yue, XIANG Chun-lei.** Molecular and Morphological Evidence for a New Species of *Isodon* (Lamiaceae) from Southern China. *Plant Diversity* [J] 43(1): 54-62. [E] 2021: [58]. doi: 10.1016/j.pld.2020.06.004

**TYPE:** Y. P. Chen & Y. Zhao EM1381 (holotype: KUN; isotype: A, K, KUN, P, PE)

**CHINA** (Guangdong\*)

**Evidence:** morphology; ITS; ETS

*Phlomoides burmanica* (Mukerjee) Kamelin & Makhm. [New Synonyms]

**ZHAO Yue, CHEN Ya-ping, LIU De-tuan, TURDIMATOVICH Turginov Orzimat, LIANG Cun-zhu, XIANG Chun-lei.** The Identity of *Phlomoides parrotata* (Lamiaceae, Lamioideae). *Phytotaxa* [J] 524(2): 107-113. [E] 2021: [108]. doi: 10.11646/phytotaxa.524.2.5

**TYPE:** G. Forrest 24538 (holotype: E-00301986)

**CHINA** (Yunnan); BURMA\*

**Evidence:** morphology

**S:** *Phlomoides parrotata* (Y. Z. Sun) Kamelin & Makhm.; *Phlomis parrotata* Y. Z. Sun (H.T. Tsai 58080, holotype: PE-00835718; isotype: IBSC-0005135, KUN-1218987, NAS-00072434, NAS-00072434, SZ-00240172)

*Phlomis liangwangshanensis* Y. Zhao, H. L. Zheng & C. L. Xiang 梁王山草糙苏 [New Species]

**ZHAO Yue, CHEN Ya-ping, ZHENG Hai-lei, PENG Hua, XIANG Chun-lei.** *Phlomis liangwangshanensis* (Lamiaceae), a New Species from Yunnan, China. *Phytotaxa* [J] 491(1): 72-78. [E] 2021: [73]. doi: 10.11646/phytotaxa.491.1.8

**TYPE:** Y. P. Chen & al. EM483 (holotype: KUN; isotypes: K, KUN, PE); Y. P. Chen & al. EM734 (paratype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Pogostemon dielsianus* Dunn [Rediscovery]

**HU Guo-xiong, SU Ting, AN Ming-tai, WANG Xiao-yu.** Rediscovery of *Pogostemon dielsianus* (Lamiaceae, Lamioideae), a Rare Endemic Species from Southwestern China, after One Century. *PhytoKeys* [J] 171: 61-73. [E] 2021: [66]. doi: 10.3897/phytokeys.171.60389

**TYPE:** G. Forrest 875 (lectotype: E-00087126; isolectotype: K-000249619)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Pogostemon monticola* T. C. Hsu, S. W. Chung, S. H. Liu & W. J. Huang 深山刺蕊草 [New Species]

**LIU Shih-hui, HSU Tian-chuan, HUANG Wei-jie, CHUNG Shih-wen.** *Pogostemon monticola* (Lamiaceae; Lamioideae), a New Species from Taiwan. *Phytotaxa* [J] 507(1): 51-66. [E] 2021: [57]. doi: 10.11646/phytotaxa.507.1.2

**TYPE:** S. W. Chung 14416 (holotype: TAI; isotype: HAST); T. C. Hsu 4605 (paratype: TAI); P. F. Lu 20968 (paratype: TAI-372376); T. Suzuki ST20884 (paratype: TAI-097028); M. J. Jung y121703 (paratype: TAI-273576); M. S. Chen 10 (paratype: HAST-24083); T. C. Hsu 5180 (paratype: TAI-387771, TAI-387772); T. Suzuki ST21576 (paratype: TAI-097021)

**CHINA** (Taiwan\*)

**IUCN:** NT; **Evidence:** morphology; ITS, matK, rbcL, rps16, trnH-psbA, trnL

*Salvia bowleyana* Dunn f. *alba* G. Y. Li, W. Y. Xie & D. D. Ma 白花南丹参 [New Form]

**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [96]. doi: 10.3785/j.issn.1008-9497.2021.01.013

**TYPE:** D. D. Ma & al. s.n. (holotype: ZJFC)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Salvia subviolacea* Y. K. Wei & Pendry 川藏鼠尾草 [New Species]

**WEI Yu-kun, PENDRY C. A., HUANG Yan-bo, GE Bin-jie, XIAO Han-wen.** *Salvia subviolacea*, a New Species from the Himalayas-Hengduan Mountains, China. *Edinburgh Journal of Botany* [J] 78(334): 1-9. [E] 2021: [2]. doi: <https://doi.org/10.24823/EJB.2021.334>

**TYPE:** Y. K. Wei, H. Xu & Y. B. Huang S0617 (holotype: CSH-0042695; isotype: CSH, E)

**CHINA** (Sichuan\*, Xizang)

**Evidence:** morphology

*Scutellaria fujianensis* Z. H. Chen, W. Y. Xie & X. Z. Chen 腺毛黄芩 [New Name] nom. superfl.

**LI Gen-you, CHEN Xian-zhi, XIE Wen-yuan, LEI Zu-pei, CHEN Zheng-hai.** New Notes on Seed Plant in East China. *Journal of Zhejiang Forestry Science and Technology* [J] 41(4): 82-85. [C] 2021: [84]. doi: 10.3969/j.issn.1001-3776.2021.04.013

**TYPE:** S. B. Zhou 95407 (holotype: ANUB; isotype: KUN)

**CHINA** (Fujian\*)

**Evidence:** morphology

**R:** *Scutellaria adenotricha* X. H. Guo & S. B. Zhou

*Sinopogonantha setulosa* (C. Y. Wu & H. W. Li) H. W. Zhang & X. F. Jin 小刺毛鬍药草 [New Combination]

**LU Yi-fei, XU Yue-liang, XIE Wen-yuan, ZHANG Hong-wei, ZHENG Zi-hong, CAI Xin, JIN Xiao-feng.** Two New Species and a New Combination from Zhejiang, East China. *PhytoKeys* [J] 184: 111-126. [E] 2021: [116]. doi: 10.3897/phytokeys.184.73327

**TYPE:** R. H. Shan & X. Wu 2226 (holotype: NAS-00072429)

**CHINA** (Anhui\*, Zhejiang)

**Evidence:** morphology

**B:** *Paraphlomis setulosa* C. Y. Wu & H. W. Li

*Teucrium qingyuanense* D. L. Chen, Y. L. Xu & B. Y. Ding 庆元香科科 [New Species]

**CHEN De-liang, JIN Xiao-feng, XU Yue-liang, DING Bing-yang.** *Teucrium qingyuanense*, a New Species of Lamiaceae from Zhejiang, China. *Guihaia* [J] 41(4): 4-9. [C] 2021: [6]. doi: 10.11931/guihaia.gxzw202001030

**TYPE:** Y. L. Xu & al. Xu725 (holotype: ZM; isotypes: PE, HTC, ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology; ITS

**Lardizabalaceae 木通科**

*Akebia trifoliata* (Thunb.) Koidz. f. *dapanshanensis* G. Y. Li & Zi L. Chen 绿花三叶木通 [New Form]

**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [96]. doi: 10.3785/j.issn.1008-9497.2021.01.013

**TYPE:** G. Y. Li & al. DPS14041406 (holotype: ZJFC)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

**Lauraceae 樟科**

*Beilschmiedia atrata* C. K. Allen [Typification]

**DE KOK Rogier P.J.** A Revision of *Beilschmiedia* (Lauraceae) for Thailand and Indochina. *Thai Forest Bulletin* [J] 49(1): 1-26. [E] 2021: [17]. doi: 10.20531/tfb.2021.49.1.01

**TYPE:** Tsang & Fung 693 (lectotype: A-00041176!; isolectotype: A-00041177, BM-000950886, E-00386452, K-000768620, L-0035576, MO-247063, P-00745641)

**CHINA** (Hainan\*)

**Evidence:** morphology

*Beilschmiedia percoriacea* C. K. Allen [New Synonyms]

**DE KOK Rogier P.J.** A Revision of *Beilschmiedia* (Lauraceae) for Thailand and Indochina. *Thai Forest Bulletin* [J] 49(1): 1-26. [E] 2021: [15]. doi: 10.20531/tfb.2021.49.1.01

**TYPE:** How 72964 (holotype: A-00041189; isotype: BM, MO - 247295, P-00745643)  
**CHINA** (Guangxi, Hainan\*, Yunnan); **MYANMAR**, **THAILAND**, **VIETNAM**  
**IUCN:** LC; **Evidence:** morphology  
**S:** *Beilschmiedia glauca* S. K. Lee & L. F. Lau (Hainan Exped. 676, holotype: HSNU; isotype: PE-00188583)

*Beilschmiedia percoriacea* C. K. Allen var. *glaucoides* (H. W. Li) de Kok [New Combination]  
**DE KOK Rogier P.J.** A Revision of *Beilschmiedia* (Lauraceae) for Thailand and Indochina. *Thai Forest Bulletin* [J] 49(1): 1-26. [E] 2021: [16]. doi: 10.20531/tfb.2021.49.1.01  
**TYPE:** Wang 636 (holotype: HK; isotype: PE-00188582, PE-00188584, PE-00935835)  
**CHINA** (Yunnan\*); **THAILAND**  
**IUCN:** EN; **Evidence:** morphology  
**B:** *Beilschmiedia glauca* S. K. Lee & L. F. Lau var. *glaucoides* H. W. Li

*Lindera reflexa* Hemsl. f. *melanocarpa* Z. H. Chen & G. Y. Li 黑果山柃 [New Form]  
**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [96]. doi: 10.3785/j.issn.1008-9497.2021.01.013  
**TYPE:** Z. H. Chen, J. S. Wang & Y. R. Zhu WY18080106 (holotype: ZM)  
**CHINA** (Zhejiang\*)  
**Evidence:** morphology

*Lindera reflexa* Hemsl. f. *xanthocarpa* G. Y. Li & Z. H. Chen 黄果山柃 [New Form]  
**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [96]. doi: 10.3785/j.issn.1008-9497.2021.01.013  
**TYPE:** G. Y. Li & al. ZX20110901 (holotype: ZM)  
**CHINA** (Zhejiang\*)  
**Evidence:** morphology

*Litsea cubeba* (Lour.) Pers. f. *rubra* G. Y. Li, Z. H. Chen & H. D. Li 红果山鸡椒 [New Form]  
**LI Gen-you, LI Xiu-peng, CHEN Zheng-hai, MA Dan-dan, LIN Hai-lun.** New Taxa of Seed Plants from Ningbo, Zhejiang Province. *Botanical Research in Ningbo* [B]: 340-345. [C] 2021: [343].  
**TYPE:** H. D. Li, G. Y. Li & Z. H. Chen YY20120254 (holotype: ZJFC)  
**CHINA** (Zhejiang\*)  
**Evidence:** morphology

*Phoebe jinpingensis* Bing Liu, Y. Yang, W. Y. Jin & Zhi Yang [New Species]  
**YANG Zhi, JIN Wei-yin, LIU Bing, FERGUSON David Kay, YANG Yong.** Big Fruits with Tiny Tepals: An Unusual New Species of Lauraceae from Southwestern China. *PhytoKeys* [J] 179: 129-143. [E] 2021: [132]. doi: 10.3897/phytokeys.179.62050

**TYPE:** B. Liu, Y. Yang, Q. W. Lin, L. Jiang & X. J. Li 2050 (holotype: PE; isotype: PE)  
**CHINA** (Yunnan\*)  
**IUCN:** CR; **Evidence:** morphology; nrITS, LEAFY, matK

#### Lentibulariaceae 狸藻科

*Utricularia lihengiae* C. L. Long & Z. Cheng 李恒挖耳草 [New Species]  
**CHENG Zhuo, FANG Qiong, WANG Fei, LONG Chun-lin.** *Utricularia lihengiae* (Lentibulariaceae), a New Species from Northwest Yunnan, China. *PhytoKeys* [J] 177: 17-24. [E] 2021: [19]. doi: 10.3897/phytokeys.177.63346  
**TYPE:** C. L. Long & Z. Cheng DXH066 (holotype: KUN; isotype: KUN)  
**CHINA** (Yunnan\*)  
**IUCN:** CR; **Evidence:** morphology

#### Liliaceae 百合科

*Lilium leichtlinii* Hook. f. subsp. *maximowiczii* (Regel) J. Compton [New Combination]  
**COMPTON James A.** *Lilium leichtlinii* subsp. *maximowiczii* (Regel) J. Compton (Liliaceae): a New Combination for Maximowicz's Orange Lily. *PhytoKeys* [J] 174: 81-93. [E] 2021: [90]. doi: 10.3897/phytokeys.174.62059  
**TYPE:** C. J. Maximowicz s.n. (lectotype: LE-01072027); C. J. Maximowicz s.n. (syntype: LE-01072026)  
**CHINA** (Hebei, Jilin, Liaoning, Shaanxi); **JAPAN\***, **KOREA**, **RUSSIA**  
**Evidence:** morphology  
**B:** *Lilium maximowiczii* Regel

*Lilium leichtlinii* Hook. f. subsp. *maximowiczii* (Regel) J. Compton [Typification]  
**COMPTON James A.** *Lilium leichtlinii* subsp. *maximowiczii* (Regel) J. Compton (Liliaceae): a New Combination for Maximowicz's Orange Lily. *PhytoKeys* [J] 174: 81-93. [E] 2021: [90]. doi: 10.3897/phytokeys.174.62059  
**TYPE:** C. J. Maximowicz s.n. (lectotype: LE-01072027); C. J. Maximowicz s.n. (syntype: LE-01072026)  
**CHINA** (Hebei, Jilin, Liaoning, Shaanxi); **JAPAN\***, **KOREA**, **RUSSIA**  
**Evidence:** morphology

*Lilium* sect. *Bakeriana* S. T. Watan. & M. N. Tamura [New Section]  
**WATANABE Seita T., HAYASHI Kazuhiko, ARAKAWA Katsuro, FUSE Shizuka, NAGAMASU Hidetoshi, IKEDA Hiroshi, KUYAMA Atsushi, SUKSATHAN Piyakaset, POOPATH Manop, POOMA Rachun, YANG Yong-ping, TAMURA Minoru N.** Biosystematic Studies on *Lilium* (Liliaceae) I. Phylogenetic Analysis Based on Chloroplast and Nuclear DNA Sequences and a Revised Infrageneric Classification. *Acta Phytotaxonomica & Geobotanica* [J] 72(3): 179-204. [E] 2021: [200]. doi: 10.18942/apg.202107  
**TYPE:** *Lilium bakerianum* Collett & Hemsl.  
**CHINA** (Sichuan, Guizhou, Yunnan); **MYANMAR**, **THAILAND**  
**Evidence:** morphology; ITS, ETS, trnK, petA-psbJ, trnH-psbA, atpF-atpH, atpB-rbcL, trnS-trnG, rps16, trnL-trnL-trnF, rpl16, rpl32-trnL

*Lilium sect. Ecristata* (Balf. f.) S. T. Watan. & M. N. Tamura [New Combination]

WATANABE Seita T., HAYASHI Kazuhiko, ARAKAWA Katsuro, FUSE Shizuka, NAGAMASU Hidetoshi, IKEDA Hiroshi, KUYAMA Atsushi, SUKSATHAN Piyakaset, POOPATH Manop, POOMA Rachun, YANG Yong-ping, TAMURA Minoru N. Biosystematic Studies on *Lilium* (Liliaceae) I. Phylogenetic Analysis Based on Chloroplast and Nuclear DNA Sequences and a Revised Infrageneric Classification. *Acta Phytotaxonomica & Geobotanica* [J] 72(3): 179-204. [E] 2021: [200]. doi: 10.18942/apg.202107

TYPE: *Lilium saluenense* (Balf. f.) S. Yun Liang  
CHINA (Sichuan, Xizang, Yunnan); MYANMAR  
Evidence: morphology; ITS, ETS, trnK, petA-psbJ, trnH-psbA, atpF-atpH, atpB-rbcL, trnS-trnG, rps16, trnL-trnL-trnF, rpl16, rpl32-trnL

B: *Nomocharis* sect. *Ecristata* Balf. f.

*Lilium sect. Japonica* (Baranova) S. T. Watan. & M. N. Tamura [New Combination]

WATANABE Seita T., HAYASHI Kazuhiko, ARAKAWA Katsuro, FUSE Shizuka, NAGAMASU Hidetoshi, IKEDA Hiroshi, KUYAMA Atsushi, SUKSATHAN Piyakaset, POOPATH Manop, POOMA Rachun, YANG Yong-ping, TAMURA Minoru N. Biosystematic Studies on *Lilium* (Liliaceae) I. Phylogenetic Analysis Based on Chloroplast and Nuclear DNA Sequences and a Revised Infrageneric Classification. *Acta Phytotaxonomica & Geobotanica* [J] 72(3): 179-204. [E] 2021: [200]. doi: 10.18942/apg.202107

TYPE: *Lilium japonicum* Thunb. ex Houltt.  
CHINA (Anhui, Jiangxi, Hunan, Guangxi, Taiwan, Zhejiang); JAPAN  
Evidence: morphology; ITS, ETS, trnK, petA-psbJ, trnH-psbA, atpF-atpH, atpB-rbcL, trnS-trnG, rps16, trnL-trnL-trnF, rpl16, rpl32-trnL

B: *Lilium* subsect. *Japonica* Baranova

#### Linaceae 亚麻科

*Linum medium* (Planch.) Britton 北美黄亚麻 [New Record]  
ZHENG Zi-hong, CHEN Feng, CHEN Jian-bo, XIE Wen-yuan, CHEN Zheng-hai, LI Gen-you. New Naturalized Plants in Zhejiang Province. *Journal of Zhejiang Forestry Science and Technology* [J] 41(6): 91-94. [C] 2021: [92]. doi: 10.3969/j.issn.1001-3776.2021.06.015

CHINA (Zhejiang); [AMERICA]

Evidence: morphology

#### Loganiaceae 马钱科

*Mitreola bullata* Y. S. Chen & J. J. Liao 泡叶度量草 [New Species]

LIAO Jun-jie, CHEN You-shen. *Mitreola bullata* sp. nov. (Loganiaceae), a New Species from Yunnan, China. *Phytotaxa* [J] 487(2): 181-184. [E] 2021: [181]. doi: 10.11646/phytotaxa.487.2.10

TYPE: Y. S. Chen & al. YY1118 (holotype: IBSC; isotype: KUN, PE); Y. S. Chen & al. YY1054 (paratype: IBSC)

CHINA (Yunnan\*)

IUCN: CR; Evidence: morphology

*Mitreola lincangensis* Z. J. Mu, Z. J. Shan & B. Pan [New Species]

SHAN Zhang-jian, LI Rui-nian, PAN Bo, MU Ze-jing, CAO Lan, HOU Zhao-qiang, DU Xiao-lang. *Mitreola lincangensis* (Loganiaceae, Loganioideae), a New Species from Yunnan, China. *Pakistan Journal of Botany* [J] 53(1): 155-159. [E] 2021: [155]. doi: 10.30848/PJB2021-1(23)

TYPE: R. N. Li & Z. Q. Hou JXCM20180323001 (holotype: JXCM; isotype: JXCM, PE)

CHINA (Yunnan\*)

IUCN: CR; Evidence: morphology

#### Lythraceae 千屈菜科

*Lythrum hyssopifolia* L. 神香草叶千屈菜 [New Record]

HU Fan-bin, XIN Yue, GUO Ke, ZHAO Li-qing. Seven Newly Recorded Species from Xizang and Xinjiang in China. *Biodiversity Science* [J] 29(9): 1265-1270. [C] 2021: [1267]. doi: 10.17520/biods.2021181

CHINA (Xinjiang); KAZAKHSTAN

Evidence: morphology

#### Magnoliaceae 木兰科

*Magnolia amoena* W. C. Cheng f. *alba* H. L. Lin & G. Y. Li 白花天目木兰 [New Form]

LI Gen-you, WANG Jun-feng, XIE Wen-yuan, ZHANG Fen-yao, MEI Xu-dong, CHEN Zheng-hai. Notes on the Seed Plant Flora of Zhejiang (VIII). *Journal of Zhejiang Forestry Science and Technology* [J] 41(1): 40-46. [C] 2021: [44]. doi: 10.3969/j.issn.1001-3776.2021.01.006

TYPE: H. L. Lin BL2016025 (holotype: ZJFC)

CHINA (Zhejiang\*)

Evidence: morphology

*Magnolia amoena* W. C. Cheng f. *purpurascens* F. Y. Zhang & X. Y. Ye 紫花天目木兰 [New Form]

LI Gen-you, WANG Jun-feng, XIE Wen-yuan, ZHANG Fen-yao, MEI Xu-dong, CHEN Zheng-hai. Notes on the Seed Plant Flora of Zhejiang (VIII). *Journal of Zhejiang Forestry Science and Technology* [J] 41(1): 40-46. [C] 2021: [43]. doi: 10.3969/j.issn.1001-3776.2021.01.006

TYPE: F. Y. Zhang & X. Y. Ye LA2014006 (holotype: ZJFC)

CHINA (Zhejiang\*)

Evidence: morphology

*Michelia retusa* Qing L. Wang, Y. H. Tong & N. H. Xia [New Species]

WANG Qing-long, TONG Yi-hua, WANG Zhu-nian, XIA Nian-he. *Michelia retusa* (Magnoliaceae), a Critically Endangered New Species from Hainan, China. *Nordic Journal of Botany* [J] 39(e03049): 1-5. [E] 2021: [2]. doi: 10.1111/njb.03049

TYPE: Q. L. Wang 20200518038 (holotype: IBSC; isotype: IBSC, ATCH); Q. L. Wang 20201007002 (paratype: IBSC, ATCH)

CHINA (Hainan\*)

IUCN: CR; Evidence: morphology

*Michelia taishanensis* Y. H. Tong, X. E. Ye, X. H. Ye & Yu Q. Chen 台山含笑 [New Species]

YE Xing-er, YE Xue-he, CHEN Yu-qiang, LIU Yue-yao, TONG Yi-hua. *Michelia taishanensis* Y. H. Tong, X. E. Ye, X. H. Ye & Yu Q. Chen (Magnoliaceae), a New Species from Guangdong. *Journal of Tropical and Subtropical Botany* [J] 29(4): 413-416. [E] 2021: [414]. doi: 10.11926/jtsb.4359

**TYPE:** Taishan Exped. 440181190321027LY (holotype: IBSC; isotype: IBSC); N. H. Xia & al. TYH-1720 (paratype: IBSC)  
**CHINA** (Guangdong\*)  
**Evidence:** morphology

#### Malvaceae 锦葵科

*Sida mysorensis* Wight & Arn. [Typification]

**NIMBALKAR V. V., TAMBDE G. M., SARDESAI M. M.** Lectotypification of Six Names in the Genus *Sida* (Malvaceae).

*Rheedeia* [J] 31(2): 96-100. [E] 2021: [96]. doi: 10.22244/rheedeia.2021.31.02.12

**TYPE:** Heyne 183 (lectotype: K-000659370; isolectotype: K000659371)

**CHINA** (Guangdong, Guangxi, Hainan, Taiwan, Yunnan);  
**INDIA**\*

**Evidence:** morphology

#### Mazaceae 通泉草科

*Mazus fruticosus* Bo Li, D. G. Zhang & C. L. Xiang 灌状通泉草 [New Species]

**XIANG Chun-lei, PAN Hong-li, MIN Dao-zhang, ZHANG Dai-gui, ZHAO Fei, LIU Bing, LI Bo.** Rediscovery of *Mazus lanceifolius* Reveals a New Genus and a New Species in Mazaceae. *PhytoKeys* [J] 171: 1-24. [E] 2021: [9]. doi: 10.3897/phytokeys.171.61926

**TYPE:** D. G. Zhang zdg6673 (holotype: JIU)

**CHINA** (Hubei\*)

**Evidence:** morphology; matK, rbcL, rps16, trnL-trnF, nrITS

*Puchiumazus* Bo Li, D. G. Zhang & C. L. Xiang 补求草属 [New Genus]

**XIANG Chun-lei, PAN Hong-li, MIN Dao-zhang, ZHANG Dai-gui, ZHAO Fei, LIU Bing, LI Bo.** Rediscovery of *Mazus lanceifolius* Reveals a New Genus and a New Species in Mazaceae. *PhytoKeys* [J] 171: 1-24. [E] 2021: [6]. doi: 10.3897/phytokeys.171.61926

**TYPE:** *Puchiumazus lanceifolius* (Hemsl.) Bo Li, D. G. Zhang & C. L. Xiang

**Evidence:** morphology; matK, rbcL, rps16, trnL-trnF, nrITS

*Puchiumazus lanceifolius* (Hemsl.) Bo Li, D. G. Zhang & C. L. Xiang 补求草 [New Combination]

**XIANG Chun-lei, PAN Hong-li, MIN Dao-zhang, ZHANG Dai-gui, ZHAO Fei, LIU Bing, LI Bo.** Rediscovery of *Mazus lanceifolius* Reveals a New Genus and a New Species in Mazaceae. *PhytoKeys* [J] 171: 1-24. [E] 2021: [8]. doi: 10.3897/phytokeys.171.61926

**TYPE:** A. Henry 5837 (lectotype: K-001079356)

**CHINA** (Hubei\*)

**Evidence:** morphology; matK, rbcL, rps16, trnL-trnF, nrITS

**B:** *Mazus lanceifolius* Hemsl.

*Puchiumazus lanceifolius* (Hemsl.) Bo Li, D. G. Zhang & C. L. Xiang 补求草 [Rediscovery]

**XIANG Chun-lei, PAN Hong-li, MIN Dao-zhang, ZHANG Dai-gui, ZHAO Fei, LIU Bing, LI Bo.** Rediscovery of *Mazus lanceifolius* Reveals a New Genus and a New Species in Mazaceae. *PhytoKeys* [J] 171: 1-24. [E] 2021: [8]. doi: 10.3897/phytokeys.171.61926

**TYPE:** A. Henry 5837 (lectotype: K-001079356)

**CHINA** (Hubei\*)

**Evidence:** morphology; matK, rbcL, rps16, trnL-trnF, nrITS

*Puchiumazus lanceifolius* (Hemsl.) Bo Li, D. G. Zhang & C. L. Xiang 补求草 [Typification]

**XIANG Chun-lei, PAN Hong-li, MIN Dao-zhang, ZHANG Dai-gui, ZHAO Fei, LIU Bing, LI Bo.** Rediscovery of *Mazus lanceifolius* Reveals a New Genus and a New Species in Mazaceae. *PhytoKeys* [J] 171: 1-24. [E] 2021: [8]. doi: 10.3897/phytokeys.171.61926

**TYPE:** A. Henry 5837 (lectotype: K-001079356)

**CHINA** (Hubei\*)

**Evidence:** morphology

#### Melastomataceae 野牡丹科

*Phyllagathis chongzuoensis* Zhe Zhang, S. W. Yao & S. Jin Zeng 崇左锦香草 [New Species]

**ZHANG Zhe, TU Xiong-de, YAO Shi-wei, MA Liang, ZENG Si-jin.** *Phyllagathis chongzuoensis* (Melastomataceae), a New Species from Guangxi, China. *Phytotaxa* [J] 527(3): 191-200. [E] 2021: [195]. doi: 10.11646/phytotaxa.527.3.3

**TYPE:** Zhe Zhang, S. W. Yao & F. Sun ZZ0823 (holotype: FJFC; isotype: NPH, IBSC)

**CHINA** (Guangxi\*)

**Evidence:** morphology; nrITS

*Phyllagathis elegans* Hai L. Chen, Yan Liu & Ying Liu [New Species]

**CHEN Hai-ling, NONG Shi-yue, LIU Yan, LIU Ying.** A New Species of *Phyllagathis* (Sonerileae, Melastomataceae) from Guangxi, China. *Phytotaxa* [J] 509(2): 225-232. [E] 2021: [225]. doi: 10.11646/phytotaxa.509.2.5

**TYPE:** H. L. Chen & al. JHC343 (holotype: IBK; isotype: A, IBSC, PE)

**CHINA** (Guangxi\*)

**IUCN:** EN; **Evidence:** morphology

*Phyllagathis impressinervia* Y. L. Su, Yan Liu & Ying Liu [New Species]

**SU Yu-lan, LIU Yan, LIU Ying.** A New Species of *Phyllagathis* (Melastomataceae, Sonerileae) from Guangxi, China. *Phytotaxa* [J] 500(2): 117-124. [E] 2021: [117]. doi: 10.11646/phytotaxa.500.2.4

**TYPE:** Y. L. Su & Y. Qin QYLS081 (holotype: IBK; isotype: A, IBSC, PE)

**CHINA** (Guangxi\*)

**IUCN:** VU; **Evidence:** morphology

*Tigridiopalma exalata* S. Jin Zeng, Y. C. Xu & D. F. Cui 惠州虎颜花 [New Species]

**ZENG Si-jin, XU Ye-chun, WANG Gang-tao, JIA Peng, CUI Da-fang.** *Tigridiopalma exalata*, a New and Endangered Species of Melastomataceae from China. *PhytoKeys* [J] 176: 33-42. [E] 2021: [37]. doi: 10.3897/phytokeys.176.63619

**TYPE:** S. Jin Zeng 982 (holotype: IBSC; isotype: CANT, KUN, PE); S. Jin Zeng 397 (paratype: CANT, IBSC)

**CHINA** (Guangdong\*)

**IUCN:** EN; **Evidence:** morphology; nrITS, ndhF, rpl16

*Tigridiopalma longmenensis* Hui F. Wang, H. L. Cao & H. G. Ye [New Species]

**WANG Hui-feng, WANG Zheng-feng, QIN Qiao-mei, CAO Hong-lin, GUO Xiao-ming.** *Tigridiopalma longmenensis* (Melastomataceae), a New Species from Guangdong, China.

*Phytotaxa* [J] 500(3): 241-247. [E] 2021: [244]. doi: 10.11646/phytotaxa.500.3.8

**TYPE:** H. F. Wang, H. L. Cao & H. G. Ye 20200912001 (holotype: IBSC-0858304; isotype: IBSC-0858305, IBSC-0858306)

**CHINA** (Guangdong\*)

**IUCN:** EN; **Evidence:** morphology; chloroplast genome

#### Moraceae 桑科

*Fatoua* Gaudich. [New Synonyms]

**FENG Hui-zhe, MENG Kai-kai, WANG Long-yuan.** The Identities of *Capsulea* and *C. bashanensis*. *Phytotaxa* [J] 497(1): 57-58. [E] 2021: [57]. doi: 10.11646/phytotaxa.497.1.7

**TYPE:** *Capsulea bashanensis* Yong Wang tetrakis

**Evidence:** morphology

**S:** *Capsulea* Yong Wang tetrakis

*Fatoua villosa* (Thunb.) Nakai [New Synonyms]

**FENG Hui-zhe, MENG Kai-kai, WANG Long-yuan.** The Identities of *Capsulea* and *C. bashanensis*. *Phytotaxa* [J] 497(1): 57-58. [E] 2021: [57]. doi: 10.11646/phytotaxa.497.1.7

**TYPE:** Thunberg s.n. (holotype: UPS-V-135729)

**CHINA** (Anhui, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hebei, Henan, Hubei, Jiangsu, Jiangxi, Taiwan, Yunnan, Zhejiang); **JAPAN\***

**Evidence:** morphology

**S:** *Capsulea bashanensis* Yong Wang tetrakis (Y. Wang 16098, holotype: HZTC; isotype: PE)

*Ficus pumila* L. var. *ellipsoidea* W. C. Cheng 爱玉子 [New Synonyms]

**LI Gen-you, CHEN Xian-zhi, XIE Wen-yuan, LEI Zu-pei, CHEN Zheng-hai.** New Notes on Seed Plant in East China. *Journal of Zhejiang Forestry Science and Technology* [J] 41(4): 82-85. [C] 2021: [83]. doi: 10.3969/j.issn.1001-3776.2021.04.013

**TYPE:** S. Chen 3564 (lectotype: PE-00023071; isolectotype: PE-00734086, IBSC-0373559, NAS-00070407)

**CHINA** (Taiwan, Zhejiang\*)

**Evidence:** morphology

**S:** *Ficus pumila* L. var. *awkeotsang* (Makino) Corner; *Ficus awkeotsang* Makino

*Ficus thunbergii* Maxim. 海岛藤荔 [New Synonyms]

**LI Gen-you, XIE Wen-yuan, CHEN Feng, ZHANG Fen-yao, CHEN Gao-kun, CHEN Zheng-hai.** Notes on the Seed Plant Flora of Zhejiang (XI). *Journal of Zhejiang Forestry Science and Technology* [J] 41(4): 77-81. [C] 2021: [77]. doi: 10.3969/j.issn.1001-3776.2021.04.012

**TYPE:** C. J. Maxim s.n. (isotype: BM-000951726); C. J. Maxim s.n. (syntype: P-06845976)

**CHINA** (Zhejiang); **JAPAN\***

**Evidence:** morphology

**S:** *Ficus pumila* L. var. *microcarpa* G. Y. Li & Z. H. Chen (G. Y. Li & al. PT0909082, holotype: ZJFC)

#### Oleaceae 木樨科

*Jasminum lang* Gagnep. [Typification]

**QUANG Bui Hong, CHOUDHARY Ritesh Kumar, LEE Joongku.** Nomenclatural Notes and Typification of Nine Names Related to *Jasminum* (Oleaceae). *PhytoKeys* [J] 183: 55-65. [E] 2021: [59]. doi: 10.3897/phytokeys.183.69858

**TYPE:** H. F. Bon 2869 (lectotype: P-00640614; isolectotype: K-000901460); H. F. Bon 2604 (syntype: P-00640615); Poilane 6867 (syntype: K, VNM-00021039)

**CHINA** (Guangxi, Yunnan); **VIETNAM\***

**Evidence:** morphology

*Jasminum pierreanum* Gagnep. [Typification]

**QUANG Bui Hong, CHOUDHARY Ritesh Kumar, LEE Joongku.** Nomenclatural Notes and Typification of Nine Names Related to *Jasminum* (Oleaceae). *PhytoKeys* [J] 183: 55-65. [E] 2021: [61]. doi: 10.3897/phytokeys.183.69858

**TYPE:** L. Pierre 2828 (lectotype: P-00640601; isolectotype: P-00640600, VNM-00021049); L. Pierre s.n. (syntype: P-00644300)

**CHINA** (Hainan); **CAMBODIA, VIETNAM\***

**Evidence:** morphology

*Jasminum rufohirtum* Gagnep. [Typification]

**QUANG Bui Hong, CHOUDHARY Ritesh Kumar, LEE Joongku.** Nomenclatural Notes and Typification of Nine Names Related to *Jasminum* (Oleaceae). *PhytoKeys* [J] 183: 55-65. [E] 2021: [62]. doi: 10.3897/phytokeys.183.69858

**TYPE:** Pételot 5032 (lectotype: P-00644294; isolectotype: P-00644295, NY-00297220)

**CHINA** (Yunnan); **VIETNAM\***

**Evidence:** morphology

*Jasminum sinense* Hemsl. [Typification]

**QUANG Bui Hong, CHOUDHARY Ritesh Kumar, LEE Joongku.** Nomenclatural Notes and Typification of Nine Names Related to *Jasminum* (Oleaceae). *PhytoKeys* [J] 183: 55-65. [E] 2021: [62]. doi: 10.3897/phytokeys.183.69858

**TYPE:** A. Henry 4464 (lectotype: K-000901325; isolectotype: K-000901323); A. Henry 2106 (syntype: K-000901324, US-00112856); Ford 114 (syntype: K-000901326, P-00640606, P-00640607, IBSC-0002797)

**CHINA** (Guangdong, Hubei\*); **VIETNAM**

**Evidence:** morphology

*Ligustrum compactum* (Wall. ex G. Don) Hook. f. & Thomson ex Brandis var. *latifolium* W. C. Cheng 落叶女贞 [New Synonyms]

**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [94]. doi: 10.3785/j.issn.1008-9497.2021.01.013

**CHINA** (Jiangsu)

**Evidence:** morphology

**S:** *Ligustrum lucidum* W. T. Aiton f. *latifolium* (W. C. Cheng) P. S. Hsu; *Ligustrum lucidum* W. T. Aiton var. *latifolium* (W. C. Cheng) W. C. Cheng

*Ligustrum fengjieense* Xian Y. Li & Si Y. Zeng 长梗女贞 [New Species]

**LI Xian-yuan, ZENG Si-yuan, YU Jie.** *Ligustrum fengjieense* (Oleaceae), a New Species from Eastern Chongqing, China. *Phytotaxa* [J] 494(3): 297-300. [E] 2021: [298]. doi: 10.11646/phytotaxa.494.3.5

**TYPE:** Xian Y. Li 2019001 (holotype: HWA); Xian Y. Li 2019002 (paratype: HWA)

**CHINA** (Chongqing\*)

**IUCN:** DD; **Evidence:** morphology



*Osmanthus austrozhejiangensis* Z. H. Chen, W. Y. Xie & Xi Liu 浙南木樨 [New Species]

**XIE Wen-yuan, LIU Xi, MEI Xu-dong, CHEN Feng, CHEN Zheng-hai.** *Osmanthus austrozhejiangensis* (Oleaceae) a New Species from Zhejiang. *Guihaia* [J] 41(1): 10-15. [C] 2021: [11]. doi: 10.11931/guihaia.gxzw202001030

**TYPE:** X. D. Mei & S. Z. Hu JN18093002 (holotype: ZM; isotype: ZM, IBK); Z. H. Chen, S. Z. Hu & R. L. Liu JN181217001 (paratype: IBK, ZM); Z. H. Chen, S. Z. Hu & R. L. Liu JN181217002 (paratype: ZM); Z. H. Chen & R. L. Liu JN181217003 (paratype: ZM); S. Z. Hu JN180905004 (paratype: ZM); S. Z. Hu JN180905006 (paratype: ZM); Z. H. Chen & al. JN19031401 (paratype: ZM); X. D. Mei & J. Lin JN01 (paratype: ZM); X. D. Mei & J. Lin JN02 (paratype: ZM); X. D. Mei & J. Lin JN03 (paratype: ZM); Z. H. Chen & al. JN170801-08 (a) (paratype: ZM); Z. H. Chen & al. JN19031305 (paratype: ZM); M. X. Wu & F. G. Zhang 4382 (paratype: ZM); s.coll. 23989 (paratype: HHBG); Z. H. Chen & X. Liu TS18062209 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology; ITS

#### Orchidaceae 兰科

*Anoectochilus medogensis* H. Z. Tian & Yue Jin 墨脱金线兰 [New Species]

**JIN Yue, SUN Mei, JIANG Hong, KUMAR Pankaj, LIU Zhen, SCHUITEMAN Andre, WU Jian-yong, TIAN Huai-zhen.** *Anoectochilus medogensis* (Goodyerinae, Cranichideae, Orchidaceae), a New Species from Tibet, China. *Phytotaxa* [J] 510(3): 213-227. [E] 2021: [216]. doi: 10.11646/phytotaxa.510.3.2

**TYPE:** H. Z. Tian & al. 20190817003 (holotype: HSNU-0079764); H. Z. Tian & al. 20190817004 (paratype: CSH-0180101); H. Z. Tian & al. 20190818006 (paratype: PE); H. Z. Tian & al. 20190818017 (paratype: HSNU-0079765); H. Jiang & W. P. Zhang 07465 (paratype: YAF-07465)

**CHINA** (Xizang\*)

**IUCN:** CR; **Evidence:** morphology; ITS, trnL-F, matK1, matK2, rbcL

*Aphyllorchis yachangensis* Ying Qin & Yan Liu 雅长无叶兰 [New Species]

**QIN Ying, CHEN Hai-ling, DENG Zhen-hai, LIU Yan.** *Aphyllorchis yachangensis* (Orchidaceae), a New Holomycotrophic Orchid from China. *PhytoKeys* [J] 179: 91-97. [E] 2021: [92]. doi: 10.3897/phytokeys.179.63994

**TYPE:** Ying Qin & al. QY20190719001 (holotype: IBK; isotype: IBK)

**CHINA** (Guangxi\*)

**Evidence:** morphology

*Bulbophyllum frostii* Summerh 缘毛卷瓣兰 [New Record]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [371]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** M. Sandes s.n. (holotype: K-000891074)

**CHINA** (Yunnan); **VIETNAM\***

**Evidence:** morphology

*Bulbophyllum nematocaulon* Ridl. 绿花石豆兰 [New Record]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [374]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** Scortechini B. 614 (holotype: K-000829265)

**CHINA** (Yunnan); **MALAYSIA\***

**Evidence:** morphology

*Bulbophyllum pulcherissimum* H. Jiang, D. M. He & J. D. Ya 美花大苞兰 [New Species]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [373]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** H. Jiang 10026 (holotype: YAF; isotype: KUN); H. Jiang 10122 (paratype: YAF)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Bulbophyllum raskotii* J. J. Verm., Schuit. & de Vogel 尼泊尔大苞兰 [New Record]

**LI Meng-kai, CHEN Xue-da, XIA Chen-xi, XING Zhen, LUO Yan.** Two Newly Recorded Species (Orchidaceae) in China. *Guihaia* [J] 41(3): 482-486. [C] 2021: [483]. doi: 10.11931/guihaia.gxzw202008002

**TYPE:** B. B. Raskoti 270 (holotype: KATH; isotype: TUCH)

**CHINA** (Xizang); **NEPAL\***

**IUCN:** EN; **Evidence:** morphology

*Bulbophyllum raskotii* J. J. Verm., Schuit. & de Vogel 滇西大苞兰 [New Record]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [372]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** B. B. raskoti 270 (holotype: KATH; isotype TUCH)

**CHINA** (Yunnan); **NEPAL\***

**Evidence:** morphology

*Bulbophyllum retusum* H. Jiang, D. P. Ye & J. D. Ya 凹萼石豆兰 [New Species]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [369]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** H. Jiang 05599 (holotype: YAF; isotype: KUN, YAF); H. Jiang 04407 (paratype: YAF); H. Jiang 05664 (paratype: YAF); H. Jiang 09005 (paratype: YAF); J. D. Ya, L. Huang, R. Z. Zhang 19HT3315 (paratype: KUN); H. Jiang 05638 (paratype: YAF)

**CHINA** (Xizang, Yunnan\*)

**Evidence:** morphology

***Bulbophyllum tseanum*** (S. Y. Hu & Barretto) Z. H. Tsi [New Synonyms]

**LI Lin, HU Ai-qun, WU Qiu-ping, WU Kun-lin, FANG Lin, ZENG Song-jun.** Reconsideration of the Taxonomic Status of *Bulbophyllum obtusangulum* (Orchidaceae) from Southern China. *Phytotaxa* [J] 494(2): 219-224. [E] 2021: [222]. doi: 10.11646/phytotaxa.494.2.4

**TYPE:** S. Y. Hu 13586 (holotype: K)

**CHINA** (Hainan, Hong Kong\*)

**Evidence:** morphology

**S:** *Bulbophyllum obtusangulum* Z. H. Tsi (F. C. How 72637B, holotype: PE; isotype: IBSC)

***Bulbophyllum versicolor*** Z. Zhou, P. Y. Wu & Z. J. Liu 多色卷瓣兰 [New Species]

**ZHOU Zhuang, WU Peng-yu, LIN Ya-jun, ZHAO Zhuang, TU Xiong-de, FU Shuang-bin, YING Zhen, LIU Zhong-jian.** *Bulbophyllum versicolor* (Orchidaceae, Malaxideae), a New Species from Yunnan, China: Evidence from Morphology and Molecular Analyses. *Phytotaxa* [J] 528(4): 247-254. [E] 2021: [251]. doi: 10.11646/phytotaxa.528.4.3

**TYPE:** Z. Zhou 2020103001 (holotype: ZM)

**CHINA** (Yunnan\*)

**IUCN:** CR; **Evidence:** morphology; nrITS, matK, atpI-atpH, trnL-F

***Bulbophyllum ximaense*** J. D. Ya & Ting Zhang 昔马石豆兰 [New Species]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [366]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** Ting Zhang, J. D. Ya & Q. R. Zhang 17HT0351 (holotype: KUN; isotype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology

***Bulbophyllum xizangense*** J. D. Ya & C. Liu 西藏石豆兰 [New Species]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [368]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** J. D. Ya & C. Liu 18HT2445 (holotype: KUN; isotype: KUN)

**CHINA** (Xizang\*)

**Evidence:** morphology

***Calanthe × yarlungzangboensis*** P. P. Wu & Zi Wang 雅鲁藏布虾脊兰 [New Nothospecies]

**WU Po-po, WANG Zi, JIA Ning-xia, GUO Shi-wei, LIU Chang-cheng, JIN xiao-hua, GUO Ke.** *Calanthe × yarlungzangboensis*, a New Natural Hybrid in Genus *Calanthe* (Orchidaceae) from China. *Phytotaxa* [J] 518(2): 167-174. [E] 2021: [171]. doi: 10.11646/phytotaxa.518.2.5

**TYPE:** P. P. Wu & Z. Wang VTP00009089 (holotype: PE)

**CHINA** (Xizang\*)

**Evidence:** morphology; ITS, rbcL, matk

**H:** *Calanthe griffithii* Paxton & Lindl. × *Calanthe tricarinata* Lindl.

***Cheirostylis chuxiongensis*** J. D. Ya 小唇叉柱兰 [New Species]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [363]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** J. D. Ya, L. Huang & R. Z. Zhang 19HT3275 (holotype: KUN); H. Jiang 10118 (paratype: YAF)

**CHINA** (Yunnan\*)

**Evidence:** morphology

***Cheirostylis yei*** J. D. Ya, Z. D. Han & H. Jiang 叶氏叉柱兰 [New Species]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [363]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** J. D. Ya & Z. D. Han 19HT3124 (holotype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology

***Chiloschista parishii*** Seidenf. 宽囊异型兰 [New Record]

**LIU Ding-kun, MA Liang, CHEN Shi-pin, LAN Si-ren, LI Ming-he.** *Chiloschista parishii* Seidenf. (Orchidaceae), a New Record to Mainland of China. *Journal of Tropical and Subtropical Botany* [J] 29(2): 149-150. [C] 2021: [149]. doi: 10.11926/jtsb.4278

**CHINA** (Taiwan, Yunnan); INDIA, MYANMAR, THAILAND

**Evidence:** morphology

***Cleisostoma luopingense*** Q. Liu & X. F. Wu [New Species]

**WU Xun-feng, WANG Yu-qian, CHI Kuan-bo, LIU Qiang, WANG Wen-hua.** *Cleisostoma luopingense*, a New Species of Orchidaceae from Yunnan, China. *Phytotaxa* [J] 521(4): 244-248. [E] 2021: [245]. doi: 10.11646/phytotaxa.521.4.2

**TYPE:** Q. Liu 748 (holotype: HFTC)

**CHINA** (Yunnan\*)

**Evidence:** morphology

***Cleisostoma tricorneratum*** Aver. 角状隔距兰 [New Record]

**LI Jian-wu, YA Ji-dong, YE De-ping, LIU Cheng, LIU Qiang, PAN Rui, HE Zai-xing, PAN Bo, CAI Jie, LIN Dong-liang, JIN Xiao-hua.** Taxonomy Notes on Vandaeae (Orchidaceae) from China: Five New Species and Two New Records. *Plant Diversity* [J] 43(5): 379-389. [E] 2021: [388]. doi: 10.1016/j.pld.2021.01.009

**TYPE:** Averyanov & al. CPC 6894 (holotype: LE)

**CHINA** (Yunnan); VIETNAM\*

**Evidence:** morphology; nrITS, matk

***Corallorhiza sinensis*** G. W. Hu & Q. F. Wang [New Species]

**YANG Jia-xin, PENG Shuai, WANG Jun-jie, DING Shi-xiong, WANG Yan, TIAN Jing, YANG Han, HU Guang-wan, WANG Qing-feng.** Morphological and Genomic Evidence for a New Species of *Corallorhiza* (Orchidaceae: Epidendroideae) from SW

China. *Plant Diversity* [J] 43(5): 409-419. [E] 2021: [413]. doi: 10.1016/j.pld.2021.01.002

**TYPE:** S. Peng, J. X. Yang & J. J. Wang YJX-0060 (holotype: HIB; isotype: HIB); S. Peng, J. X. Yang & J. J. Wang PS-00166 (paratype: HIB)

**CHINA** (Sichuan\*)

**IUCN:** CR; **Evidence:** morphology; plastid genome

*Crepidium* × *cordilabium* T. P. Lin 心唇小柱兰 [New Nothospecies]

**LIN Tsan-piao.** New Additions of *Crepidium*, *Goodyera*, and *Platanthera* (Orchidaceae) to the Orchid Flora of Taiwan.

*Taiwania* [J] 66(1): 11-19. [E] 2021: [14]. doi: 10.6165/tai.2021.66.11

**TYPE:** J. Y. Wang s.n. (type: TAI-289768)

**CHINA** (Taiwan\*)

**Evidence:** morphology

**H:** *Crepidium ophrydis* (J. Koenig) M. A. Clem. & D. L. Jones × *Crepidium matsudae* (Yamam.) Szlach.

*Cymbidium motuoense* W. Q. Hu, Qing H. Zhang & Z. J. Liu 墨脱虎头兰 [New Species]

**HU Wen-qi, ZHANG Qing-hai, CHEN Gui-zhen, ZHU Meng-jia, YU Xia, ZHANG Di-yang, LIU Zhong-jian.** *Cymbidium motuoense* (Orchidaceae; Epidendroideae), a New Species from China: Evidence from Morphological and Molecular Data. *Phytotaxa* [J] 509(1): 106-112. [E] 2021: [110]. doi: 10.11646/phytotaxa.509.1.5

**TYPE:** W. Q. Hu 001 (holotype: FJFC)

**CHINA** (Xizang\*)

**Evidence:** morphology; nrITS, matK, rbcL

*Cymbidium weishanense* X. Yu & Z. J. Liu 巍山兰 [New Species]

**YU Xia, ZENG Meng-yao, CHEN Gui-zhen, XU Xin-yu, BI Yuan-yang, CHEN Jia-ting, WANG Qian-qian, HU Wen-qi, ZHANG Di-yang, LIU Zhong-jian.** *Cymbidium weishanense* (Orchidaceae; Epidendroideae), a New Species from China: Evidence from Morphological and Molecular Data. *Phytotaxa* [J] 500(1): 45-50. [E] 2021: [49]. doi: 10.11646/phytotaxa.500.1.6

**TYPE:** X. Yu F001 (holotype: FJFC)

**CHINA** (Yunnan\*)

**Evidence:** morphology; nrITS, matK, rbcL

*Cymbidium xichouense* Xin Y. Xu, C. C. Ding & S. R. Lan 西畴兰 [New Species]

**XU Xin-yu, DING Chang-chun, HU Wen-qi, YU Xia, ZHENG Yu, ZHANG Di-yang, LIAO Xing-yu, LIU Xue-die, LIU Zhong-jian, LAN Si-ren.** *Cymbidium xichouense* (Orchidaceae; Epidendroideae), a New Species from China: Evidence from Morphological and Molecular Data. *Phytotaxa* [J] 484(3): 291-297. [E] 2021: [294]. doi: 10.11646/phytotaxa.484.3.4

**TYPE:** X. Y. Xu F001 (holotype: FJFC)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Eucosia carnea* Blume [New Synonyms]

**SUETSUGU Kenji, HSU Tian-chuan.** Taxonomic Notes on the Genus *Eucosia* (Orchidaceae) in Japan and Taiwan. *Phytotaxa* [J] 520(2): 215-224. [E] 2021: [215]. doi: 10.11646/phytotaxa.520.2.9

**TYPE:** C. L. Blume s.n. (holotype: L-0061220)

**CHINA** (Taiwan); **INDONESIA**\*

**Evidence:** morphology

**S:** *Eucosia hengchunensis* T. C. Hsu; *Goodyera viridiflora* (Blume) Blume var. *hengchunensis* (T. C. Hsu) T. P. Lin (T.C. Hsu 8166, holotype: TAI-496951)

*Eucosia cordata* (Lindl.) T. C. Hsu [New Synonyms]

**SUETSUGU Kenji, HSU Tian-chuan.** Taxonomic Notes on the Genus *Eucosia* (Orchidaceae) in Japan and Taiwan. *Phytotaxa* [J] 520(2): 215-224. [E] 2021: [218]. doi: 10.11646/phytotaxa.520.2.9

**TYPE:** J. Macrae s.n. (holotype: K-000364601)

**CHINA** (Taiwan); **JAPAN, SRI LANKA**\*

**Evidence:** morphology

**S:** *Goodyera ogatae* Yamam.; *Goodyera viridiflora* (Blume) Blume var. *ogatae* (Yamam.) T.S.Liu & H.J.Su (M. Ogata s.n., holotype: TI-00082034); *Goodyera subuniflora* Ohwi (Y. Taira s.n., holotype: KYO-00092541)

*Eucosia longirostrata* (Hayata) T. C. Hsu [New Synonyms]

**SUETSUGU Kenji, HSU Tian-chuan.** Taxonomic Notes on the Genus *Eucosia* (Orchidaceae) in Japan and Taiwan. *Phytotaxa* [J] 520(2): 215-224. [E] 2021: [221]. doi: 10.11646/phytotaxa.520.2.9

**TYPE:** T. Kawakami & S. Sasaki s.n. (holotype: TI-00082033)

**CHINA** (Hong Kong, Taiwan\*)

**Evidence:** morphology

**S:** *Goodyera seikoomontana* Yamam.; *Goodyera viridiflora* (Blume) Blume var. *seikoomontana* (Yamam.) S. S. Ying; *Eucosia seikoomontana* (Yamam.) M. C. Pace (Yamamoto s.n., holotype: TAI-118722); *Goodyera youngsayei* S. Y. Hu & Barretto (G. Barretto 107, holotype: K-000942761; isotype: AMES-00074539)

*Gastrochilus minimus* Jian W. Li, D. P. Ye & X. H. Jin 小盆距兰 [New Species]

**LI Jian-wu, YA Ji-dong, YE De-ping, LIU Cheng, LIU Qiang, PAN Rui, HE Zai-xing, PAN Bo, CAI Jie, LIN Dong-liang, JIN Xiao-hua.** Taxonomy Notes on Vandeeae (Orchidaceae) from China: Five New Species and Two New Records. *Plant Diversity* [J] 43(5): 379-389. [E] 2021: [381]. doi: 10.1016/j.pld.2021.01.009

**TYPE:** D.P. Ye s.n. (holotype: HITBC; isotype: HITBC)

**CHINA** (Yunnan\*)

**IUCN:** CR; **Evidence:** morphology; nrITS, matK

*Gastrochilus yei* Jian W. Li & X. H. Jin 叶氏盆距兰 [New Species]

**LI Jian-wu, YA Ji-dong, YE De-ping, LIU Cheng, LIU Qiang, PAN Rui, HE Zai-xing, PAN Bo, CAI Jie, LIN Dong-liang, JIN Xiao-hua.** Taxonomy Notes on Vandeeae (Orchidaceae) from China: Five New Species and Two New Records. *Plant Diversity* [J] 43(5): 379-389. [E] 2021: [381]. doi: 10.1016/j.pld.2021.01.009

**TYPE:** J.W. Li 5464 (holotype: HITBC; isotype: HITBC)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology; nrITS, matK

*Gastrodia flexistyla* T. C. Hsu & C. M. Kuo 高山斑叶兰 [New Synonyms]

**LIN Tsan-piao.** New Addition and Observations of the Orchid Flora of Taiwan: Calanthe, Cheiostylus, Gastrodia, and Goodyera (Orchidaceae). *Taiwania* [J] 66(3): 353-359. [E] 2021: [357]. doi: 10.6165/tai.2021.66.326

**TYPE:** T. C. Hsu 1300 (holotype: TAI; isotype: TAI-440367)  
**CHINA** (Taiwan\*)

**Evidence:** morphology

**S:** *Gastrodia flexistylodes* Suetsugu (K. Suetsugu s.n., holotype: KYO; isotype: TNS)

*Gastrodia fontinalis* T. P. Lin 春天麻 [New Record]

**LI Jian-ling, WU Lei, QIN Ying, LIU Yan.** *Gastrodia fontinalis*, a Newly Recorded Species of *Gastrodia* to Mainland China. *Journal of Tropical and Subtropical Botany* [J] 29(4): 417-420. [C] 2021: [417]. doi: 10.11926/jtsb.4314

**CHINA** (Guangxi, Taiwan); JAPAN

**Evidence:** morphology

*Gastrodia longistyla* Q. Liu, J. D. Ya & X. H. Jin 长柱天麻 [New Species]

**LIU Qiang, YA Ji-dong, WU Xun-feng, SHAO Bing-yi, CHI Kuan-bo, ZHENG Hai-lei, LI Jian-wu, JIN Xiao-hua.** New Taxa of tribe Gastrodieae (Epidendroideae, Orchidaceae) from Yunnan, China and Its Conservation Implication. *Plant Diversity* [J] 43(5): 420-425. [E] 2021: [422]. doi: 10.1016/j.pld.2021.06.001

**TYPE:** Q. Liu 738 (holotype: HFTC)

**CHINA** (Yunnan\*)

**IUCN:** VU; **Evidence:** morphology; plastome

*Gastrodia qingyunshanensis* Jiu X. Huang, Han Xu & H. J. Yang 青云山天麻 [New Species]

**SHI Shi, YANG Hai-jun, WEI Xue-fen, LIANG Qian-yu, YANG Xin-dong, ZENG Xian-xing, XIE Chong-lin, CHEN Liu-bao, HUANG Qing-hua, ZENG Guo-hong, JIANG Zhu-rong, XU Han, HUANG Jiu-xiang.** *Gastrodia qingyunshanensis* (Orchidaceae: Epidendroideae)—a New Holomycotrophic Orchid from Guangdong, China. *Phytotaxa* [J] 483(2): 177-182. [E] 2021: [180]. doi: 10.11646/phytotaxa.483.2.10

**TYPE:** H. J. Yang & J. X. Huang QYS20190321015 (holotype: CANT; isotype: CANT)

**CHINA** (Guangdong\*)

**IUCN:** VU; **Evidence:** morphology

*Goodyera chinensis* Rolfe ex Hemsl. var. *takeoi* (Hayata) T. P. Lin 全唇指柱兰 [New Combination]

**LIN Tsan-piao.** New Addition and Observations of the Orchid Flora of Taiwan: Calanthe, Cheiostylus, Gastrodia, and Goodyera (Orchidaceae). *Taiwania* [J] 66(3): 353-359. [E] 2021: [356]. doi: 10.6165/tai.2021.66.326

**TYPE:** Takeo Ito s.n. (type: TI-T00906)

**CHINA** (Taiwan\*)

**Evidence:** morphology

**B:** *Arisanorchis takeoi* Hayata

*Goodyera maculata* T. P. Lin 高山斑叶兰 [New Species]

**LIN Tsan-piao.** New Addition and Observations of the Orchid Flora of Taiwan: Calanthe, Cheiostylus, Gastrodia, and Goodyera (Orchidaceae). *Taiwania* [J] 66(3): 353-359. [E] 2021: [353]. doi: 10.6165/tai.2021.66.326

**TYPE:** P. N. Shen s.n. (type: TAI-288180)

**CHINA** (Taiwan\*)

**Evidence:** morphology

*Goodyera schlechtendaliana* Rchb. f. 斑叶兰 [New Synonyms]

**LIN Tsan-piao.** New Addition and Observations of the Orchid Flora of Taiwan: Calanthe, Cheiostylus, Gastrodia, and Goodyera (Orchidaceae). *Taiwania* [J] 66(3): 353-359. [E] 2021: [355]. doi: 10.6165/tai.2021.66.326

**TYPE:** Göring s.n. (type: W)

**CHINA** (Guangdong, Taiwan); JAPAN\*

**Evidence:** morphology

**S:** *Goodyera kwangtungensis* C. L. Tso (N. K. Chun 42963, type: IBSC-0005433)

*Goodyera similis* Blume var. *similoides* T. P. Lin 叶氏斑叶兰 [New Variety]

**LIN Tsan-piao.** New Additions of *Crepidium*, *Goodyera*, and *Platanthera* (Orchidaceae) to the Orchid Flora of Taiwan. *Taiwania* [J] 66(1): 11-19. [E] 2021: [11]. doi: 10.6165/tai.2021.66.11

**TYPE:** Michelle M.S. Yeh s.n. (type: TAI-289813)

**CHINA** (Taiwan\*)

**Evidence:** morphology

*Habenaria aitchisonii* Rchb. f. [New Synonyms]

**PANDEY Tirtha Raj, JIN Xiao-hua.** Taxonomic Revision of *Habenaria josephi* Group (sect. *Diphyllae* s.l.) in the Pan-Himalaya. *PhytoKeys* [J] 175: 109-135. [E] 2021: [123]. doi: 10.3897/phytokeys.175.59849

**TYPE:** Aitchison 413 (holotype: K-000247484; isotype: AMES-00256482)

**CHINA** (Sichuan, Xizang, Yunnan); BHUTAN, INDIA, NEPAL, PAKISTAN\*

**Evidence:** morphology

**S:** *Habenaria wolongensis* K. Y. Lang (K. Y. Lang, L. Q. Li & Y. Fei 1528 lectotype: PE-01147127; isolectotype: PE-01147128)

*Habenaria balfouriana* Schltr. [Typification]

**PANDEY Tirtha Raj, JIN Xiao-hua.** Taxonomic Revision of *Habenaria josephi* Group (sect. *Diphyllae* s.l.) in the Pan-Himalaya. *PhytoKeys* [J] 175: 109-135. [E] 2021: [126]. doi: 10.3897/phytokeys.175.59849

**TYPE:** G. Forrest 6149 (lectotype: E-00381989; isolectotype: PE-00340644, IBSC-0636129, K-000796932, P-00370551)

**CHINA** (Sichuan, Yunnan\*)

**Evidence:** morphology

*Habenaria clarkei* Kraenzl. [Typification]

**PANDEY Tirtha Raj, JIN Xiao-hua.** Taxonomic Revision of *Habenaria josephi* Group (sect. *Diphyllae* s.l.) in the Pan-Himalaya. *PhytoKeys* [J] 175: 109-135. [E] 2021: [115]. doi: 10.3897/phytokeys.175.59849

**TYPE:** J. D. Hooker 42 (lectotype: K-000247480; isolectotype: K, AMES-00256484, P, LE)

**CHINA** (Yunnan); INDIA\*

**Evidence:** morphology

*Habenaria delavayi* Finet [Typification]

**PANDEY Tirtha Raj, JIN Xiao-hua.** Taxonomic Notes and Typification of Some *Habenaria* Species in the Pan-Himalaya. *Phytotaxa* [J] 489(1): 107-108. [E] 2021: [107]. doi: 10.11646/phytotaxa.489.1.10

**TYPE:** Delavay 4560 (lectotype: P-00405972; isolectotype: P-00405970, P-00405971); Delavay s.n. (syntype: P-00405973); Delavay 1688 (syntypes: P-00405974, P-00405975); Ducloux 310 (syntypes: P-00426060, P-00426059, K-000796936, LE-01012224)

**CHINA** (Yunnan\*)

**Evidence:** morphology

***Habenaria fargesii* Finet [Typification]**

**PANDEY Tirtha Raj, JIN Xiao-hua.** Taxonomic Revision of *Habenaria josephi* Group (sect. *Diphyllae* s.l.) in the Pan-Himalaya. *PhytoKeys* [J] 175: 109-135. [E] 2021: [120]. doi: 10.3897/phytokeys.175.59849

**TYPE:** Farges 1279 (lectotype: P-00426411)

**CHINA** (Sichuan\*)

**Evidence:** morphology

***Habenaria finetiana* Schltr. [Typification]**

**PANDEY Tirtha Raj, JIN Xiao-hua.** Taxonomic Notes and Typification of Some *Habenaria* Species in the Pan-Himalaya. *Phytotaxa* [J] 489(1): 107-108. [E] 2021: [107]. doi: 10.11646/phytotaxa.489.1.10

**TYPE:** Delavay 385 (lectotype: P-00426260; isolectotype: P-00426259); Prince H. d'Orleans s.n. (syntype: P-00426258)

**CHINA** (Yunnan\*)

**Evidence:** morphology

***Habenaria glaucifolia* Bureau & Franch. [Typification]**

**PANDEY Tirtha Raj, JIN Xiao-hua.** Taxonomic Revision of *Habenaria josephi* Group (sect. *Diphyllae* s.l.) in the Pan-Himalaya. *PhytoKeys* [J] 175: 109-135. [E] 2021: [120]. doi: 10.3897/phytokeys.175.59849

**TYPE:** Prince Henry D'Orleans s.n. (lectotype: P-00426784)

**CHINA** (Sichuan\*)

**Evidence:** morphology

***Habenaria tibetica* Schltr. [Typification]**

**PANDEY Tirtha Raj, JIN Xiao-hua.** Taxonomic Revision of *Habenaria josephi* Group (sect. *Diphyllae* s.l.) in the Pan-Himalaya. *PhytoKeys* [J] 175: 109-135. [E] 2021: [130]. doi: 10.3897/phytokeys.175.59849

**TYPE:** X. L. Jiang 36260 (neotype: PE-00340847)

**CHINA** (Sichuan\*)

**Evidence:** morphology

***Habenaria wolongensis* K. Y. Lang [Typification]**

**PANDEY Tirtha Raj, JIN Xiao-hua.** Taxonomic Notes and Typification of Some *Habenaria* Species in the Pan-Himalaya. *Phytotaxa* [J] 489(1): 107-108. [E] 2021: [108]. doi: 10.11646/phytotaxa.489.1.10

**TYPE:** K. Y. Lang, L. Q. Li & Y. Fei 1528 (lectotype: PE-01147127; isolectotype: PE-1147128)

**CHINA** (Sichuan\*)

**Evidence:** morphology

***Hemimium lijiangense* J. D. Ya & C. Liu 丽江角盘兰 [New Species]**

**LIN Dong-liang, YA Ji-dong, SCHUITEMAN André, MA Chong-bo, LIU Cheng, GUO Xue-Lian, CHEN Shi-si, WANG Xi-long, ZHANG Zhi-rong, YU Wen-bin, JIN Xiao-hua.,** Four New Species and a New Record of Orchidinae (Orchidaceae:

Orchideae) from China. *Plant Diversity* [J] 43(5): 390-400. [E] 2021: [394]. doi: 10.1016/j.pld.2021.05.003

**TYPE:** C. Liu, J. D. Ya, S. J. Min 18CS17414 (holotype: KUN; isotype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology; nrITS, Xdh, matK, psaB, psbA-trnH, rbcL, trnL-F

***Liparis aureolabella* J. D. Ya & Z. D. Han 紫脉羊耳蒜 [New Species]**

**YA Ji-dong, LIN Dong-liang, HAN Zhou-dong, CAI Lei, ZHANG Zhi-rong, HE De-Ming, JIN Xiao-hua, YU Wen-bin.** Three New Species of *Liparis* s.l. (Orchidaceae: Malaxideae) from Southwest China Based on Morphological Characters and Phylogenetic Evidence. *Plant Diversity* [J] 43(5): 401-408. [E] 2021: [404]. doi: 10.1016/j.pld.2021.01.006

**TYPE:** J. D. Ya & Z. D. Han 18HT1878 (holotype: KUN); J. D. Ya, D. M. He, M. J. Feng & M. Q. Han 20CS19138 (paratype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology; nrITS, matK

***Liparis bingzhongluoensis* X. H. Jin 丙中洛羊耳蒜 [New Species]**

**YA Ji-dong, LIN Dong-liang, HAN Zhou-dong, CAI Lei, ZHANG Zhi-rong, HE De-Ming, JIN Xiao-hua, YU Wen-bin.** Three New Species of *Liparis* s.l. (Orchidaceae: Malaxideae) from Southwest China Based on Morphological Characters and Phylogenetic Evidence. *Plant Diversity* [J] 43(5): 401-408. [E] 2021: [407]. doi: 10.1016/j.pld.2021.01.006

**TYPE:** X. H. Jin 31205 (holotype: PE; isotype: PE); X. H. Jin PT-2221 (paratype: PE)

**CHINA** (Yunnan\*)

**Evidence:** morphology; nrITS, matK

***Liparis mengziensis* J. D. Ya & Lei Cai 蒙自羊耳蒜 [New Species]**

**YA Ji-dong, LIN Dong-liang, HAN Zhou-dong, CAI Lei, ZHANG Zhi-rong, HE De-Ming, JIN Xiao-hua, YU Wen-bin.** Three New Species of *Liparis* s.l. (Orchidaceae: Malaxideae) from Southwest China Based on Morphological Characters and Phylogenetic Evidence. *Plant Diversity* [J] 43(5): 401-408. [E] 2021: [406]. doi: 10.1016/j.pld.2021.01.006

**TYPE:** J. D. Ya & Lei Cai 18HT1992 (holotype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology; nrITS, matK

***Liparis petraea* Aver. & Averyanov 岩生羊耳蒜 [New Record]**

**NONG Su-yun, XIE Gao, TAN Wei-ning, LIU Yan.** *Liparis petraea*, a Newly Recorded Species of *Liparis* Rich (Orchidaceae) from China and Its Unique Bulbil Propagation Mode. *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(7): 1248-1253. [C] 2021: [1249]. doi: 10.7606/j.issn.1000-4025.2021.07.1248

**TYPE:** L. Averyanov, N. T. Hiep, P. V. The, N. T. Vinh HAL 4979 (holotype: HN; isotype: LE)

**CHINA** (Guangxi); VIETNAM\*

**Evidence:** morphology

***Luisia inconspicua* (Hook. f.) King & Pantl 兜唇钗子股 [New Record]**

**LI Jian-wu, YA Ji-dong, YE De-ping, LIU Cheng, LIU Qiang, PAN Rui, HE Zai-xing, PAN Bo, CAI Jie, LIN Dong-liang,**

**JIN Xiao-hua.** Taxonomy Notes on Vandaeae (Orchidaceae) from China: Five New Species and Two New Records. *Plant Diversity* [J] 43(5): 379-389. [E] 2021: [386]. doi: 10.1016/j.pld.2021.01.009  
**CHINA** (Yunnan); **BHUTAN, INDIA, NEPAL**  
**Evidence:** morphology; nrITS, matK

*Luisia simaoensis* D. P. Ye & H. Jiang 裂唇钗子股 [New Species]

**LI Jian-wu, YA Ji-dong, YE De-ping, LIU Cheng, LIU Qiang, PAN Rui, HE Zai-xing, PAN Bo, CAI Jie, LIN Dong-liang, JIN Xiao-hua.** Taxonomy Notes on Vandaeae (Orchidaceae) from China: Five New Species and Two New Records. *Plant Diversity* [J] 43(5): 379-389. [E] 2021: [384]. doi: 10.1016/j.pld.2021.01.009

**TYPE:** J. W. Li 897 (holotype: HITBC; isotype: HITBC); D. P. Ye 1923 (paratype: HITBC, PE)  
**CHINA** (Yunnan\*)  
**IUCN:** DD; **Evidence:** morphology; nrITS, matK

*Myrmecis lingulata* J. D. Ya, Ting Zhang & C. Liu 九寨沟全唇兰 [New Species]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [364]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** Ting Zhang & al. 19CS18360 (holotype: KUN; isotype: KUN)  
**CHINA** (Sichuan\*)  
**Evidence:** morphology

*Myrmecis longii* J. D. Ya 美脉全唇兰 [New Species]

**YA Ji-dong, ZHANG Ting, PANDEY Tirtha Raj, LIU Cheng, HAN Zhou-dong, YE De-ping, HE De-ming, LIU Qiang, YANG Lan, HUANG Li, ZHANG Rong-zhen, JIANG Hong, CAI Jie.** New Contributions to Goodyerinae and Dendrobiinae (Orchidaceae) in the flora of China. *Plant Diversity* [J] 43(5): 362-378. [E] 2021: [365]. doi: 10.1016/j.pld.2021.05.006

**TYPE:** J. D. Ya, M. -F. Long, M. J. Feng & M. Q. Han 20CS19132 (holotype: KUN; isotype: KUN)  
**CHINA** (Yunnan\*)  
**Evidence:** morphology

*Neottia wuyishanensis* B. Hua Chen & X. H. Jin 武夷山对叶兰 [New Species]

**CHEN Bing-hua, JIN Xiao-hua.** *Neottia wuyishanensis* (Orchidaceae: Neottieae), a New Species from Fujian, China. *Plant Diversity* [J] 43(5): 426-431. [E] 2021: [427]. doi: 10.1016/j.pld.2021.01.008

**TYPE:** B. H. Chen 04012 (holotype: FNU-0040736; isotype: FNU-0039789)  
**CHINA** (Fujian\*)  
**IUCN:** LC; **Evidence:** morphology; nrITS, rbcL, matK

*Nervilia taitoensis* (Hayata) Schltr. 单花脉叶兰 [New Synonyms]

**LIN Tsan-piao.** New Additions of Crepidium, Goodyera, and Platanthera (Orchidaceae) to the Orchid Flora of Taiwan. *Taiwania* [J] 66(1): 11-19. [E] 2021: [19]. doi: 10.6165/tai.2021.66.11

**TYPE:** T. Kawakami s.n. (type: TI-T01158)

**CHINA** (Taiwan\*)

**Evidence:** morphology

**S:** *Nervilia taiwaniana* S. S. Ying (S. S. Ying 1915, holotype: NTUF); *Nervilia tahanshanensis* T. P. Lin & W. M. Lin (W. M. Lin s.n., holo type: TAI-269081)

*Odontochilus putaoensis* X. H. Jin, L. A. Ye & A. T. Mu 葡萄齿唇兰 [New Record]

**SUN M., JIN Y., HUANG J., KUMAR P., TIAN H. Z.** *Odontochilus putaoensis* (Orchidaceae), a New Record and Key to the Genus for China. *Rheedea* [J] 31(3): 200-205. [E] 2021: [201]. doi: 10.22244/rheedea.2021.31.03.11

**TYPE:** X.H. Jin & al. PTET959 (holotype: PE)

**CHINA** (Yunnan\*); **MYANMAR\***

**IUCN:** DD; **Evidence:** morphology

*Oreorchis bashanensis* Yong Wang tetrakis 巴山山兰 [New Species]

**WANG Yong.** *Oreorchis bashanensis* Wang Yong, a New Species of Orchidaceae from Shaanxi, China. *Bulletin of Botanical Research* [J] 41(2): 164-167. [C] 2021: [165]. doi: 10.7525/j.issn.1673-5102.2021.02.002

**TYPE:** Yong Wang 20190517008 (holotype: HZTC)

**CHINA** (Shaanxi\*)

**Evidence:** morphology

*Panisea panchaseensis* Subedi 林芝曲唇兰 [New Record]

**LI Meng-kai, CHEN Xue-da, XIA Chen-xi, XING Zhen, LUO Yan.** Two Newly Recorded Species (Orchidaceae) in China. *Guihaia* [J] 41(3): 482-486. [C] 2021: [485]. doi: 10.11931/guihaia.gxzw202008002

**TYPE:** A. Subedi 1780 (holotype: KATH; isotype: TUCH)

**CHINA** (Xizang); **INDIA, NEPAL\***

**IUCN:** VU; **Evidence:** morphology

*Paphiopedilum hirsutissimum* Pfitzer var. *guangnanense* Y. Y. Pan & W. H. Rao 广南兜兰 [New Variety]

[nom. inval.]

**PAN Yun-yun, CHEN Jian-bing, RAO Wen-hui.** "Paphiopedilum hirsutissimum var. guangnanense, a New Variety of Paphiopedilum from Yunnan". *Forest Science and Technology* [J] (4): 53-53. [C] 2021: [53]. doi: 10.13456/j.cnki.lykt.2020.04.26.0002

**CHINA** (Yunnan)

**Evidence:** morphology

*Paphiopedilum villosum* (Lindl.) Stein f. *wangliangii* O. Gruss & Z. D. Han [New Form]

**GRUSS Olaf, HAN Zhou-dong.** *Paphiopedilum villosum* var. *densissimum* Eine neue Farbform aus China. *Orchideenjournal (Göttingen)* [J] 28(1): 40-42. [D] 2021: [41].

**TYPE:** Z. D. Han HZD21001 (holotype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Peristylus fasciculatus* J. D. Ya, Schuit. & X. H. Jin 宿茎阔蕊兰 [New Species]

**LIN Dong-liang, YA Ji-dong, SCHUITEMAN André, MA Chong-bo, LIU Cheng, GUO Xue-Lian, CHEN Shi-si, WANG Xi-long, ZHANG Zhi-rong, YU Wen-bin, JIN Xiao-hua.,** Four New Species and a New Record of Orchidinae (Orchidaceae):

Orchideae) from China. *Plant Diversity* [J] 43(5): 390-400. [E] 2021: [395]. doi: 10.1016/j.pld.2021.05.003

**TYPE:** J. D. Ya, W. Zhang, M. F. Long 19CS18575 (holotype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology; nrITS, Xdh, matK, psaB, psbA-trnH, rbcL, trnL-F

*Peristylus tenuicallus* Ormerod 细茎阔蕊兰 [New Record]

**LIN Dong-liang, YA Ji-dong, SCHUITEMAN André, MA Chong-bo, LIU Cheng, GUO Xue-Lian, CHEN Shi-si, WANG Xi-long, ZHANG Zhi-rong, YU Wen-bin, JIN Xiao-hua.** Four New Species and a New Record of Orchidinae (Orchidaceae: Orchideae) from China. *Plant Diversity* [J] 43(5): 390-400. [E] 2021: [396]. doi: 10.1016/j.pld.2021.05.003

**CHINA** (Yunnan); **VIETNAM\***

**Evidence:** morphology; nrITS, Xdh, matK, psaB, psbA-trnH, rbcL, trnL-F

*Phaius malipoensis* D. M. Kong & al. 麻栗坡鹤顶兰 [New Species]

[nom. inval.]

**KONG De-min, HUANG Jie, LI Li-qiang, WANG Mei-na, PAN Yun-yun, CHEN Jian-bing, TANG Feng-xia, RAO Wen-hui.** "Phaius malipoensis, a New Species of Ochidaceae form Yunnan". *Forest Science and Technology* [J] (7): 51-54. [C] 2021: [51]. doi: 10.13456/j.cnki.lykt.2020.06.30.0005

**CHINA** (Yunnan)

**Evidence:** morphology

*Pholidota advena* (Par. & Rchb. f.) Hook. f. 高褶石仙桃 [New Record]

**WU Qiu-ping, YE De-ping, WU Kun-lin, FANG Lin, ZENG Song-jun, LI Lin.** Pholidota advena (Par. & Rchb. f.) Hook. f., a Newly Recorded Species of Orchidaceae from China. *Journal of Tropical and Subtropical Botany* [J] 29(4): 406-408. [E] 2021: [406]. doi: 10.11926/jtsb.4367

**TYPE:** C. S. P. Parish 296 (holotype: K; isotype: W)

**CHINA** (Yunnan); **MYANMAR\***

**IUCN:** DD; **Evidence:** morphology

*Platanthera milinensis* X. H. Jin, Schuit. & C. B. Ma 米林舌唇兰 [New Species]

**LIN Dong-liang, YA Ji-dong, SCHUITEMAN André, MA Chong-bo, LIU Cheng, GUO Xue-Lian, CHEN Shi-si, WANG Xi-long, ZHANG Zhi-rong, YU Wen-bin, JIN Xiao-hua.** Four New Species and a New Record of Orchidinae (Orchidaceae: Orchideae) from China. *Plant Diversity* [J] 43(5): 390-400. [E] 2021: [397]. doi: 10.1016/j.pld.2021.05.003

**TYPE:** X. H. Jin, D. L. Lin & C. B. Ma 31596 (holotype: PE; isotype: PE)

**CHINA** (Xizang\*)

**Evidence:** morphology; nrITS, Xdh, matK, psaB, psbA-trnH, rbcL, trnL-F

*Platanthera quadricarata* T. P. Lin 圣陵粉蝶兰 [New Species]

**LIN Tsan-piao.** New Additions of Crepidium, Goodyera, and Platanthera (Orchidaceae) to the Orchid Flora of Taiwan. *Taiwania* [J] 66(1): 11-19. [E] 2021: [14]. doi: 10.6165/ta.2021.66.11

**TYPE:** K. C. Yueh s.n. (type: TAI-289769)

**CHINA** (Taiwan\*)

**Evidence:** morphology

*Pomatocalpa tonkinense* (Gagnep.) Seidenfaden. 纹瓣鹿角兰 [New Record]

**LIU Zhi-rong, QIN Ying, LIU Sheng-yuan, LIU Yan.** New Records of Pomatocalpa (Orchidaceae) from China. *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(11): 1971-1974. [C] 2021: [1971]. doi: 10.7606/j.issn.1000-4025.2021.11.1971

**TYPE:** Simond's drawing no. 97 (holotype: P)

**CHINA** (Guangxi); **LAOS, THAILAND, VIETNAM\***

**IUCN:** CR; **Evidence:** morphology

*Ponerorchis gongshanensis* X. H. Jin, Schuit. & D. L. Lin 贡山小红门兰 [New Species]

**LIN Dong-liang, YA Ji-dong, SCHUITEMAN André, MA Chong-bo, LIU Cheng, GUO Xue-Lian, CHEN Shi-si, WANG Xi-long, ZHANG Zhi-rong, YU Wen-bin, JIN Xiao-hua.** Four New Species and a New Record of Orchidinae (Orchidaceae: Orchideae) from China. *Plant Diversity* [J] 43(5): 390-400. [E] 2021: [398]. doi: 10.1016/j.pld.2021.05.003

**TYPE:** X.H. Jin & D.L. Lin 31207 (holotype: PE; isotype: PE)

**CHINA** (Yunnan\*)

**IUCN:** EN; **Evidence:** morphology; nrITS, Xdh, matK, psaB, psbA-trnH, rbcL, trnL-F

*Taeniophyllum xizangense* J. D. Ya & C. Liu 西藏带叶兰 [New Species]

**LI Jian-wu, YA Ji-dong, YE De-ping, LIU Cheng, LIU Qiang, PAN Rui, HE Zai-xing, PAN Bo, CAI Jie, LIN Dong-liang, JIN Xiao-hua.** Taxonomy Notes on Vandaeae (Orchidaceae) from China: Five New Species and Two New Records. *Plant Diversity* [J] 43(5): 379-389. [E] 2021: [384]. doi: 10.1016/j.pld.2021.01.009

**TYPE:** J. D. Ya & C. Liu s.n. (holotype: KUN)

**CHINA** (Xizang\*)

**IUCN:** DD; **Evidence:** morphology; nrITS, matK

*Thuniopsis subsessilis* (Rolfe) Ormerod, Kurzweil & Schuit. [New Combination]

**KURZWEIL H., ORMEROD P., SCHUITEMAN A.** The Long-lost Myanmar Endemic Arundina subsessilis (Orchidaceae) Found Congeneric with the Recently Described Chinese Thuniopsis cleistogama. *The Gardens' Bulletin Singapore* [J] 72(1): 97-107. [E] 2021: [104]. doi: 10.26492/gbs72(1).2020-09

**TYPE:** Sander & Sons s.n. (holotype: K)

**CHINA** (Yunnan); **MYANMAR\***

**Evidence:** morphology

**B:** *Arundina subsessilis* Rolfe

*Thuniopsis subsessilis* (Rolfe) Ormerod, Kurzweil & Schuit. [New Synonyms]

**KURZWEIL H., ORMEROD P., SCHUITEMAN A.** The Long-lost Myanmar Endemic Arundina subsessilis (Orchidaceae) Found Congeneric with the Recently Described Chinese Thuniopsis cleistogama. *The Gardens' Bulletin Singapore* [J] 72(1): 97-107. [E] 2021: [104]. doi: 10.26492/gbs72(1).2020-09

**TYPE:** Sander & Sons s.n. (holotype: K)

**CHINA** (Yunnan); **MYANMAR\***

**Evidence:** morphology

**S:** *Thuniopsis cleistogama* L. Li, D. P. Ye & Shi J. Li (L. Li 19, holotype: IBSC)

***Tuberolabium subulatum*** Jian W. Li & X. H. Jin 勐腊管唇兰 [New Species]

**LI Jian-wu, YA Ji-dong, YE De-ping, LIU Cheng, LIU Qiang, PAN Rui, HE Zai-xing, PAN Bo, CAI Jie, LIN Dong-liang, JIN Xiao-hua.** Taxonomy Notes on Vandaeae (Orchidaceae) from China: Five New Species and Two New Records. *Plant Diversity* [J] 43(5): 379-389. [E] 2021: [380]. doi: 10.1016/j.pld.2021.01.009

**TYPE:** J.W. Li s.n. (holotype: HITBC)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology; nrITS, matK

#### Orobanchaceae 列当科

***Pedicularis pandania*** W. B. Yu, H. Q. Lin & Y. Hong Cheng 熊猫马先蒿 [New Species]

**LIN Hong-qiang, CHENG Yue-hong, LIU Rong, YIN Min, YU We-bin.** *Pedicularis pandania* (Orobanchaceae) a new species of *Pedicularis* from the Wolong National Nature Reserve, Sichuan Province, China. *Guihaia* [J] 41(12): 1949-1954. [C] 2021: [1951]. doi: 10.11931/guihaia.gxzw202103078

**TYPE:** H. Q. Lin & Y. H. Cheng 20200728257 (holotype: HITBC; isotype: HITBC, KUN)

**CHINA** (Sichuan\*)

**IUCN:** LC; **Evidence:** morphology

#### Oxalidaceae 酢浆草科

***Oxalis texana*** (Small) Fedde 得州酢浆草 [New Record]

**HUANG Ge-han, LI Xiao-chen.** A New Record of Naturalized Species and Taxonomic Classification of *Oxalis* L. in China. *Journal of Fujian Agriculture and Forestry University (Natural Science Edition)* [J] 50(4): 497-502. [C] 2021: [497]. doi: 10.13323/j.cnki.j.fafu(nat.sci.).2021.04.009

**CHINA** (Jiangsu, Shanghai, Zhejiang); UNITED STATES

**Evidence:** morphology

#### Papaveraceae 罂粟科

***Corydalis austroshaanxiensis*** D. Wang 陕南紫堇 [New Species]

**WANG Dong, HUANG Xiao-mei, XU Xiao-dong, WANG Liang.** *Corydalis austroshaanxiensis* sp. nov. (Papaveraceae), a Neglected species from Shaanxi, China, and a Revised Circumscription for *C. pseudoincisa*. *Nordic Journal of Botany* [J] 39(e03272): 1-7. [E] 2021: [2]. doi: 10.1111/njb.03272

**TYPE:** D. Wang & al. 170036 (holotype: CCNU); D. Wang & al. 170038 (paratype: CCNU); Xing Ji-qing 3851 (paratype: SZ, WUK); Xing Ji-qing 3940 (paratype: SZ, WUK); Xing Ji-qing 5733 (paratype: SZ, WUK); Xing Ji-qing 5878 (SZ, WUK); D. Wang & al. 180061 (paratype: CCNU); D. Wang & al. 180062 (paratype: CCNU); D. Wang & al. 180063 (paratype: CCNU); D. Wang & al. 180064 (paratype: CCNU); D. Wang & al. 170041 (paratype: CCNU); D. Wang & al. 170043 (paratype: CCNU); D. Wang & al. 160208 (paratype: CCNU); D. Wang & al. 160211 (paratype: CCNU); D. Wang & al. 1304157 (paratype: CCNU); D. Wang 160200 (paratype: CCNU); D. Wang & al. 1304008 (paratype: CCNU); D. Wang & al. 160147 (paratype: CCNU); D. Wang & al. 160149 (paratype: CCNU); D. Wang & al. 200040 (paratype: CCNU); D. Wang & al. 200023 (paratype: CCNU); D. Wang & al. 200024 (paratype: CCNU)

**CHINA** (Shaanxi\*)

**IUCN:** LC; **Evidence:** morphology

***Corydalis decumbens*** (Thunb.) Pers. 伏生紫堇 [New Synonyms]

**LI Gen-you, XIE Wen-yuan, CHEN Feng, ZHANG Fen-yao, CHEN Gao-kun, CHEN Zheng-hai.** Notes on the Seed Plant Flora of Zhejiang (XI). *Journal of Zhejiang Forestry Science and Technology* [J] 41(4): 77-81. [C] 2021: [79]. doi: 10.3969/j.issn.1001-3776.2021.04.012

**CHINA** (Anhui)

**Evidence:** morphology

**S:** *Corydalis huangshanensis* L. Q. Huang & H. S. Peng (H. S. Peng & M. E. Cheng 20160317001, holotype: ACM; isotype: ACM, PE)

***Corydalis decumbens*** (Thunb.) Pers. var. *zhujiensis* Z. H. Chen & G. Y. Li 狭叶伏生紫堇 [New Variety]

**LI Gen-you, XIE Wen-yuan, CHEN Feng, ZHANG Fen-yao, CHEN Gao-kun, CHEN Zheng-hai.** Notes on the Seed Plant Flora of Zhejiang (XI). *Journal of Zhejiang Forestry Science and Technology* [J] 41(4): 77-81. [C] 2021: [80]. doi: 10.3969/j.issn.1001-3776.2021.04.012

**TYPE:** G. K. Chen, G. Y. Li & Z. H. Chen ZJ21030601 (holotype: ZM; isotype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

***Corydalis nanchuanensis*** S. R. Yi 南川紫堇 [New Species]

**ZHANG Bu-yun, XIAO Jin-fei, YI Si-rong.** *Corydalis nanchuanensis* (Papaveraceae), a New Species from Chongqing, China. *Phytotaxa* [J] 510(2): 163-170. [E] 2021: [164]. doi: 10.11646/phytotaxa.510.2.8

**TYPE:** S. R. Yi YSR 8126 (holotype: KUN; isotype: KUN, PE); S. R. Yi YSR 8004 (paratype: KUN, PE); YSR 8014 (paratype: KUN, PE); S. R. Yi YSR 8014 (paratype: KUN); S. R. Yi YSR 8423 (paratype: KUN); S. R. Yi YSR 8470 (paratype: KUN); Z. Y. Liu 0144-01 (paratype: IMC); Z. Y. Liu 0144-02 (paratype: IMC); Z. Y. Liu 0144-03 (paratype: IMC); Z. Y. Liu 0144-04 (paratype: IMC); Z. Y. Liu 0144-05 (paratype: IMC); S. X. Tan, Z. L. Li & J. L. Zhang 3084 (paratype: IMC); Z. Y. Liu 973488-01 (paratype: IMC); Z. Y. Liu 973488-02 (paratype: IMC); Z. Y. Liu 973488-03 (paratype: IMC); Z. Y. Liu 973480 (paratype: IMC)

**CHINA** (Guangxi\*)

**Evidence:** morphology

***Corydalis nodosa*** Mikhailova [New Species]

**MIKHAILOVA M. A.** New Species of *Corydalis* (Fumariaceae) from Xinjiang (China). *Novitates Systematicae Plantarum Vascularium* [J] 52: 57-61. [R] 2021: [57]. doi: 10.31111/novitates/2021.52.57

**TYPE:** M. A. Mikhailova & A. V. Sochivko s.n. (holotype: LE-01081614; isotype: LE-01081615, LE-01081617)

**CHINA** (Xinjiang\*)

**Evidence:** morphology

***Meconopsis autumnalis*** P. A. Egan 秋花绿绒蒿 [New Record]

**ZHOU Hai-yi, ZHANG Xu, XU Chang-long, XU Bo.** New Discovery of the Genus *Meconopsis* in China. *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(10): 1781-1784. [C] 2021: [1782]. doi: 10.7606/j.issn.1000-4025.2021.10.1781

**CHINA** (Xizang); NEPAL

**Evidence:** morphology



**Meconopsis bella** Prain 美花绿绒蒿 [New Record]

ZHOU Hai-yi, ZHANG Xu, XU Chang-long, XU Bo. New Discovery of the Genus *Meconopsis* in China. *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(10): 1781-1784. [C] 2021: [1782]. doi: 10.7606/j.issn.1000-4025.2021.10.1781

CHINA (Xizang); BHUTAN, INDIA, NEPAL

Evidence: morphology

**Meconopsis georgei** G. Taylor 黄花绿绒蒿 [Rediscovery]

FANG Zhen-dong, WU Chong-san, LI Cong, HE Xu. The Discovery and Textual Research of *Meconopsis georgei*. *Journal of West China Forestry Science* [J] 50(5): 120-128. [C] 2021: [123]. doi: 10.16473/j.cnki.xblykx1972.2021.05.017

TYPE: G. Forrest 30100

CHINA (Yunnan)

Evidence: morphology

**Meconopsis polygonoides** (Prain) Prain 心叶绿绒蒿 [New Record]

ZHOU Hai-yi, ZHANG Xu, XU Chang-long, XU Bo. New Discovery of the Genus *Meconopsis* in China. *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(10): 1781-1784. [C] 2021: [1783]. doi: 10.7606/j.issn.1000-4025.2021.10.1781

CHINA (Xizang); BHUTAN

Evidence: morphology

**Phrymaceae** 透骨草科

**Mimulicalyx rosulatus** P. C. Tsoong [New Synonyms]

ZHAO Fei, MIN Dao-zhang, XIANG Chun-lei, CHEN Bin, ZHOU Xin-xin, LIU Bing, LI Bo. Morphological Evidence for the Conspecific Status of the Rediscovered *Mimulicalyx rosulatus* and *M. paludigenus*. *Phytotaxa* [J] 520(1): 106-112. [E] 2021: [109]. doi: 10.11646/phytotaxa.520.1.8

TYPE: T. N. Liou 18265 (holotype: PE-0031326; isotype: IBSC-0004765, IBSC-0004766)

CHINA (Yunnan\*)

Evidence: morphology

S: *Mimulicalyx paludigenus* P. C. Tsoong (C. W. Wang 81476, holotype: PE-00031416; isotype: IBSC-0573074)

**Phyllanthaceae** 叶下珠科

**Leptopus malipoensis** Wen Hua Zhang & Gang Yao 麻栗坡雀舌木 [New Species]

ZHANG Wen-hua, ZHU Xin-xin, XUE Bin-e, LIU En-de, LI Yu-ling, YAO Gang. Molecular and Morphological Evidence for a New Species of *Leptopus* (Phyllanthaceae) from Southeast Yunnan, China. *PeerJ* [J] 9(e11989): 1-15. [E] 2021: [9]. doi: 10.7717/peerj.11989

TYPE: G. Yao YGYN2020071501 (holotype: IBSC; isotype: KUN, CANT); Z. D. Wei & al. LiuED8755 (paratype: KUN)

CHINA (Yunnan\*)

Evidence: morphology; nrITS, matK

**Phyllanthodendron petraeum** P. T. Li 岩生珠子木 [New Synonyms]

YAO Gang, HUANG Bao-you, DAI Bi-qi, LIAN Kai-ming, LUO Shi-xiao. A New Synonym in Genus *Phyllanthodendron* Hemsl. (Phyllanthaceae). *Journal of Tropical and Subtropical Botany* [J] 29(3): 317-322. [E] 2021: [318]. doi: 10.11926/jtsb.4286

TYPE: Y. K. Li 104 (holotype: IBSC)

CHINA (Guangxi\*)

Evidence: morphology

S: *Phyllanthus orbicularifolius* Govaerts & Radcl.-Sm. (P. C. Tam 57334, holotype: IBSC)

**Phytolaccaceae** 商陆科

**Phytolacca americana** L. 美洲商陆 [New Synonyms]

CHI Fang-he, LIU Xi, ZHANG Feng-yao, PU Jin-bao, CHEN Jian-bo, CHEN Zheng-hai. Notes on the Seed Plant Flora of Zhejiang (X). *Journal of Zhejiang Forestry Science and Technology* [J] 41(3): 79-84. [C] 2021: [82]. doi: 10.3969/j.issn.1001-3776.2021.03.012

TYPE: G. Clifford s.n. (lectotype: BM-000628580)

CHINA (Jiangsu); NETHERLAND\*

Evidence: morphology

S: *Phytolacca americana* L. var. *huadongensis* X. H. Li (X. H. Li 181007, holotype: NAU)

**Phytolacca icosandra** L. 二十蕊商陆 [New Record]

XI Hui-hui, WU Li-xin, FENG Jing-qiu, YIN Gen-shen. A New Record of Naturalized Species in Mainland China: *Phytolacca icosandra* L. *Ecology and Environmental Sciences* [J] 30(8): 1555-1560. [C] 2021: [1555]. doi: 10.16258/j.cnki.1674-5906.2021.08.001

TYPE: s.coll s.n. (lectotype: LINN-HL607-4)

CHINA (Yunnan, Taiwan); [AMERICA]

Evidence: morphology

**Pittosporaceae** 海桐科

**Pittosporum brachypodum** G. Y. Li, Z. H. Chen & Xiu P. Li 短梗海金子 [New Species]

LI Gen-you, LI Xiu-peng, CHEN Zheng-hai, MA Dan-dan, LIN Hai-lun. New Taxa of Seed Plants from Ningbo, Zhejiang Province. *Botanical Research in Ningbo* [B]: 340-345. [C] 2021: [341].

TYPE: G. Y. Li NH20130384 (holotype: ZJFC)

CHINA (Zhejiang\*)

Evidence: morphology

**Pittosporum maoshanense** Z. H. Chen, G. Y. Li & X. F. Jin 昂山海桐 [New Species]

CHEN Zheng-hai, WU Xiao-yuan, CHEN Feng, XIE Wen-yuan, JIN Xiao-feng. *Pittosporum maoshanense* (Pittosporaceae), a New Species from Eastern China. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(3): 257-260. [C] 2021: [257]. doi: 10.19926/j.cnki.issn.1674-232X.2021.03.006

TYPE: L. M. Ji, G. Y. Li & Z. H. Chen LQ13061205 (holotype: ZM; isotype: ZM)

CHINA (Zhejiang\*)

Evidence: morphology

**Poaceae** 禾本科

**Ampelocalamus sinovietnamensis** Y. H. Tong, Z. G. Xu, J. B. Ni & N. H. Xia [New Species]

TONG Yi-hua, XU Zhen-guo, NI Jing-bo, ZENG Si-jin, XIA Nian-he. *Ampelocalamus sinovietnamensis* (Poaceae: Bambusoideae), a New Species from the Border of China and Vietnam. *Nordic Journal of Botany* [J] 39(e03070): 1-7. [E] 2021: [5]. doi: 10.1111/njb.03070

TYPE: N. H. Xia & al. BH-84 (holotype: IBSC.; isotype: GXFI); Z. G. Xu 0904 (paratype: GXFI); S. J. Zeng & J. B. Ni SJ4724 (paratype: IBSC)

**CHINA** (Guangxi\*)

**IUCN:** LC; **Evidence:** morphology; plastid genome

*Andropogon virginicus* L. 弗吉尼亚须芒草 [New Record]

**ZHANG Xie-yong, SUN Guo-feng, CHEN Wen-li.** Notes on the Family Poaceae in China (I). *Journal of Tropical and Subtropical Botany* [J] 29(1): 91-95. [C] 2021: [93]. doi: 10.11926/jtsb.4248

**TYPE:** Linn. No. 1211.12 (lectotype: LINN)

**CHINA** (Jiangxi, Zhejiang); **UNITED STATES\***

**Evidence:** morphology

*Anthoxanthum flexuosum* (Hook. f.) Veldkamp 曲序黄花茅 [New Record]

**ZHANG Xie-yong, SUN Guo-feng, CHEN Wen-li.** Notes on the Family Poaceae in China (I). *Journal of Tropical and Subtropical Botany* [J] 29(1): 91-95. [C] 2021: [91]. doi: 10.11926/jtsb.4248

**TYPE:** King's collector s.n. (holotype: K)

**CHINA** (Xizang); **BHUTAN, INDIA\***

**Evidence:** morphology

*Arundinella tengchongensis* (B. S. Sun & Z. H. Hu ex S. L. Chen)

L. Q. Jiang & H. Peng 腾冲野古草 [New Combination]

**JIANG Li-qiong, PENG Hua, WANG Yue-hua.** *Arundinella tengchongensis* (Poaceae), a Name at New Rank and Newly Combined Based on Morphological and Molecular Data. *Nordic Journal of Botany* [J] 39(e03267): 1-12. [E] 2021: [9]. doi: 10.1111/njb.03267

**TYPE::** L. Q. Jiang & Y. Y. Li jlq298 (neotype: KUN-1511686; isoneotype: IBSC, K, KUN, PE)

**CHINA** (Yunnan:(T))

**Evidence:** morphology; nrITS, matK, trnL-F

**B:** *Arundinella setosa* Trin. var. *tengchongensis* B. S. Sun & Z. H. Hu ex S. L. Chen

*Arundinella tengchongensis* (B. S. Sun & Z. H. Hu ex S. L. Chen)

L. Q. Jiang & H. Peng 腾冲野古草 [Typification]

**JIANG Li-qiong, PENG Hua, WANG Yue-hua.** *Arundinella tengchongensis* (Poaceae), a Name at New Rank and Newly Combined Based on Morphological and Molecular Data. *Nordic Journal of Botany* [J] 39(e03267): 1-12. [E] 2021: [9]. doi: 10.1111/njb.03267

**TYPE::** L. Q. Jiang & Y. Y. Li jlq298 (neotype: KUN-1511686; isoneotype: IBSC, K, KUN, PE)

**CHINA** (Yunnan:(T))

**Evidence:** morphology; nrITS, matK, trnL-F

*Bambusa daporijoana* H. B. Naithani & Kandwal [New Species]

**NAITHANI H. B., KANDWAL Manish K.** *Bambusa daporijoana*-A New Species of Bamboo from Arunachal Pradesh, India. *Indian Forester* [J] 147(7): 687-688. [E] 2021: [687]. doi: 10.36808/if/2021/v147i7/164264

**TYPE:** Naithani ser. II 1416 (holotype: DD); Naithani ser. II 51316 (paratype: DD)

**CHINA** (Xizang\*); **INDIA**

**Evidence:** morphology

*Bambusa suijiangensis* J. B. Ni, Z. Y. Niu & Y. H. Tong 绥江青竹 [New Species]

**NI Jing-bo, NIU Zheng-yang, ZHENG Xi-rong, WU Guang-min, TONG Yi-hua.** *Bambusa suijiangensis*, a New Species of

*Bambusa* from Guangdong, China. *Journal of Bamboo Research* [J] 40(1): 11-15. [C] 2021: [12]. doi: 10.19560/j.cnki.issn1000-6567.2021.01.003

**TYPE:** N. H. Xia, J. B. Ni & X. R. Zheng B2017009 (holotype: IBSC); J. B. Ni NJB001 (paratype: IBSC) ; Huaiji Exped. 441224181012018LY (paratype: IBSC)

**CHINA** (Guangdong\*)

**Evidence:** morphology

*Borinda acuticontracta* (T. P. Yi) Stapleton [New Combination]  
**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia acuticontracta* T. P. Yi

*Borinda adpressa* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Sichuan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia adpressa* T. P. Yi

*Borinda altior* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia altior* T. P. Yi

*Borinda communis* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia communis* T. P. Yi

*Borinda declivis* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia declivis* T. P. Yi

*Borinda dura* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia dura* T. P. Yi

***Borinda elegans*** (T. P. Yi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Sichuan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia elegans* T. P. Yi

***Borinda emaculata*** (T. P. Yi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Sichuan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia emaculata* T. P. Yi

***Borinda erecta*** (T. P. Yi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Sichuan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia erecta* T. P. Yi

***Borinda ferax*** (Keng) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Sichuan)  
**Evidence:** morphology; ddRAD  
**B:** *Arundinaria ferax* Keng

***Borinda hygrophila*** (Hsueh & T. P. Yi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Yunnan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia hygrophila* Hsueh & T. P. Yi

***Borinda jiulongensis*** (T. P. Yi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Sichuan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia jiulongensis* T. P. Yi

***Borinda mairei*** (Hack. ex Hand.-Mazz.) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Yunnan)  
**Evidence:** morphology; ddRAD  
**B:** *Arundinaria mairei* Hack. ex Hand.-Mazz.

***Borinda muliensis*** (T. P. Yi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Sichuan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia muliensis* T. P. Yi

***Borinda nivalis*** (T. P. Yi & J. Y. Shi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Yunnan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia nivalis* T. P. Yi & J. Y. Shi

***Borinda pleniculmis*** (Hand.-Mazz.) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [7].

**CHINA** (Yunnan)  
**Evidence:** morphology; ddRAD  
**B:** *Arundinaria pleniculmis* Hand.-Mazz.

***Borinda praecipua*** (T. P. Yi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia praecipua* T. P. Yi

***Borinda sagittatinea*** (T. P. Yi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia sagittatinea* T. P. Yi

***Borinda similaris*** (Hsueh & T. P. Yi) Stapleton [**New Combination**]  
**STAPLETON Chris M. A.** We Need to Talk about Fargesia: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)  
**Evidence:** morphology; ddRAD  
**B:** *Fargesia similaris* Hsueh & T. P. Yi

***Borinda solida*** (T. P. Yi) Stapleton [**New Combination**]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia solida* T. P. Yi

*Borinda stricta* (Hsueh & C. M. Hui) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia stricta* Hsueh & C. M. Hui

*Borinda strigosa* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia strigosa* T. P. Yi

*Borinda subflexuosa* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia subflexuosa* T. P. Yi

*Borinda sylvestris* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia sylvestris* T. P. Yi

*Borinda tengchongensis* (Hsueh & C. M. Hui) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Thamnocalamus tengchongensis* Hsueh & C. M. Hui

*Borinda viridis* (D. Z. Li & Xia Y. Ye) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia viridis* D. Z. Li & Xia Y. Ye

*Borinda xianggelilaensis* (T. P. Yi & Lin Yang) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia xianggelilaensis* T.P. Yi & Lin Yang

*Borinda yajiangensis* (T. P. Yi & J. Y. Shi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Sichuan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia yajiangensis* T. P. Yi & J. Y. Shi

*Borinda yulongshanensis* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia yulongshanensis* T. P. Yi

*Borinda zayuensis* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [8].

**CHINA** (Xizang)

**Evidence:** morphology; ddRAD

**B:** *Fargesia zayuensis* T. P. Yi

*Campeioestachys calcicola* (Y. L. Keng) Y. H. Zhou, H. Q. Zhang & M. Q. Deng [New Combination]

**TAN Lu, ZHANG Hai-qin, CHEN Wei-huan, DENG Meng-qi, SHA Li-na, FAN Xing, KANG Hou-yang, WANG Yi, WU Dan-dan, ZHOU Yong-hong.** Genome Composition and Taxonomic Revision of *Elymus purpuraristatus* and *Roegneria calcicola* (Poaceae: Triticeae) Based on Cytogenetic and Phylogenetic Analyses. *Phylogenetics and Intrafamilial Classification of Commelinaceae (Commelinales)*. *Botanical Journal of the Linnean Society* [J] 196(2): 242-255. [E] 2021: [252].

**CHINA** (Guizhou, Sichuan, Yunnan)

**Evidence:** morphology; Acc1, DMC1; chromosome

**B:** *Roegneria calcicola* Y. L. Keng

*Campeioestachys purpurarista* (C. P. Wang & X. L. Yang) Y. H. Zhou, H. Q. Zhang & Wei Huan Chen [New Combination]

**TAN Lu, ZHANG Hai-qin, CHEN Wei-huan, DENG Meng-qi, SHA Li-na, FAN Xing, KANG Hou-yang, WANG Yi, WU Dan-dan, ZHOU Yong-hong.** Genome Composition and

Taxonomic Revision of *Elymus purpuraristatus* and *Roegneria calcicola* (Poaceae: Triticeae) Based on Cytogenetic and Phylogenetic Analyses. *Botanical Journal of the Linnean Society* [J] 196(2): 242-255. [E] 2021: [252].

**CHINA** (Nei Mongol)

**Evidence:** morphology; Acc1, DMC1; chromosome

**B:** *Elymus purpuraristatus* C. P. Wang & X. L. Yang

*Ferocalamus rimosivaginus* T. H. Wen [Typification]

**CAI Zhuo-yu, XIA Nian-he.** The Floral Morphology of *Ferocalamus rimosivaginus* (Poaceae: Bambusoideae). *Phytotaxa* [J] 498(4): 265-272. [E] 2021: [268]. doi: 10.11646/phytotaxa.498.4.4

**TYPE:** G. K. Chen No.1 (holotype: ZJFI); Sino-Soviet Botanical Expedition 2490 (epitype: PE-01512408, isoeotype: KUN-0075621)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Gelidocalamus fengkaiensis* N. H. Xia & Z. Y. Cai 封开短枝竹 [New Species]

**CAI Zhuo-yu, ZHOU Xin-xin, WONG Khoon-meng, XIA Nian-he.** *Gelidocalamus fengkaiensis* (Poaceae: Bambusoideae), a New Bamboo Species from Guangdong, China, with an Analysis of Branch Development in Relation to Flowering. *Botanical Studies (Taipei)* [J] 62(12): 1-8. [E] 2021: [2]. doi: 10.1186/s40529-021-00319-4

**TYPE:** Z. Y. Cai CZY-141 (holotype: IBSC-0865923; isotype: PE-02352344); Z. Y. Cai CZY-137 (paratype: IBSC); X. X. Zhou s.n. (paratype: IBSC)

**CHINA** (Guangdong\*)

**Evidence:** morphology

*Gigantochloa glabrata* N. H. Xia & Y. Zeng ex D. Z. Li & Z. C. Xu 少毛巨竹 [New Species]

**XU Zu-chang, LIU Jing-xia, LI De-zhu.** *Gigantochloa glabrata* (Poaceae, Bambusoideae), a New Bamboo Species from Yunnan, China. *PhytoKeys* [J] 171: 37-45. [E] 2021: [39]. doi: 10.3897/phytokeys.171.59562

**TYPE:** Z. C. Xu 2019041 (holotype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Gigantochloa glabrata* N. H. Xia & Y. Zeng ex D. Z. Li & Z. C. Xu 少毛巨竹 [Correction]

**XU Zu-chang, LIU Jing-xia, LI De-zhu.** *Gigantochloa glabrata* (Poaceae, Bambusoideae), a New Bamboo Species from Yunnan, China. *PhytoKeys* [J] 171: 37-45. [E] 2021: [39]. doi: 10.3897/phytokeys.171.59562

**TYPE:** Z. C. Xu 2019041 (holotype: KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology

**A:** *Gigantochloa albociliata* auct. non (Munro) Kurz: C. J. Hsueh & J. L. Sun in Keng f. & Z. P. Wang, Fl. Reipubl. Poppularis. Sin. 9(1): 198. pl. 50, 1-11. 1996; D. Z. Li & Stapleton in Z. Y. Wu, P. H. Raven & D. Y. Hong, Fl. China 22: 47. 2006; L. B. Zhang in C. Y. Wu, P. H. Raven & D. Y. Hong, Fl. China Illustr. 22: 46. fig. 46:1-11, 2007.

*Pleioblastus triangulata* (Hsueh & T. P. Yi) N. H. Xia, Y. H. Tong & Z. Y. Niu 五爪竹 [New Combination]

**NIU Zheng-yang, TONG Yi-hua, XIA Nian-he.** *Pleioblastus triangulata* (Poaceae: Bambusoideae), a New Combination for *Indosasa triangulata* Based on Morphological and Molecular Evidence. *Phytotaxa* [J] 527(4): 275-283. [E] 2021: [278]. doi: 10.11646/phytotaxa.527.4.5

**TYPE:** T. P. Yi 77339 (holotype: SIFS)

**CHINA** (Yunnan\*)

**Evidence:** morphology; chloroplast genome

**B:** *Indosasa triangulata* Hsueh & T. P. Yi

*Poa kengii* Oonova & Sylvester [New Species]

**OLONOVA Marina Vladimirovna, SYLVESTER Steven P.** *Poa liuliangii* and *P. kengii* (Poaceae), Two New Species from the Hengduan Mountains of Southwest China. *Taiwania* [J] 66(2): 251-257. [E] 2021: [252]. doi: 10.6165/tai.2021.66.251

**TYPE:** Y. S. Chen & M. V. Oonova TK-002705 (holotype: TK; isotype: PE); Y. S. Chen & M. V. Oonova TK-002709 (paratype: TK, PE); Y. S. Chen & M. V. Oonova TK-002708 (paratype: TK, PE)

**CHINA** (Sichuan\*)

**Evidence:** morphology

*Poa liuliangii* Oonova & Sylvester [New Species]

**OLONOVA Marina Vladimirovna, SYLVESTER Steven P.** *Poa liuliangii* and *P. kengii* (Poaceae), Two New Species from the Hengduan Mountains of Southwest China. *Taiwania* [J] 66(2): 251-257. [E] 2021: [252]. doi: 10.6165/tai.2021.66.251

**TYPE:** Y. S. Chen & M. V. Oonova TK-002704 (holotype: TK; isotype: PE); Y. S. Chen & M. V. Oonova TK-002710 (paratype: TK, PE); Y. S. Chen & M. V. Oonova TK-002711 (paratype: TK, PE)

**CHINA** (Sichuan\*)

**Evidence:** morphology

*Stipa turkestanica* Hack. 土耳其针茅 [New Record]

**HU Fan-bin, XIN Yue, GUO Ke, ZHAO Li-qing.** Seven Newly Recorded Species from Xizang and Xinjiang in China. *Biodiversity Science* [J] 29(9): 1265-1270. [C] 2021: [1268]. doi: 10.17520/biods.2021181

**CHINA** (Xizang); INDIA

**Evidence:** morphology

*Tongpeia* Stapleton [New Genus]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [9].

**TYPE:** *Tongpeia arachnoides* Stapleton

**Evidence:** morphology; ddRAD

*Tongpeia arachnoides* Stapleton [New Species]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [12].

**TYPE:** Stapleton 1412 (holotype: WSY)

**CHINA** (Yunnan\*)

**Evidence:** morphology; ddRAD

*Tongpeia fungosa* (T. P. Yi) Stapleton [New Combination]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [13].

**CHINA** (Guizhou, Sichuan, Yunnan)

**Evidence:** morphology; ddRAD

**B:** *Fargesia fungosa* T. P. Yi

*Tongpeia syrinx* Stapleton [New Species]

**STAPLETON Chris M. A.** We Need to Talk about *Fargesia*: New Combinations and a New Genus in the Temperate Sino-Himalayan Bamboos (Poaceae: Bambusoideae). *Journal of the American Bamboo Society* [J] 31: 1-16. [E] 2021: [13].

**TYPE:** Stapleton 1413 (holotype: WSY)

**CHINA** (Yunnan\*)

**Evidence:** morphology; ddRAD

*Yushania doupengshanensis* Y. Y. Zhang & N. H. Xia 斗篷山玉山竹 [New Species]

**ZHANG You-yuan, XIA Nian-he.** *Yushania doupengshanensis* (Poaceae, Bambusoideae), a New Bamboo Species from South Guizhou, China. *Phytotaxa* [J] 505(2): 229-234. [E] 2021: [230]. doi: 10.11646/phytotaxa.505.2.9

**TYPE:** Y. Y. Zhang 2004 (holotype: IBSC)

**CHINA** (Guizhou\*)

**Evidence:** morphology

*Yushania elevata* T. P. Yi [New Synonymy]

**YE Xia-ying, ZHANG Yu-xiao, LI De-zhu.** Two New Species of *Yushania* (Poaceae: Bambusoideae) from South China, with a Taxonomic Revision of Related Species. *Plant Diversity* [J] 43(6): 492-501. [E] 2021: [494]. doi: 10.1016/j.pld.2021.03.001

**TYPE:** T. P. Yi 83142 (holotype: SIFS)

**CHINA** (Yunnan\*)

**Evidence:** morphology; ddRAD-seq

**S:** *Yushania gigantea* T. P. Yi & Lin Yang (T. P. Yi 05080, holotype: SIFS)

*Yushania lipingensis* Z. Yang, Z. X. Zhang & Y. H. Tong 黎平玉山竹 [New Species]

**YANG Zhi, ZHANG Zhi-xian, WU Yun-hui, TONG Yi-hua.** *Yushania lipingensis* (Poaceae: Bambusoideae), a New Species from Guizhou, China. *Journal of Tropical and Subtropical Botany* [J] 29(3): 323-327. [C] 2021: [324]. doi: 10.11926/jtsb.4406

**TYPE:** Y. H. Tong & F. L. Chen TYH-2478 (holotype: IBSC)

**CHINA** (Guizhou\*)

**Evidence:** morphology

*Yushania longshanensis* D. Z. Li & Xia Y. Ye 龙山玉山竹 [New Species]

**YE Xia-ying, ZHANG Yu-xiao, LI De-zhu.** Two New Species of *Yushania* (Poaceae: Bambusoideae) from South China, with a Taxonomic Revision of Related Species. *Plant Diversity* [J] 43(6): 492-501. [E] 2021: [493]. doi: 10.1016/j.pld.2021.03.001

**TYPE:** X. Y. Ye & J. X. Liu YXY222 (holotype: KUN; isotype: KUN)

**CHINA** (Hunan\*)

**Evidence:** morphology; ddRAD-seq

*Yushania stoloniforma* D. Z. Li & Xia Y. Ye 匍匐玉山竹 [New Species]

**YE Xia-ying, ZHANG Yu-xiao, LI De-zhu.** Two New Species of *Yushania* (Poaceae: Bambusoideae) from South China, with a Taxonomic Revision of Related Species. *Plant Diversity* [J] 43(6): 492-501. [E] 2021: [494]. doi: 10.1016/j.pld.2021.03.001

**TYPE:** X. Y. Ye & J. X. Liu YXY224 (holotype: KUN; isotype: KUN)

**CHINA** (Hunan\*)

**Evidence:** morphology; ddRAD-seq

*Yushania weiningensis* D. Z. Li & X. Y. Ye [New Name]

**YE Xia-ying, ZHANG Yu-xiao, LI De-zhu.** Two New Species of *Yushania* (Poaceae: Bambusoideae) from South China, with a Taxonomic Revision of Related Species. *Plant Diversity* [J] 43(6): 492-501. [E] 2021: [494]. doi: 10.1016/j.pld.2021.03.001

**TYPE:** T. P. Yi 05111 (holotype: SIFS)

**CHINA** (Guizhou\*)

**Evidence:** morphology; ddRAD-seq

**R:** *Yushania microphylla* T. P. Yi & Lin Yang

**Polygonaceae 蓼科**

*Fagopyrum longistylum* M. L. Zhou & Yu Tang [New Species]

**ZHANG Kai-xuan, FAN Yu, WENG Wen-feng, TANG Yu, ZHOU Mei-liang.** *Fagopyrum longistylum* (Polygonaceae), a New Species from Sichuan, China. *Phytotaxa* [J] 482(2): 173-182. [E] 2021: [175]. doi: 10.11646/phytotaxa.482.2.5

**TYPE:** M. L. Zhou & Y. Tang s.n. (holotype: CAAS-2203); H. He & Y. Q. Yang H1099 (paratype: CTC); Li Bing Zhang & H. He 6090 (paratype: CDBI, CTC); Li Bing Zhang, Y. F. Duan & M. Kropf 9572 (paratype: CDBI); K. H. Shing & Q. Xia 5021 (paratype: PE); Qinghai-Tibet Exped. 11209 (paratype: PE); Liang Zhang 1410 (paratype: CDBI); R. Knapp 4166 (paratype: P); Liang Zhang 1819 (paratype: KUN); X. P. Fan FXP55 (paratype: CDBI); E. Hennipman E3196 (paratype: L); Li Bing Zhang, R. Pollawtn, Liang Zhang, P. Limpanasittichai 10572 (paratype: BCU, CDBI, KUN, MO, PYU, XTBG); T. Boonkerd & al. 2011-738 (paratype: BCU)

**CHINA** (Sichuan\*)

**IUCN:** EN; **Evidence:** morphology; Chromosome; ITS, matK

*Polygonum cognatum* Meisn. subsp. *chitralicum* (Rech. f. & Schiman-Czeika) Qaiser 扁果岩蓼 [New Record]

**HU Fan-bin, XIN Yue, GUO Ke, ZHAO Li-qing.** Seven Newly Recorded Species from Xizang and Xinjiang in China. *Biodiversity Science* [J] 29(9): 1265-1270. [C] 2021: [1268]. doi: 10.17520/biods.2021181

**CHINA** (Xizang); INDIA

**Evidence:** morphology

*Amblyanthus chenii* Z. Zhou & H. Sun 墨脱锥药金牛 [New Species]

**ZHOU Zhuo, GUO Yong-jie, YUE Ji-pei, CHEN Hong-liang, TAN Yun-hong, SUN Hang.** *Amblyanthus chenii* (Primulaceae), a New Species and Generic Record from Xizang, China. *Systematic Botany* [J] 46(1): 152-161. [E] 2021: [157]. doi: 10.1600/036364421X16128061711250

**TYPE:** Ji. P. Yue, Z. Zhou & H. L. Chen YZC127 (holotype: KUN; isotype: KUN); ETM 3162 (paratype: KUN); ETM 3184 (paratype: KUN); ETM 4229, (paratype: KUN); Y. J. Guo & al. 16CS14432 (paratype: KUN); Z. Zhou, L. S. Qian, J. C. Peng & Y. Z. Zhang ZQP124 (paratype: KUN)

**CHINA** (Xizang\*)

IUCN: DD; **Evidence:** morphology; ITS, atpB, ndhF, psbA-trnH, rbcL, trnL-F

#### Primulaceae 报春花科

*Lysimachia brevianthera* Xin W. Li [**New Species**]

**KE Zun-wei, GAN Qi-liang, LI Xin-wei.** *Lysimachia brevianthera* (Primulaceae), a New Species from the Daba Mountains in Hubei and Shaanxi, China. *Annales Botanici Fennici* [J] 58(4-6): 253-258. [E] 2021: [254]. doi: 10.5735/085.058.0410

**TYPE:** Z. W. Ke & Q. L. Gan 1488 (holotype: HIB); Z.W. Ke & Q.L. Gan 1489 (paratype: HIB); Q.L. Gan 3320 (paratype: HIB)

**CHINA** (Hubei, Shaanxi\*)

**Evidence:** morphology; ITS, matK, rbcL, trnH-psbA

*Lysimachia caloneura* G. Hao, X. L. Yu & A. Liu [**New Species**]

**LIU Ang, YAN Hai-fei, YU Xun-lin, HAO Gang.** *Lysimachia caloneura* (Primulaceae), a New Species from Hunan, China. *Annales Botanici Fennici* [J] 58(1-3): 45-48. [E] 2021: [45]. doi: 10.5735/085.058.0108

**TYPE:** A. Liu & al. LK0719 (holotype: IBSC; isotype: CSFI); A. Liu & Y. K. Gong LK0950 (paratype: IBSC; CSFI)

**CHINA** (Hunan\*)

**Evidence:** morphology

*Lysimachia liujiangensis* W. B. Xu, Z. C. Lu & L. N. Dong 柳江香草 [**New Species**]

**LU Zhao-cen, YUAN Quan, WEI Su-juan, DONG Li-na, XU Wei-bin.** *Lysimachia liujiangensis* (Primulaceae), a New Species from Limestone Area of Central Guangxi, China. *Taiwania* [J] 66(1): 65-72. [E] 2021: [67]. doi: 10.6165/tai.2021.66.65

**TYPE:** Liujiang Exped. 450221190401052LY (holotype: IBK-00427520; isotype: IBK-00427522, GXMG)

**CHINA** (Guangxi\*)

**Evidence:** morphology; ITS, atpF-atpH, trnL-trnF, rpl32-trnL

*Lysimachia xuyongensis* X. F. Gao & W. B. Ju [**New Species**]

**JU Wen-bin, DENG Heng-ning, XU Bo, HE Xing-jin, GAO Xin-fen.** *Lysimachia xuyongensis* (Primulaceae), a New Species from Sichuan, China. *Phytotaxa* [J] 525(1): 59-64. [E] 2021: [60]. doi: 10.11646/phytotaxa.525.1.7

**TYPE:** W. B. Ju J-746 (holotype: CDBI; isotype: KUN, PE); X. F. Gao, Y. D. Gao & W. B. Ju HGX11784 (paratype: CDBI); L. Zhang, X. M. Zhou & W. B. Ju HGX14759 (paratype: CDBI)

**CHINA** (Sichuan\*)

IUCN: DD; **Evidence:** morphology

*Primula dujiangyanensis* W. B. Ju, Bo Xu bis & X. F. Gao [**New Species**]

**JU Wen-bin, DENG Heng-ning, ZHU Da-hai, GAO Yun-dong, GAO Xin-fen, XU Bo.** *Primula dujiangyanensis* (Primulaceae) Discovered from Sichuan, Southwest China. *Phytotaxa* [J] 510(3): 275-280. [E] 2021: [276]. doi: 10.11646/phytotaxa.510.3.7

**TYPE:** B. Xu & Y. D. Gao DJY00272 (holotype: CDBI; isotype: KUN, PE); B. Xu, Z. M. Zhu & al. DJY06717 (paratype: CDBI)

**CHINA** (Sichuan\*)

IUCN: CR; **Evidence:** morphology

*Primula longistyla* X. D. Ma & J. Y. Shen [**New Species**]

**MA Xing-da, WANG Wen-guang, SHI Ji-pu, SHEN Jian-yong.** *Primula longistyla* (Primulaceae), a New Species from Yunnan,

China. *Nordic Journal of Botany* [J] 39(e03341): 1-5. [E] 2021: [2]. doi: 10.1111/njb.03341

**TYPE:** J. Y. Shen & X. D. Ma 2396 (holotype: HITBC; isotype: HITBC, KUN, PE)

**CHINA** (Yunnan\*)

IUCN: CR; **Evidence:** morphology

*Primula ranunculoides* F. H. Chen 毛茛叶报春 [**New Synonyms**]

**LI Gen-you, XIE Wen-yuan, CHEN Feng, ZHANG Fen-yao, CHEN Gao-kun, CHEN Zheng-hai.** Notes on the Seed Plant Flora of Zhejiang (XI). *Journal of Zhejiang Forestry Science and Technology* [J] 41(4): 77-81. [C] 2021: [79]. doi: 10.3969/j.issn.1001-3776.2021.04.012

**TYPE:** Y. G. Xiong 1000 (holotype: LBG; isotype: E-00024342, E-00024343)

**CHINA** (Jiangxi\*, Zhejiang)

**Evidence:** morphology

**S:** *Primula lishuiensis* D. H. Wu, X. D. Mei & X. B. Chen (D. H. Wu & X. D. Mei JN20180317021, holotype: LSXY)

*Primula sinohumilis* G. Hao & C. M. Hu [**New Name**]

**WU Shu-hua, XU Yuan, HU Chi-ming, HAO Gang.** *Primula sinohumilis* G. Hao & C.M. Hu (Primulaceae), a New Name for *P. humilis* Pax & Hoffm. *Annales Botanici Fennici* [J] 58(1-3): 13-14. [E] 2021: [13]. doi: 10.5735/085.058.0102

**TYPE:** Limpricht 1864 (lectotype: WU-0059746)

**CHINA** (Sichuan\*)

**Evidence:** morphology

**R:** *Primula humilis* Pax & Hoffm.

#### Ranunculaceae 毛茛科

*Aconitum anhuiense* Lu Q. Huang, H. S. Peng & M. Z. Yin 安徽乌头 [**New Species**]

**YIN Min-zhen, PENG Hua-sheng, HUANG Lu-qi.** *Aconitum anhuiense* sp. nov. (Ranunculaceae), a New Species from Anhui, China. *Nordic Journal of Botany* [J] 39(e03413): 1-5. [E] 2021: [4]. doi: 10.1111/njb.03413

**TYPE:** H. S. Peng 2020100301 (holotype: ACM; isotype: ACM); s.coll. 013358 (paratype: ACM); s.coll. 013359 (paratype: ACM); s.coll. 013360 (paratype: ACM); s.coll. 013352 (paratype: ACM)

**CHINA** (Anhui\*)

**Evidence:** morphology

*Anemone baizhishanica* W. T. Wang 柏枝山银莲花 [**New Species**]

**WANG Wen-tsai.** A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [38]. doi: 10.11931/guihaia.gxzw2021Suppl.1

**TYPE:** Jinfooshan Exped. 0147 (holotype: PE)

**CHINA** (Chongqing\*)

**Evidence:** morphology

*Anemone baoxingensis* W. T. Wang 宝兴银莲花 [**New Species**]

**WANG Wen-tsai.** A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [78]. doi: 10.11931/guihaia.gxzw2021Suppl.1

**TYPE:** D. H. Du 4305 (holotype: PE)

**CHINA** (Sichuan\*)

**Evidence:** morphology

*Anemone bomiensis* W. T. Wang 波密银莲花 [**New Species**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [55]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** PE Xizang Exped. 9195 (holotype: PE)  
**CHINA** (Xizang\*)  
**Evidence:** morphology

*Anemone daofuensis* W. T. Wang 道孚银莲花 [**New Species**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [115]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** S. R. Zhang, B. Z. Li & D. L. Lin 3201 (holotype: PE)  
**CHINA** (Sichuan\*)  
**Evidence:** morphology

*Anemone demissa* Hook. f. & Thomson var. *humilis* W. T. Wang 矮展毛银莲花 [**New Variety**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [73]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** W. L. Chen, S. W. Jiang & J. X. Wang 1588 (holotype: PE)  
**CHINA** (Sichuan\*)  
**Evidence:** morphology

*Anemone discoideogyna* W. T. Wang 盘蕊银莲花 [**New Species**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [103]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** X. Y. Zhu, R. P. Zhang & K. L. Zu G1022 (holotype: PE; isotype: PE)  
**CHINA** (Sichuan\*)  
**Evidence:** morphology

*Anemone fugongensis* W. T. Wang 福贡银莲花 [**New Species**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [91]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** X. H. Jin & T. Zhang 46 (holotype: PE)  
**CHINA** (Yunnan\*)  
**Evidence:** morphology

*Anemone fugongensis* W. T. Wang var. *lushuiensis* W. T. Wang 泸水银莲花 [**New Variety**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [91]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** K. Y. Zhao 148 (holotype: PE)  
**CHINA** (Yunnan\*)  
**Evidence:** morphology

*Anemone galonglashanica* W. T. Wang 嘎隆拉山银莲花 [**New Species**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [59]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** S. Z. Cheng & B. S. Li 33 (holotype: PE)  
**CHINA** (Xizang\*)

**Evidence:** morphology

*Anemone gonggaensis* W. T. Wang 贡嘎银莲花 [**New Species**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [84]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** Y. Yang, H. W. Li, Z. Yang & Y. Wang GGS316 (holotype: PE)  
**CHINA** (Sichuan\*)  
**Evidence:** morphology

*Anemone jiulongensis* W. T. Wang 九龙银莲花 [**New Species**] [nom. invail]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [34]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** S. R. Zhang, J. Yang & W. Zhang GGS10336 (holotype: ?; isotype: ?)  
**CHINA** (Sichuan\*)  
**Evidence:** morphology

*Anemone ludingensis* W. T. Wang 泸定银莲花 [**New Species**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [51]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** Y. Yang, H. W. Li, Z. Yang & Y. Wang GGS 161 (holotype: PE)  
**CHINA** (Sichuan\*)  
**Evidence:** morphology

*Anemone neorupestris* W. T. Wang 湿地银莲花 [**New Name**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [62]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** J. D. Hooker s.n. (holotype: K)  
**CHINA** (Xizang, Yunnan); **INDIA**\*  
**Evidence:** morphology  
**R:** *Anemone rupestris* Wall. ex Hook. f. & Thomson

*Anemone neorupestris* W. T. Wang var. *latifolia* (W. T. Wang) W. T. Wang 宽叶湿地银莲花 [**New Combination**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [63]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** D. H. Zhu & Z. B. Feng 20070626 (holotype: PE)  
**CHINA** (Sichuan\*)  
**Evidence:** morphology  
**B:** *Anemone rupestris* Wall. ex Hook. f. & Thomson var. *latifolia* W. T. Wang

*Anemone neorupestris* W. T. Wang subsp. *gelida* (Maxim.) W. T. Wang 冻地银莲花 [**New Combination**]  
**WANG Wen-tsai.** A New Classification of Anemone (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [63]. doi: 10.11931/guihaia.gxzw2021Suppl.1  
**TYPE:** G. N. Potanin s.n. (holotype: LE; isotype: PE)  
**CHINA** (Sichuan\*, Yunnan)  
**Evidence:** morphology  
**B:** *Anemone rupestris* Wall. ex Hook. f. & Thomson subsp. *gelida* Maxim.



*Anemone obtusiloba* D. Don subsp. *dolichopoda* W. T. Wang 长柄钝裂银莲花 [New Subspecies]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [50]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: Qinghai-Xizang Exped. 6953 (holotype: PE)

CHINA (Xizang\*)

Evidence: morphology

*Anemone prattii* Huth ex Ulbr. var. *fulingensis* (W. T. Wang & Z. Y. Liu) W. T. Wang 涪陵银莲花 [New Combination]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [94]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: Z. Y. Liu & M. B. Ren 2060366 (holotype: PE); Z. Y. Liu 2050007 (paratype: PE)

CHINA (Chongqing\*)

Evidence: morphology

B: *Anemone fulingensis* W. T. Wang & Z. Y. Liu

*Anemone prattii* Huth ex Ulbr. var. *sparsipilifera* W. T. Wang 疏毛川西银莲花 [New Variety]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [94]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: Gonggashan Exped. 0412 (holotype: PE)

CHINA (Sichuan\*)

Evidence: morphology

*Anemone* sect. *Brachycladus* W. T. Wang 短柱银莲花组 [New Section]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [84]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: *Anemone brevistyla* C. C. Chang ex W. T. Wang

Evidence: morphology

*Anemone* sect. *Pleurocarpus* W. T. Wang 直果银莲花组 [New Section]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [98]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: *Anemone orthocarpa* Hand.-Mazz.

Evidence: morphology

*Anemone* ser. *Hofengenses* W. T. Wang 鹤峰银莲花系 [New Seris]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [96]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: *Anemone hofengensis* W. T. Wang

Evidence: morphology

*Anemone* ser. *Jiachaenses* W. T. Wang 加查银莲花系 [New Seris]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [97]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: *Anemone jiachaensis* W. T. Wang

Evidence: morphology

*Anemone* ser. *Orthocarpae* W. T. Wang 直果银莲花系 [New Seris]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [98]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: *Anemone orthocarpa* Hand.-Mazz.

Evidence: morphology

*Anemone* ser. *Xingyienses* W. T. Wang 兴义银莲花系 [New Seris]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [98]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: *Anemone xingyiensis* Q. Yuan & Q. E. Yang

Evidence: morphology

*Anemone sino-linearis* W. T. Wang 条叶银莲花 [New Name]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [68]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: A. E. Pratt 493 (holotype: ?)

CHINA (Sichuan\*)

Evidence: morphology

R: *Anemone obtusiloba* D. Don var. *linearis* Brühl

*Anemone sino-linearis* W. T. Wang var. *holophylla* (Diels) W. T. Wang 钝齿条叶银莲花 [New Combination]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [69]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: A. E. Pratt 493 (holotype: ?)

CHINA (Sichuan\*)

Evidence: morphology

B: *Anemone trullifolia* Hook. f. & Thomson var. *holophylla* Diels

*Anemone stenosepala* W. T. Wang 狭萼银莲花 [New Species]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [44]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: Q. E. Yang & H. Z. Kong 98-110 (holotype: PE)

CHINA (Yunnan\*)

Evidence: morphology

*Anemone trifoliolata* W. T. Wang 三小叶银莲花 [New Species]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [62]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: J. F. Rock 17543 (holotype: PE)

CHINA (Sichuan\*)

Evidence: morphology

*Anemone yulongshanica* W. T. Wang var. *polysepala* (W. T. Wang) W. T. Wang 叶枝银莲花 [New Combination]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [61]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: K. M. Feng 4270 (holotype: PE); K. M. Feng 4272 (paratype: PE)

CHINA (Yunnan\*)

Evidence: morphology

B: *Anemone obtusiloba* Lindl. var. *polysepala* W. T. Wang

*Anemone zheduoshanica* W. T. Wang 折多山银莲花 [New Species]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [67]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: Gonggashan Exped. 0642 (holotype: PE); Gonggashan Exped. 0734 (paratype: PE)

CHINA (Sichuan\*)

Evidence: morphology

*Anemone zheduoshanica* W. T. Wang var. *atropurpurea* W. T. Wang 暗紫折多山银莲花 [New Variety]

WANG Wen-tsai. A New Classification of *Anemone* (Ranunculaceae) of China. *Guihaia* [J] 41(Suppl. 1): 1-118. [C] 2021: [68]. doi: 10.11931/guihaia.gxzw2021Suppl.1

TYPE: Gonggashan Exped. 0629 (holotype: PE)

CHINA (Sichuan\*)

Evidence: morphology

*Clematis tongluensis* (Bruhl) Tamura 桐庐铁线莲 [New Record]

WANG Wen-tsai. Discovery of *Clematis tongluensis* (Ranunculaceae) from Southeast Tibet of China. *Guihaia* [J] 41(1): 1-3. [C] 2021: [1]. doi: 10.11931/guihaia.gxzw201911040

CHINA (Xizang); INDIA

Evidence: morphology

*Delphinium buerjinense* W. T. Wang & Z. Z. Yang 布尔津翠雀花 [New Species]

WANG Wen-tsai, YANG Zong-zong. Three New Species of *Delphinium* L. (Ranunculaceae) from Xinjiang. *Guihaia* [J] 41(3): 327-333. [C] 2021: [327]. doi: 10.11931/guihaia.gxzw202012062

TYPE: Z. Z. Yang 3191 (holotype: PE; isotype: Yang's Herbarium); Z. Z. Yang 3190 (paratype: Yang's Herbarium)

CHINA (Xinjiang\*)

Evidence: morphology

*Delphinium habaheense* W. T. Wang & Z. Z. Yang 哈巴河翠雀花 [New Species]

WANG Wen-tsai, YANG Zong-zong. Three New Species of *Delphinium* L. (Ranunculaceae) from Xinjiang. *Guihaia* [J] 41(3): 327-333. [C] 2021: [331]. doi: 10.11931/guihaia.gxzw202012062

TYPE: Z. Z. Yang & A. M. Liu 2977 (holotype: PE)

CHINA (Xinjiang\*)

Evidence: morphology

*Delphinium huashanicum* W. T. Wang 华山翠雀花 [New Species]

WANG Wen-tsai. A New Species and a New Variety of *Delphinium* (Ranunculaceae) from China. *Bulletin of Botanical Research* [J] 41(2): 161-163. [C] 2021: [161]. doi: 10.7525/j.issn.1673-5102.2021.02.001

TYPE: X. P. Wang 20564 (holotype: PE-01566868)

CHINA (Shaanxi\*)

Evidence: morphology

*Delphinium iliense* Huth var. *pubipes* W. T. Wang 毛梗伊犁翠雀花 [New Variety]

WANG Wen-tsai. A New Species and a New Variety of *Delphinium* (Ranunculaceae) from China. *Bulletin of Botanical*

*Research* [J] 41(2): 161-163. [C] 2021: [161]. doi: 10.7525/j.issn.1673-5102.2021.02.001

TYPE: W. Y. Xu & al. 466 (holotype: PE-00500379)

CHINA (Xinjiang\*)

Evidence: morphology

*Delphinium nilekeense* W. T. Wang & Z. Z. Yang 尼勒克翠雀花 [New Species]

WANG Wen-tsai, YANG Zong-zong. Three New Species of *Delphinium* L. (Ranunculaceae) from Xinjiang. *Guihaia* [J] 41(3): 327-333. [C] 2021: [329]. doi: 10.11931/guihaia.gxzw202012062

TYPE: Z. Z. Yang 2531 (holotype: PE; isotype: Yang's Herbarium); Z. Z. Yang 2538 (paratype: Yang's Herbarium)

CHINA (Xinjiang\*)

Evidence: morphology

*Thalictrum bouffordii* Y. P. Zeng, Q. Yuan & Q. E. Yang [New Species]

ZENG You-pai, YUAN Qiong, YANG Qin-er. *Thalictrum bouffordii* (Ranunculaceae), a New Species from the Qionglai Mountains Region in Western Sichuan, China. *Phytotaxa* [J] 510(1): 18-28. [E] 2021: [18]. doi: 10.11646/phytotaxa.510.1.2

TYPE: Y. P. Zeng & Q. L. Huang 352 (holotype: IBSC; isotype: CDBI, IBSC, PE)

CHINA (Sichuan\*)

IUCN: DD; Evidence: morphology

*Thalictrum changii* Y. P. Zeng, Q. Yuan & Q. E. Yang [New Species]

ZENG You-pai, FEI Wen-qun, YUAN Qiong, YANG Qin-er. *Thalictrum changii* (Ranunculaceae), a New Species from Southern Xizang (Tibet), China. *Phytotaxa* [J] 511(3): 248-260. [E] 2021: [250]. doi: 10.11646/phytotaxa.511.3.4

TYPE: L. Wang, X. Q. Guo & Y. P. Zeng 3160 (holotype: IBSC; isotype: IBSC, KUN, PE)

CHINA (Xizang\*)

IUCN: DD; Evidence: morphology

*Thalictrum glandulosissimum* (Finet & Gagnep.) W. T. Wang & S. H. Wang [New Synonyms]

ZENG You-pai, YUAN Qiong, YANG Qin-er. *Thalictrum panzhihuaense* (Ranunculaceae) Is Placed in Synonymy with *T. glandulosissimum*, with Reduction of *T. tsaii* to *T. glandulosissimum* var. *tsaii*. *Phytotaxa* [J] 520(1): 1-20. [E] 2021: [11]. doi: 10.11646/phytotaxa.520.1.1

TYPE: J. M. Delavay 4813 (lectotype: P-00147231; isolectotype: BO, K-000694054, P-00147230, PE-00934960); J. M. Delavay 4840 (syntype: BO, MPU-011543, NY-00353655); J. M. Delavay 3203 (syntype: P-00147227, P-00147228, P-00147229, S)

CHINA (Sichuan, Yunnan\*)

Evidence: morphology

S: *Thalictrum panzhihuaense* W. T. Wang (G. M. Zhang 638, holotype: PE-02050239)

*Thalictrum glandulosissimum* (Finet & Gagnep.) W. T. Wang & S. H. Wang [Typification]

ZENG You-pai, YUAN Qiong, YANG Qin-er. *Thalictrum panzhihuaense* (Ranunculaceae) Is Placed in Synonymy with *T. glandulosissimum*, with Reduction of *T. tsaii* to *T. glandulosissimum* var. *tsaii*. *Phytotaxa* [J] 520(1): 1-20. [E] 2021: [11]. doi: 10.11646/phytotaxa.520.1.1

**TYPE:** J. M. Delavay 4813 (lectotype: P-00147231; isolectotype: BO, K-000694054, P-00147230, PE-00934960); J. M. Delavay 4840 (syntype: BO, MPU-011543, NY-00353655); J. M. Delavay 3203 (syntype: P-00147227, P-00147228, P-00147229, S)  
**CHINA** (Sichuan, Yunnan\*)  
**Evidence:** morphology

*Thalictrum glandulosissimum* (Finet & Gagnep.) W. T. Wang & S. H. Wang var. *tsaii* (W. T. Wang) Y. P. Zeng, Q. Yuan & Q. E. Yang [New Combination]

**ZENG You-pai, YUAN Qiong, YANG Qin-er.** *Thalictrum panzhihuaense* (Ranunculaceae) Is Placed in Synonymy with *T. glandulosissimum*, with Reduction of *T. tsaii* to *T. glandulosissimum* var. *tsaii*. *Phytotaxa* [J] 520(1): 1-20. [E] 2021: [19]. doi: 10.11646/phytotaxa.520.1.1

**TYPE:** H. T. Tsai 57289 (holotype: PE-00028262; isotype: GH-00110476, KUN)

**CHINA** (Yunnan\*)

**Evidence:** morphology

**S:** *Thalictrum tsaii* W. T. Wang

*Thalictrum leuconotum* Franch. [New Synonyms]

**ZENG You-pai, YUAN Qiong, YANG Qin-er.** *Thalictrum jilongense* and *T. tenuicaule* (Ranunculaceae), Described from China, Are Both Merged with *T. leuconotum*. *Phytotaxa* [J] 509(2): 168-184. [E] 2021: [172]. doi: 10.11646/phytotaxa.509.2.2

**TYPE:** J. M. Delavay 2854 (lectotype: P-00147417; isolectotype: K-000694044, MPU-011550, NAS-00070702, NY-00353658, P-00147418, P-00147419, PE-00028254)

**CHINA** (Sichuan, Xizang, Yunnan\*); **BHUTAN, NEPAL**

**Evidence:** morphology

**S:** *Thalictrum jilongense* W. T. Wang (Xizang Chinese Trad. Med. Exped. 309, holotype: PE-0450478; isotype: HNWP); *Thalictrum tenuicaule* W. T. Wang (Y. Yang & al. GGS181, holotype: PE-02293705; isotype: PE-02293702)

*Thalictrum leuconotum* Franch. [Typification]

**ZENG You-pai, YUAN Qiong, YANG Qin-er.** *Thalictrum jilongense* and *T. tenuicaule* (Ranunculaceae), Described from China, Are Both Merged with *T. leuconotum*. *Phytotaxa* [J] 509(2): 168-184. [E] 2021: [172]. doi: 10.11646/phytotaxa.509.2.2

**TYPE:** J. M. Delavay 2854 (lectotype: P-00147417; isolectotype: K-000694044, MPU-011550, NAS-00070702, NY-00353658, P-00147418, P-00147419, PE-00028254)

**CHINA** (Sichuan, Xizang, Yunnan\*); **BHUTAN, NEPAL**

**Evidence:** morphology

*Thalictrum megalostigma* (B. Boivin) W. T. Wang [New Synonyms]

**ZENG You-pai, YUAN Qiong, YANG Qin-er.** *Thalictrum kangdingense* (Ranunculaceae), a New Synonym of *T. megalostigma* from China. *Phytotaxa* [J] 498(2): 87-103. [E] 2021: [88]. doi: 10.11646/phytotaxa.498.2.2

**TYPE:** W. P. Fang 3619 (holotype: GH-00038599; isotype: E-00386259, K-000694181, NAS-00186902, P-00145842, US-00103795)

**CHINA** (Gansu, Sichuan\*)

**Evidence:** morphology

**S:** *Thalictrum kangdingense* W. T. Wang (X.Y. Zhu & al. GG226, holotype: PE-02293701)

*Thalictrum minshanicum* Y. P. Zeng, Q. Yuan & Q. E. Yang [New Species]

**ZENG You-pai, YUAN Qiong, YANG Qin-er.** *Thalictrum minshanicum* and *T. pseudoramosum* (Ranunculaceae), Two New Species from China. *Phytotaxa* [J] 502(2): 133-148. [E] 2021: [133]. doi: 10.11646/phytotaxa.502.2.2

**TYPE:** Y. P. Zeng & Q. L. Huang 337 (holotype: IBSC; isotype: CDBI, IBSC, PE)

**CHINA** (Gansu, Sichuan\*)

**IUCN:** DD; **Evidence:** morphology

*Thalictrum nanhuaense* Y. P. Zeng, Q. Yuan & Q. E. Yang [New Species]

**ZENG You-Pai, YUAN Qiong, YANG Qin-er.** *Thalictrum nanhuaense* (Ranunculaceae), a New Species from Central Yunnan, China. *Phytotaxa* [J] 479(1): 121-128. [E] 2021: [121]. doi: 10.11646/phytotaxa.479.1.10

**TYPE:** Y. P. Zeng & Q. L. Huang 460 (holotype: IBSC; isotype: IBSC, KUN, PE)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology

*Thalictrum przewalskii* Maxim. [New Synonyms]

**ZENG You-pai, YUAN Qiong, YANG Qin-er.** Clarification of Some Imperfectly Understood Characters in the Chinese Species *Thalictrum przewalskii* (Ranunculaceae), with Reduction of *T. lasiogynum* and *T. latistylum* to Its Synonymy. *Phytotaxa* [J] 511(3): 187-210. [E] 2021: [202]. doi: 10.11646/phytotaxa.511.3.1

**TYPE:** N. M. Przewalski 348 (holotype: LE-01014048; isotype: LE-01014049)

**CHINA** (Beijing, Chongqing, Gansu\*, Hebei, Henan, Hubei, Hunan, Nei Mongol, Ningxia, Qinghai, Shaanxi, Shanxi, Sichuan)

**Evidence:** morphology

**S:** *Thalictrum lasiogynum* W. T. Wang (L. M. Lu 2008337, holotype: PE-02108941); *Thalictrum latistylum* W. T. Wang (Baishuijiang Exped. 454, holotype: PE-02108940); *Thalictrum rockii* Boivin (J. F. Rock 13054, holotype: GH-00038614)

*Thalictrum pseudoramosum* Y. P. Zeng, Q. Yuan & Q. E. Yang [New Species]

**ZENG You-pai, YUAN Qiong, YANG Qin-er.** *Thalictrum minshanicum* and *T. pseudoramosum* (Ranunculaceae), Two New Species from China. *Phytotaxa* [J] 502(2): 133-148. [E] 2021: [134]. doi: 10.11646/phytotaxa.502.2.2

**TYPE:** Y. P. Zeng & Q. L. Huang 326 (holotype: IBSC; isotype: CDBI, IBSC, PE)

**CHINA** (Gansu, Sichuan\*)

**IUCN:** DD; **Evidence:** morphology

*Thalictrum sect. Omalophysa* Turcz. ex Fisch. & C. A. Mey. [New Synonyms]

**ZENG You-pai, YUAN Qiong, YANG Qin-er.** Clarification of Some Imperfectly Understood Characters in the Chinese Species *Thalictrum przewalskii* (Ranunculaceae), with Reduction of *T. lasiogynum* and *T. latistylum* to Its Synonymy. *Phytotaxa* [J] 511(3): 187-210. [E] 2021: [201]. doi: 10.11646/phytotaxa.509.2.2

**TYPE:** *Thalictrum sparsiflorum* Turcz. ex Fisch. & C. A. Mey.

**Evidence:** morphology

**S:** *Thalictrum* sect. *Platystylus* W. T. Wang (type: *Thalictrum latistylum* W. T. Wang)

***Thalictrum uncinulatum*** Franch. ex Lecoy. [New Synonyms]  
**ZENG You-pai, YUAN Qiong, YANG Qin-er.** *Thalictrum brevisericum* var. *pentagynum* (Ranunculaceae), a New Synonym of *T. uncinulatum* from China. *Phytotaxa* [J] 497(2): 97-112. [E] 2021: [106]. doi: 10.11646/phytotaxa.497.2.3  
**TYPE:** A. David s.n. (lectotype: P-00155151; isolectotype: P-00155152)

**CHINA** (Sichuan\*)

**Evidence:** morphology

**S:** *Thalictrum brevisericum* W. T. Wang & S. H. Wang var. *pentagynum* W. T. Wang (L. Gu & Z.R. Li 1331, holotype: A-00353817; isotype: A-01005797, CDBI)

***Thalictrum uncinulatum*** Franch. ex Lecoy. [Typification]  
**ZENG You-pai, YUAN Qiong, YANG Qin-er.** *Thalictrum brevisericum* var. *pentagynum* (Ranunculaceae), a New Synonym of *T. uncinulatum* from China. *Phytotaxa* [J] 497(2): 97-112. [E] 2021: [106]. doi: 10.11646/phytotaxa.497.2.3  
**TYPE:** A. David s.n. (lectotype: P-00155151; isolectotype: P-00155152)

**CHINA** (Sichuan\*)

**Evidence:** morphology

#### Resedaceae 木樨草科

***Stixis yingjiangensis*** J. Y. Shen 盈江斑果藤 [New Species]  
**SHEN Jian-yong, MA Xing-da, GONG Qiang-bang, HUANG Guo-hui, YANG Xue-lian, SHI Ji-pu.** *Stixis yingjiangensis*, a New Species of Resedaceae from Yunnan, China. *Taiwania* [J] 66(3): 326-331. [E] 2021: [327]. doi: 10.6165/tai.2021.66.326  
**TYPE:** J. Y. Shen & X. D. Ma 2395 (holotype: HITBC; isotype: HIB, HITBC)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology; rbcL, matK

#### Rhamnaceae 鼠李科

***Fenghwaia*** G. T. Wang & R. J. Wang 封怀木属 [New Genus]  
**WANG Gang-tao, SHU Jiang-ping, JIANG Guo-bin, CHEN Yu-qiang, WANG Rui-jiang.** Morphology and Molecules Support the New Monotypic Genus *Fenghwaia* (Rhamnaceae) from South China. *PhytoKeys* [J] 171: 25-35. [E] 2021: [27]. doi: 10.3897/phytokeys.171.57277

**TYPE:** *Fenghwaia gardeniicarpa* G. T. Wang & R. J. Wang

**Evidence:** morphology; ITS; trnL-F

***Fenghwaia gardeniicarpa*** G. T. Wang & R. J. Wang 封怀木 [New Species]

**WANG Gang-tao, SHU Jiang-ping, JIANG Guo-bin, CHEN Yu-qiang, WANG Rui-jiang.** Morphology and Molecules Support the New Monotypic Genus *Fenghwaia* (Rhamnaceae) from South China. *PhytoKeys* [J] 171: 25-35. [E] 2021: [29]. doi: 10.3897/phytokeys.171.57277

**TYPE:** R. J. Wang, G. T. Wang & G. B. Jiang 1228 (holotype: IBSC-0849961; isotypes: CSH-0171170; IBK-00421260; IBSC-0849962; IBSC-0849963; KUN-1347949; PE-02251842); Y. Q. Chen & G. T. Wang 1223 (paratype: IBSC); Y. Q. Chen & G. T. Wang 1224 (paratype: IBSC); Y. Q. Chen & G. T. Wang 1225 (paratype: IBSC); Y. Q. Chen & G. T. Wang 1226 (paratype: IBSC); R. J. Wang & Y. Y. Liu 5928 (paratype: IBSC); H. G. Ye & al. GDS-00849 (paratype: IBSC)

**CHINA** (Guangdong\*)

**IUCN:** NT; **Evidence:** morphology; ITS; trnL-F

***Rhamnus nigricans*** Hand.-Mazz. [New Synonyms]  
**YANG Yi, PENG Hua, SUN Hang.** Taxonomic Revision of *Sageretia* (Rhamnaceae) from China I: Identities of *S. lucida*, *S. thea* var. *cordiformis* and *S. yunlongensis*, with the Description of a New Species *S. ellipsoidea*. *PhytoKeys* [J] 179: 13-28. [E] 2021: [15]. doi: 10.3897/phytokeys.179.64750

**TYPE:** Hand.-Mazz. 6311 (holotype: WU; isotype: A-00051422, K-000729152)

**CHINA** (Yunnan\*)

**Evidence:** morphology

**S:** *Sageretia yunlongensis* G. S. Fan & L. L. Deng (Expedition Team 161, holotype: SWFC)

***Sageretia cordiformis*** (Y. L. Chen & P. K. Chou) Yi Yang, H. Sun & H. Peng 心叶雀梅藤 [New Combination]

**YANG Yi, PENG Hua, SUN Hang.** Taxonomic Revision of *Sageretia* (Rhamnaceae) from China I: Identities of *S. lucida*, *S. thea* var. *cordiformis* and *S. yunlongensis*, with the Description of a New Species *S. ellipsoidea*. *PhytoKeys* [J] 179: 13-28. [E] 2021: [17]. doi: 10.3897/phytokeys.179.64750

**TYPE:** W. T. Wang 10496 (holotype: KUN-1207932; isotype: KUN-1207933)

**CHINA** (Yunnan\*); LAOS

**Evidence:** morphology

**B:** *Sageretia thea* (Osbeck) M. C. Johnst. var. *cordiformis* Y. L. Chen & P. K. Chou

***Sageretia ellipsoidea*** Yi Yang, H. Sun & H. Peng 椭圆雀梅藤 [New Species]

**YANG Yi, PENG Hua, SUN Hang.** Taxonomic Revision of *Sageretia* (Rhamnaceae) from China I: Identities of *S. lucida*, *S. thea* var. *cordiformis* and *S. yunlongensis*, with the Description of a New Species *S. ellipsoidea*. *PhytoKeys* [J] 179: 13-28. [E] 2021: [20]. doi: 10.3897/phytokeys.179.64750

**TYPE:** W. T. Tsang & K. C. Wong 2718 (holotype: IBSC-0404901; isotype: SYS-00086833); W. T. Tsang & K. C. Wong 2723 (paratype: IBSC-0404896); W. T. Tsang & K. C. Wong 2479 (paratype: SYS-0008683)

**CHINA** (Fujian, Guangdong\*, Guangxi, Hainan)

**Evidence:** morphology

***Sageretia lucida*** Merr. [New Recognition]

**YANG Yi, PENG Hua, SUN Hang.** Taxonomic Revision of *Sageretia* (Rhamnaceae) from China I: Identities of *S. lucida*, *S. thea* var. *cordiformis* and *S. yunlongensis*, with the Description of a New Species *S. ellipsoidea*. *PhytoKeys* [J] 179: 13-28. [E] 2021: [25]. doi: 10.3897/phytokeys.179.64750

**TYPE:** W. T. Tsang & K. C. Wong 3260 (holotype: UC-319815; isotype: A-00051501, SYS-00095840, US-00094394)

**CHINA** (Guangdong\*)

**Evidence:** morphology

**S:** *Sageretia henryi* J. R. Drumm. & Sprague

#### Rosaceae 蔷薇科

***Cerasus wuyiensis*** (X. R. Wang, X. G. Yi & C. P. Xie) Z. H. Chen, W. Y. Xie & Z. P. Lei 武夷红樱 [New Combination]

**LI Gen-you, CHEN Xian-zhi, XIE Wen-yuan, LEI Zu-pei, CHEN Zheng-hai.** New Notes on Seed Plant in East China. *Journal of Zhejiang Forestry Science and Technology* [J] 41(4):

82-85. [C] 2021: [84]. doi: 10.3969/j.issn.1001-3776.2021.04.013

**TYPE:** X. G. Yi 30604 (holotype: NFU)

**CHINA** (Fujian\*)

**Evidence:** morphology

**B:** *Cerasus campanulata* (Maxim.) Masam. & S. Suzuki var. *wuyiensis* X. R. Wang, X. G. Yi & C. P. Xie

*Eriobotrya prionophylla* Franch. [Typification]

**IDREES Muhammad, PATHAK Mitra Lal, ZHANG Zhi-yong, GAO Xin-fen.** Typification of Names in Eriobotrya, Mespilus, Opa and Photinia (Rosaceae). *Phytotaxa* [J] 487(2): 164-170. [E] 2021: [167]. doi: 10.11646/phytotaxa.487.2.7

**TYPE:** Delavay 3545 (lectotype: P-03342590; isolectotype: K-000758255, LE-01015176)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Fragaria emeiensis* J. J. Lei [New Species]

**QIAO Qin, EDGER Patrick P., XUE Li, QIONG La, LU Jie, ZHANG Yi-chen, CAO Qiang, YOCCA Alan E., PLATTS Adrian E., KNAPP Steven J., MONTAGU Marc Van, PEER de Yves Van, LEI Jia-jun, ZHANG Ti-cao.** Evolutionary History and Pan-genome Dynamics of Strawberry (*Fragaria* spp.). *Proceedings of the National Academy of Sciences of the United States of America* [J] 118(45, e210543118, Appendix 1): 1-11 (App. 1-28). [E] 2021: [7]. doi: doi:10.1073/pnas.2105431118

**TYPE:** Jia J. Lei EM35 (holotype: YUKU-02074626; isotype: YUKU-02074625)

**CHINA** (Sichuan\*)

**Evidence:** morphology; genomes

*Photinia atropurpurea* P. L. Chiu ex Z. H. Chen & X. F. Jin 黑果石楠 [New Species]

**LEI Zu-pei, CHEN Zheng-hai, ZHENG Fang-dong, MEI Xu-dong, XIE Wen-yuan, JIN Xiao-feng.** *Photinia atropurpurea* (Rosaceae), A New Species of *Photinia* Lindl. from Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(4): 394-397. [C] 2021: [393]. doi: 10.19926/j.cnki.issn.1674-232X.2021.04.010

**TYPE:** Z. H. Chen, Z. P. Lei & W. Y. Xie TS20050316 (holotype: ZM; isotype: ZM); Exped. Pl. Zhejiang 23304 (paratype: HHBG, NAS); Exped. Pl. Zhejiang 23410 (paratype: HHBG, PE, NAS); S. Y. Zhang 6998 (paratype: HZ, PE); S. Y. Zhang 3549 (paratype: HHBG, NAS, PE, JF, IBSC); Z. H. Chen & F. Lin PY19110303 (paratype: ZM); Z. H. Chen, Z. P. Lei & W. Y. Xie TS20050202 (paratype: ZM); s.coll. 24726 (paratype: HHBG, NAS); s.coll. 25034 (paratype: HHBG, NAS); s.coll. 25429 (paratype: HHBG, NAS); s.coll. 23535 (paratype: NAS); Z. H. Chen, Z. P. Lei & W. Y. Xie TS20050315 (paratype: ZM); Z. H. Chen, Z. P. Lei & W. Y. Xie TS20050115 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Photinia chiuana* Z. H. Chen, F. Chen & X. F. Jin 裘氏石楠 [New Species]

**CHEN Zheng-hai, CHEN Lin, CHEN Feng, XIE Wen-yuan, JIN Xiao-fen.** *Photinia chiuana* (Rosaceae), a New Species from China — with Status Confirmation of *Photinia lasiopetala*. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(1): 29-33 (40). [C] 2021: [32]. doi: 10.19926/j.cnki.issn.1674-232X.2021.01.005

**TYPE:** Z. H. Chen, L. Chen & Q. S. Lin QJ19052001 (holotype: ZM; isotype: ZM); Z. H. Chen, L. Chen & Q. S. Lin QJ19052002 (paratype: ZM); Z. H. Chen & Q. S. Lin QJ19082506 (paratype: ZM); Z. H. Chen & Q. S. Lin J19112301 (paratype: ZM); Z. H. Chen & Q. S. Lin QJ19112303 (paratype: ZM); Z. H. Chen, Q. S. Lin & S. L. Zhu QJ19112301 (paratype: ZM); Z. H. Chen, R. H. Wang & S. P. Wang JS19112401 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Photinia griffithii* Decne. [Typification]

**IDREES Muhammad, PATHAK Mitra Lal, ZHANG Zhi-yong, GAO Xin-fen.** Typification of Names in Eriobotrya, Mespilus, Opa and Photinia (Rosaceae). *Phytotaxa* [J] 487(2): 164-170. [E] 2021: [167]. doi: 10.11646/phytotaxa.487.2.7

**TYPE:** Griffith 2087 (lectotype: P-02143170; isolectotype: K-000758185, L-0019505, M-0213887)

**CHINA** (Yunnan\*)

**Evidence:** morphology

*Photinia lasiopetala* Hayata 毛瓣石楠 [New Recognition]

**CHEN Zheng-hai, CHEN Lin, CHEN Feng, XIE Wen-yuan, JIN Xiao-fen.** *Photinia chiuana* (Rosaceae), a New Species from China — with Status Confirmation of *Photinia lasiopetala*. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(1): 29-33 (40). [C] 2021: [31]. doi: 10.19926/j.cnki.issn.1674-232X.2021.01.005

**TYPE:** B. Hayata s.n. (holotype: TI; isotype: IBSC-0004374; PH-00067378)

**CHINA** (Taiwan\*)

**Evidence:** morphology

**S:** *Photinia serrulata* Siebold & Zucc. var. *lasiopetala* (Hayata) K. C. Kuan

*Potentilla sunhangii* D. G. Zhang, Heng C. Wang & T. Deng [New Species]

**ZHANG Hua-Jie, ZHANG Dai-Gui, FENG Tao, LIU Qun, YANG Jing-Yuan, CHEN LI, WANG Heng-Chang, DENG Tao.** A New Species of *Potentilla* (Potentilleae, Rosaceae) from Central China, with Reference to Molecular and Morphological Evidence. *Phytotaxa* [J] 480(2): 185-194. [E] 2021: [188]. doi: 10.11646/phytotaxa.480.2.7

**TYPE:** Q. Liu wlc05 (holotype: KUN-1498244; isotype: KUN-1498245)

**CHINA** (Hubei\*)

**Evidence:** morphology; ITS, trnL-UAA, trnF-GAA

*Pyrus koehnei* C. K. Schneid. f. *roseiflorus* Z. H. Chen, H. F. Xu & F. G. Zhang 粉花柯氏梨 [New Form]

**LEI Zu-pei, LIU Ju-lian, CHEN Lin, ZHANG Fang-gang, XIE Wen-yuan, CHEN Zheng-hai.** New Materials of Rosaceae in Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(3): 274-279. [C] 2021: [277]. doi: 10.19926/j.cnki.issn.1674-232X.2021.03.009

**TYPE:** X. D. Mei, Z. H. Chen & L. Chen JN20032101 (holotype: ZM; isotype: ZM); Z. H. Chen & H. F. Xu JN19031303 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Rosa cymosa* Tratt. var. *puberula* T. T. Yü & T. C. Ku 毛叶小果蔷薇 [New Synonyms]

**CHEN Xiao-rong, ZHANG Fang-gang, XIE Wen-yuan, ZHANG Shui-li, CHEN Zheng-hai.** Notes on the Seed Plant in Zhejiang Province (XII). *Journal of Zhejiang Forestry Science and Technology* [J] 41(5): 86-89. [C] 2021: [87]. doi: 10.3969/j.issn.1001-3776.2021.05.014

**TYPE:** P. C. Tsoong 4229 (holotype: PE-00203303; isotype: PE-00203302)

**CHINA** (Shaanxi\*, Zhejiang)

**Evidence:** morphology

**S:** *Rosa cymosa* Tratt. var. *dapanshanensis* F. G. Zhang (F. G. Zhang 149, holotype: ZM)

*Rosa luciae* Franch. & Roehbr. 光叶蔷薇 [New Synonyms]

**CHEN Xiao-rong, ZHANG Fang-gang, XIE Wen-yuan, ZHANG Shui-li, CHEN Zheng-hai.** Notes on the Seed Plant in Zhejiang Province (XII). *Journal of Zhejiang Forestry Science and Technology* [J] 41(5): 86-89. [C] 2021: [87]. doi: 10.3969/j.issn.1001-3776.2021.05.014

**TYPE:** P. A. L. Savatier s.n. (holotype: A-00032711)

**CHINA** (Zhejiang); JAPAN\*

**Evidence:** morphology

**S:** *Rosa daishanensis* T. C. Ku (L. Q. Qiu & R. L. Lu 9603, holotype: PE-00020702)

*Rosa multiflora* Thunb. 野蔷薇 [New Synonyms]

**CHEN Xiao-rong, ZHANG Fang-gang, XIE Wen-yuan, ZHANG Shui-li, CHEN Zheng-hai.** Notes on the Seed Plant in Zhejiang Province (XII). *Journal of Zhejiang Forestry Science and Technology* [J] 41(5): 86-89. [C] 2021: [88]. doi: 10.3969/j.issn.1001-3776.2021.05.014

**TYPE:** Thunberg s.n. (holotype: ?); Thunberg s.n. (syntype: L-0059750)

**CHINA** (Zhejiang); JAPAN\*

**Evidence:** morphology

**S:** *Rosa uniflora* Buz. subsp. *adenopetala* L. Qian & X. F. Jin (HHBG Exped. 3628, holotype: PE)

*Rubus argutus* Link 尖齿黑莓 [New Record]

**ZHANG Si-yu, CHEN Yong-bing, HUANG Ying, ZHANG Jia-xiang, SHAO Jian-wen.** *Rubus argutus* Link (Rosaceae), a New Recorded Naturalized Plant in China. *Plant Quarantine* [J] 35(2): 68-72. [C] 2021: [68]. doi: 10.19662/j.cnki.issn1005-2755.2020.00.036

**CHINA** (Anhui); [AMERICA]

**Evidence:** morphology

*Rubus chenmouanus* Z. H. Chen, F. G. Zhang & G. K. Chen 陈谋悬钩子 [New Species]

**CHEN Gao-kun, ZHANG Fang-gang, XIE Wen-yuan, CHEN Feng, CHEN Zheng-hai.** *Rubus Chenmouanus* (Rosaceae), a New Species from Zhejiang. *Journal of Wenzhou University (Natural Science Edition)* [J] 42(1): 59-62. [C] 2021: [59]. doi: 10.3875/j.issn.1674-3563.2021.01.008

**TYPE:** Z. H. Chen & F. G. Zhang ZJ19101801 (holotype: ZM; isotype: ZM); Z. H. Chen & G. K. Chen ZJ19090901 (paratype: ZM); Z. H. Chen & G. K. Chen ZJ19090902 (paratype: ZM); Z. H. Chen & G. K. Chen ZJ19090903 (paratype: ZM); Z. H. Chen, G. Y. Li & G. K. Chen ZJ19030701 (paratype: ZM); Z. H. Chen & F. G. Zhang ZJ19101802 (paratype: ZM); Z. H. Chen & F. G. Zhang ZJ19101803 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Rubus linearifoliolus* Hayata f. *semiplenus* Z. P. Lei, W. Y. Xie & Z. H. Chen 重瓣铅山悬钩子 [New Form]

**LEI Zu-pei, LIU Ju-lian, CHEN Lin, ZHANG Fang-gang, XIE Wen-yuan, CHEN Zheng-hai.** New Materials of Rosaceae in Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(3): 274-279. [C] 2021: [278]. doi: 10.19926/j.cnki.issn.1674-232X.2021.03.009

**TYPE:** X. D. Mei, Z. H. Chen & L. Chen JN20032101 (holotype: ZM; isotype: ZM); Z. H. Chen & H. F. Xu JN19031303 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Rubus suichangensis* (P. L. Chiu ex L. Qian & X. F. Jin) Z. H. Chen & Ju L. Liu 遂昌悬钩子 [New Combination]

**LEI Zu-pei, LIU Ju-lian, CHEN Lin, ZHANG Fang-gang, XIE Wen-yuan, CHEN Zheng-hai.** New Materials of Rosaceae in Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(3): 274-279. [C] 2021: [276]. doi: 10.19926/j.cnki.issn.1674-232X.2021.03.009

**TYPE:** Zhejiang Bot. Exped. 25845 (holotype: PE; isotype: HTC)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

**B:** *Rubus sumatranus* Miq. var. *suichangensis* P. L. Chiu ex L. Qian & X. F. Jin

*Rubus suichangensis* (P. L. Chiu ex L. Qian & X. F. Jin) Z. H. Chen & Ju L. Liu 遂昌悬钩子 [New Synonyms]

**LEI Zu-pei, LIU Ju-lian, CHEN Lin, ZHANG Fang-gang, XIE Wen-yuan, CHEN Zheng-hai.** New Materials of Rosaceae in Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(3): 274-279. [C] 2021: [276]. doi: 10.19926/j.cnki.issn.1674-232X.2021.03.009

**TYPE:** Zhejiang Bot. Exped. 25845 (holotype: PE; isotype: HTC)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

**S:** *Rubus tsangii* Merr. var. *suichangensis* (P. L. Chiu ex L. Qian & X. F. Jin) Z. H. Chen & F. Y. Zhang

*Sorbaria kirilowii* (Regel) Maxim. var. *arborea* (C. K. Schneid.) J. H. Song & S. P. Hong [New Combination]

**SONG Jun-ho, HONG Suk-pyo.** A Taxonomic Revision of the Genus *Sorbaria* (Rosaceae) with a New Infrageneric Classification Based on Morphology, Micromorphology, and Palynology. *Phytotaxa* [J] 487(1): 1-25. [E] 2021: [20]. doi: 10.11646/phytotaxa.487.1.1

**TYPE:** Henry 1813 (lectotype: K-00040915); Henry 6458 (syntype: K-000639496); Henry 4705 (syntype: A)

**CHINA** (Hubei\*)

**Evidence:** morphology

**B:** *Sorbaria arborea* C. K. Schneid.

*Sorbaria kirilowii* (Regel) Maxim. var. *dubia* (C. K. Schneid.) J. H. Song & S. P. Hong [New Combination]

**SONG Jun-ho, HONG Suk-pyo.** A Taxonomic Revision of the Genus *Sorbaria* (Rosaceae) with a New Infrageneric Classification Based on Morphology, Micromorphology, and Palynology. *Phytotaxa* [J] 487(1): 1-25. [E] 2021: [22]. doi: 10.11646/phytotaxa.487.1.1

**TYPE:** Pratt 709 (lectotype: K-000639498)

**CHINA** (Sichuan, Xizang, Yunnan)

**Evidence:** morphology

**B:** *Sorbaria sorbifolia* (L.) A. Braun var. *dubia* C. K. Schneid.

*Sorbaria* sect. *Kirilowiana* J. H. Song & S. P. Hong [New Section]

**SONG Jun-ho, HONG Suk-pyo.** A Taxonomic Revision of the Genus *Sorbaria* (Rosaceae) with a New Infrageneric Classification Based on Morphology, Micromorphology, and Palynology. *Phytotaxa* [J] 487(1): 1-25. [E] 2021: [6]. doi: 10.11646/phytotaxa.487.1.1

**TYPE:** *Sorbaria kirilowii* (Regel) Maxim.

**Evidence:** morphology

#### Rubiaceae 茜草科

*Hedyotis howii* G. B. Jiang & R. J. Wang [New Species]

**JIANG Guo-bin, WANG Rui-jiang.** Two New Species of *Hedyotis* L. (Rubiaceae) from Hainan, China. *Nordic Journal of Botany* [J] 39(e02934): 1-8. [E] 2021: [4]. doi: 10.1111/njb.02934

**TYPE:** G. B. Jiang & X. X. Zhou 1133 (holotype: IBSC-0857182; isotype: IBSC); Z. X. Li & F. W. Xing 4107 (paratype: IBSC-0441695, IBSC-0441702); H. Y. Liang 63229 (paratype: IBSC-0441701, PE-00792707); S. K. Lau 27135 (paratype: IBK-00101082, IBSC-0441694, PE-00737110); R. J. Wang & F. Su AP0176 (paratype: IBSC); F. C. How 70141 (paratype: HK-2343; PE-00737111); G. B. Jiang, D. Liang & M. D. Yuan 1510 (paratype: IBSC); G. B. Jiang, D. Liang & M. D. Yuan 1511 (paratype: IBSC); Z. X. Li 2580 (paratype: IBSC-0441696); H. Y. Liang 63021 (paratype: IBSC-0441701); R. J. Wang 5285 (paratype: IBSC)

**CHINA** (Hainan\*)

**IUCN:** LC; **Evidence:** morphology; ITS, petD, rps16, trnH-psbA

*Hedyotis interrupta* G. B. Jiang & R. J. Wang [New Species]

**JIANG Guo-bin, WANG Rui-jiang.** Two New Species of *Hedyotis* L. (Rubiaceae) from Hainan, China. *Nordic Journal of Botany* [J] 39(e02934): 1-8. [E] 2021: [5]. doi: 10.1111/njb.02934

**TYPE:** G. B. Jiang & X. X. Zhou 1136-1 (holotype: IBSC-0857183; isotype: IBSC); G. B. Jiang & X. X. Zhou 1136-2 (paratype: IBSC); K. S. Chow 78389 (paratype: IBSC-441195, PE-00736967); H. Y. Liang 68616 (paratype: IBSC-508048); S. K. Lau 5082 (paratype: IBSC-0508045); H. Y. Liang 62576 (paratype: IBSC-0508049, PE-00737116); H. Y. Liang 62709 (paratype: IBSC-0508046, PE-00737116); H. Y. Liang 62446 (paratype: IBSC-508047, PE-00737115)

**CHINA** (Hainan\*)

**IUCN:** LC; **Evidence:** morphology; ITS, petD, rps16, trnH-psbA

*Hedyotis puberulifolia* Y. D. Xu & R. J. Wang [New Species]

**XU Yi-da, WANG Rui-jiang.** *Hedyotis puberulifolia* (Rubiaceae), a New Species from Guangdong, China. *Phytotaxa* [J] 502(2): 160-168. [E] 2021: [161]. doi: 10.11646/phytotaxa.502.2.4

**TYPE:** R. J. Wang & Y. D. Xu 6230 (holotype: IBSC-0858301; isotype: IBSC-0859880); X. F. Zeng ZXF16000 (paratype: CZH); R. J. Wang & Y. D. Xu 6216 (paratype: IBSC); R. J. Wang & Y. D. Xu 6228 (paratype: IBSC); R. J. Wang & Y. D. Xu 6229 (paratype: IBSC); F. A. McClure 7199 (paratype: SYS); H. G. Ye 4271 (paratype: IBSC); X. F. Zeng ZXF33688 (paratype: CZH); X. F. Zeng ZXF33502 (paratype: CZH); X. G. Li 201048

(paratype: IBSC); H. G. Ye 4115 (paratype: IBSC); X. F. Zeng ZXF7255 (paratype: CZH)

**CHINA** (Guangdong\*)

**IUCN:** LC; **Evidence:** morphology; ITS, petD

*Hedyotis pubirachis* Y. D. Xu & R. J. Wang [New Species]

**XU Yi-da, WANG Rui-jiang.** *Hedyotis pubirachis* (Rubiaceae), a New Species from Guangdong, China. *Nordic Journal of Botany* [J] 39(e03264): 1-6. [E] 2021: [3]. doi: 10.1111/njb.03264

**TYPE:** Y. D. Xu & F. Su AP0147 (holotype: IBSC-0858380; isotype: IBSC-0858379); Z. Huang 41823 (paratype: IBK, IBSC, SYS); Z. Huang 38591 (paratype: IBK, IBSC); K. Liang 69555 (paratype: CANT); Zhanjiang Exped. 4277 (paratype: IBSC); N. Liu & al. 659 (paratype: IBSC); H. G. Ye 6042 (paratype: IBSC); H. G. Ye 6312 (paratype: IBSC); B. Q. Xu & H. F. Yan Xu0031 (paratype: IBSC); D. Liang, Y. D. Xu & G. B. Jiang WP1352 (paratype: IBSC); D. Liang, Y. D. Xu & G. B. Jiang WP1371 (paratype: IBSC); Y. D. Xu & F. Su AP0145 (paratype: IBSC); Y. D. Xu & F. Su AP0146 (paratype: IBSC); Y. D. Xu & F. Su AP0148 (paratype: IBSC)

**CHINA** (Guangdong\*)

**IUCN:** LC; **Evidence:** morphology; ITS, petD, rps16, trnH-psbA, trnL-F

*Nertera granadensis* (Mutis ex L. f.) Druce [Excluded from China]

**CHEN Wei-chih, WANG Chih-chiang, CHANG Kun-cheng.** Re-appraisal of *Nertera* (Rubiaceae) in Taiwan. *PhytoKeys* [J] 182: 83-91. [E] 2021: [90]. doi: 10.3897/phytokeys.182.70685

**COLOMBIA**

**Evidence:** morphology

*Nertera nigricarpa* Hayata [Correction]

**CHEN Wei-chih, WANG Chih-chiang, CHANG Kun-cheng.** Re-appraisal of *Nertera* (Rubiaceae) in Taiwan. *PhytoKeys* [J] 182: 83-91. [E] 2021: [86]. doi: 10.3897/phytokeys.182.70685

**CHINA** (Taiwan)

**Evidence:** morphology

**A:** *Nertera granadensis* auct. non Druce: Liu & Yang, Fl. Taiwan

Second 4: 306. p.p.

*Nertera taiwaniana* Masam. [Correction]

**CHEN Wei-chih, WANG Chih-chiang, CHANG Kun-cheng.** Re-appraisal of *Nertera* (Rubiaceae) in Taiwan. *PhytoKeys* [J] 182: 83-91. [E] 2021: [88]. doi: 10.3897/phytokeys.182.70685

**CHINA** (Taiwan)

**Evidence:** morphology

**A:** *Nertera granadensis* auct. non Druce: Liu & Yang, Fl. Taiwan 2nd 4: 306. p.p.; Chen & Taylor, Fl. China 19: 257. 2011.; *Nertera depressa* auct. non Banks & Sol. ex Gaertn: Yamamoto, Journ. Soc. Trop. Agr. 10: 276. 1938, 12: 24. 1940; Chao, Fl. Taiwan 4: 315. p.p.; W. C. Ko, Fl. Reipubl. Popularis Sin. 71 (2): 164. 1999.

*Ophiorrhiza caudipetala* Deb & Mondal 尾瓣蛇根草 [Correction]

**HU Yan-hua, SONG Xiao-fei, LIU Quan-ru, WU Lei.** Critical Notes on *Ophiorrhiza gracilis* Kurz (Rubiaceae) from China. *Journal of Tropical and Subtropical Botany* [J] 29(6): 678-682. [E] 2021: [679]. doi: 10.11926/jtsb.4248

**TYPE:** C. B. Clarke 44072 (holotype: CAL; isotype: A, BM, E, K-000173151)

**CHINA** (Yunnan); **INDIA**\*

**IUCN**: NT; **Evidence**: morphology

**A**: *Ophiorrhiza gracilis* auct. non Kurz: Luo in Bull. Bot. Res., Harbin 10(2): 77. 1990 & in Fl. Reipubl. Popularis Sin. 71(1): 169. 1999; Chen & Taylor in Fl. China. 19: 269. 2011; Wang & al. Species Catal. China. 1: 1388. 2019.

*Ophiorrhiza caudipetala* Deb & Mondal 尾瓣蛇根草 [New Record]

**HU Yan-hua, SONG Xiao-fei, LIU Quan-ru, WU Lei.** Critical Notes on *Ophiorrhiza gracilis* Kurz (Rubiaceae) from China. *Journal of Tropical and Subtropical Botany* [J] 29(6): 678-682. [E] 2021: [679]. doi: 10.11926/jtsb.4360

**TYPE**: C. B. Clarke 44072 (holotype: CAL; isotype: A, BM, E, K-000173151)

**CHINA** (Yunnan); **INDIA**\*

**IUCN**: NT; **Evidence**: morphology

*Ophiorrhiza nanlingensis* L. Wu & Q. R. Liu [New Species]

**HU Yan-hua, LIU Wen-jian, SONG Xiao-fei, DENG Guo-xing, NAKAMURA Koh, WU Lei, LIU Quan-ru.** A Discussion of the Relationship between *Ophiorrhiza exigua* and *O. michelloides* (Rubiaceae) with the Description of a New Species. *Nordic Journal of Botany* [J] 39(e03138): 1-6. [E] 2021: [2]. doi: 10.1111/njb.03138

**TYPE**: L. Wu 4275 (holotype: BNU; isotype: CSFI, PE); S. S. Meng MS071 (paratype: BNU); L. Wu & al. 8315 (paratype: CSFI); L. Wu & al. 8387(paratype: CSFI); L. Wu & al. 8556 (paratype: CSFI); W. J. Liu & al. ms462 (paratype: CSFI); Mangshan Team ms1575 (paratype: CSFI); L. Deng 5853 (paratype: IBSC); Y. Liu & al. 0088-0091 (paratype: SYS); L. Wu & Y. Tong 3176 (paratype: BNU, CSFI); L. Wu & Y. Tong 3208 (paratype: BNU, CSFI, CSH)

**CHINA** (Hunan, Guangdong\*)

**IUCN**: LC; **Evidence**: morphology

*Ophiorrhiza nonggangensis* Y. F. Deng [New Name]

**DENG Yun-fei.** *Ophiorrhiza nonggangensis*, a Replacement Name for Illegitimate Name *O. loana* (R. J. Wang) Razafim. & Rydin (Rubiaceae). *Phytotaxa* [J] 513(2): 169-170. [E] 2021: [169]. doi: 10.11646/phytotaxa.513.2.9

**TYPE**: R. J. Wang 390 (holotype: IBSC-0742213; isotype: IBSC-0742214, IBSC-0742215, IBSC-0742216, MO-2049205)

**CHINA** (Guangxi\*)

**Evidence**: morphology

**R**: *Spiradiclis loana* R. J. Wang

*Parainvolucrella* R. J. Wang 拟合叶耳草属 [New Genus]

**XU Yi-da, YUAN Ming-deng, WANG Rui-jiang.** Morphology and Molecules Support the New Monotypic Genus *Parainvolucrella* (Rubiaceae) from Asia. *PhytoKeys* [J] 171: 53-64. [E] 2021: [57]. doi: 10.3897/phytokeys.180.67624

**TYPE**: *Parainvolucrella scabra* (Wall. ex Kurz) M. D. Yuan & R. J. Wang

**Evidence**: morphology; ITS, petD, rps16, trnH-psbA, trnL-F

*Parainvolucrella scabra* (Wall. ex Kurz) M. D. Yuan & R. J. Wang 拟合叶耳草 [New Combination]

**XU Yi-da, YUAN Ming-deng, WANG Rui-jiang.** Morphology and Molecules Support the New Monotypic Genus *Parainvolucrella* (Rubiaceae) from Asia. *PhytoKeys* [J] 171: 53-64. [E] 2021: [57]. doi: 10.3897/phytokeys.180.67624

**TYPE**: Wall. Cat. 880 (holotype: CAL; isotype: G-00436284, G-00436285, K-001110148, K-001110149, K-000031881)

**CHINA** (Guangxi); **BANGLADESH, INDIA, MYANMAR\*, THAILAND, VIETNAM**

**Evidence**: morphology; ITS, petD, rps16, trnH-psbA, trnL-F

**B**: *Hedyotis scabra* Wall. ex Kurz

*Parainvolucrella scabra* (Wall. ex Kurz) M. D. Yuan & R. J. Wang 拟合叶耳草 [New Record]

**XU Yi-da, YUAN Ming-deng, WANG Rui-jiang.** Morphology and Molecules Support the New Monotypic Genus *Parainvolucrella* (Rubiaceae) from Asia. *PhytoKeys* [J] 171: 53-64. [E] 2021: [57]. doi: 10.3897/phytokeys.180.67624

**TYPE**: Wall. Cat. 880 (holotype: CAL; isotype: G-00436284, G-00436285, K-001110148, K-001110149, K-000031881)

**CHINA** (Guangxi); **BANGLADESH, INDIA, MYANMAR\*, THAILAND, VIETNAM**

**Evidence**: morphology; ITS, petD, rps16, trnH-psbA, trnL-F

*Spiradiclis detianensis* L. Wu, Y. Feng Huang & Z. J. Wen 德天螺序草 [New Species]

**WEN Zhao-jie, HUANG Yun-fen, HU Yan-hua, NGUYEN Khang Sinh, WU Lei.** *Spiradiclis detianensis* (Rubiaceae, Ophiorrhizeae), a New Species from Southwestern Guangxi, China. *PhytoKeys* [J] 184: 103-110. [E] 2021: [105]. doi: 10.3897/phytokeys.184.69886

**TYPE**: Z. J. Wen & G F. Mou 18033001 (holotype: CSFI-069613; isotype: CSFI, IBK); Z. Q. Nong nzq0004 (paratype: CSFI); Y. S. Huang 9422 (paratype: IBK)

**CHINA** (Guangxi\*)

**IUCN**: LC; **Evidence**: morphology

*Spiradiclis repens* L. Wu & Yan Liu 匍匐螺序草 [New Species]

**LI Jian-ling, YUAN quan, LIU Yan, SONG Xiao-fei, PAN Bo, QU Chen-hui, WU Lei.** Two New Species of *Spiradiclis* (Rubiaceae) from Limestone Areas in Southwestern China. *Nordic Journal of Botany* [J] 39(e02979): 1-8. [E] 2021: [2]. doi: 10.1111/njb.02979

**TYPE**: L. Wu & Z. J. Wen 18040601 (holotype: CSFI; isotype: IBK); H. J. Wei 2007051301 (paratype: IBK); Z. J. Wen WZJ1707031 (paratype: CSFI); Q. Yuan YQ20170731001 (paratype: IBK)

**CHINA** (Guangxi\*)

**IUCN**: EN; **Evidence**: morphology

*Spiradiclis reticulata* L. Wu, Quan Yuan & Jian L. Li 网脉螺序草 [New Species]

**LI Jian-ling, YUAN quan, LIU Yan, SONG Xiao-fei, PAN Bo, QU Chen-hui, WU Lei.** Two New Species of *Spiradiclis* (Rubiaceae) from Limestone Areas in Southwestern China. *Nordic Journal of Botany* [J] 39(e02979): 1-8. [E] 2021: [6]. doi: 10.1111/njb.02979

**TYPE**: M. Q. Han & al. HMQ0002 (holotype: CSFI; isotype: IBK); C. Liu, J. D. Ya & Z. D. Han 19CS17992 (paratype: KUN)

**CHINA** (Yunnan\*)

**IUCN**: EN; **Evidence**: morphology

*Spiradiclis yuanyangensis* Y. S. Chen, L. Wu & C. Liu 元阳螺序草 [New Species]

**WU Lei, LIU Cheng, SONG Xiao-fei, CHEN You-sheng.** *Spiradiclis yuanyangensis* (Rubiaceae), a New Species from



Yunnan, China. *Phytotaxa* [J] 522(4): 294-300. [E] 2021: [295]. doi: 10.11646/phytotaxa.522.4.3

**TYPE:** Y. S. Chen & al. YY1056 (holotype: CSFI-076276; isotype: IBSC); Cheng Liu & al. 20CS19498 (paratype: KUN, CSFI); Cheng Liu & Ming-Jian Feng BC210313 (paratype: KUN, CSFI)

**CHINA** (Yunnan\*)

**IUCN:** CR; **Evidence:** morphology

#### Rutaceae 芸香科

*Berbera unifolia* C. L. Deng & F. J. Mou [New Species]

**DENG Chong-ling, CHEN Chuan-wu, WU Xiao-xiao, CUONG Nguyen Manh, MOU Feng-juan.** *Berbera unifolia* (Rutaceae), a New Species from Guangxi (China) Based on Morphological and Molecular Data. *Annales Botanici Fennici* [J] 58(4-6): 363-376. [E] 2021: [368]. doi: 10.5735/085.058.0423

**TYPE:** F. J. Mou 595 (holotype: SWFC; isotype: SWFC); C. L. Deng & C. W. Chen 001 (paratype: GASC); C. L. Deng & C. W. Chen 002 (paratype: GASC); C. L. Deng & C. W. Chen 003 (paratype: GASC)

**CHINA** (Guangxi\*)

**Evidence:** morphology; ITS, trnL-F, atpB-rbcL, rbcL, matK, psbH-petB, psbA-trnH

*Citrus pubinervia* D. G. Zhang, Zu H. Xiang & Yu Wu 华中枳 [New Species]

**WU Yu, LIU Qun, XIANG Zu-heng, ZHANG Dai-gui.** *Citrus × pubinervia*, a New Natural Hybrid Species from Central China. *Phytotaxa* [J] 523(3): 239-246. [E] 2021: [243]. doi: 10.11646/phytotaxa.523.3.4

**TYPE:** D. G. Zhang 2019041001 (holotype: JIU; isotype: HNU)

**CHINA** (Hunan\*)

**Evidence:** morphology; matK, rbcL-atpB, trnL-trnF, psbA-trnH

#### Sabiaceae 清风藤科

*Meliosma platypoda* Rehder & E. H. Wilson subsp. *jinhuaensis* Z. H. Chen, Jian S. Wang & W. Q. Lin 金华泡花树 [New Subspecies]

**CHEN Feng, WANG Jian-sheng, LIN Wei-qi, XIE Wen-yuan, CHEN Zheng-hai.** The Identity of *Meliosma platypoda* (Sabiaceae) and Its New Subspecies from Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(3): 269-273. [C] 2021: [271]. doi: 10.19926/j.cnki.issn.1674-232X.2021.03.008

**TYPE:** Z. H. Chen, J. S. Wang & W. Q. Lin WC19052303 (holotype: ZM; isotype: ZM); Z. H. Chen, G. Y. Li & W. Q. Lin WC18111801 (paratype: ZM); Z. H. Chen WC19082603 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

#### Salicaceae 杨柳科

*Salix chekiangensis* W. C. Cheng 浙江柳 [New Synonymy]

**LI Gen-you, CHEN Xian-zhi, XIE Wen-yuan, LEI Zu-pei, CHEN Zheng-hai.** New Notes on Seed Plant in East China. *Journal of Zhejiang Forestry Science and Technology* [J] 41(4): 82-85. [C] 2021: [83]. doi: 10.3969/j.issn.1001-3776.2021.04.013

**TYPE:** S. Chen 925 (holotype: PE; isotype: PE-00023831, SZ-00041391)

**CHINA** (Jiangsu, Zhejiang\*)

**Evidence:** morphology

**S:** *Salix nankingensis* Z. Wang & S. L. Tung (Z. H. Pan & al. 51, holotype: NAS-00111886; isotype: NAS-00111887, NAS-00281518)

*Salix mesnyi* Hance var. *tsoongii* (W. C. Cheng) Z. H. Chen, W. Y. Xie & S. Q. Xu 钟氏柳 [New Combination]

**CHEN Zheng-hai, CHEN Feng, XIE Wen-yuan, ZHANG Fen-yao, LI Gen-you.** New Materials in flora of Zhejiang Province (II). *Journal of Zhejiang University (Science Edition)* [J] 48(1): 93-99. [C] 2021: [94]. doi: 10.3785/j.issn.1008-9497.2021.01.013

**TYPE:** P. Chin Tsoong 142 (holotype: PE-00023865; isotype: PE-00023864, PE-00023867, NAS-00070298)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

**B:** *Salix tsoongii* W. C. Cheng

#### Sapindaceae 无患子科

*Acer buergerianum* Miq. 三角槭 [New Synonymy]

**CHEN Zheng-hai, XIE Wen-yuan, CHEN Feng, ZHU Yi-rong, JIN Xiao-feng.** New Notes on *Acer* L. in Zhejiang (II). *Journal of Zhejiang Forestry Science and Technology* [J] 41(3): 69-73. [C] 2021: [70]. doi: 10.3969/j.issn.1001-3776.2021.03.010

**TYPE:** Keiske s.n. (lectotype: L)

**CHINA** (Jiangxi, Zhejiang); **JAPAN\***

**Evidence:** morphology

**S:** *Acer buergerianum* Miq. var. *jiujiangense* Z. X. Yu (Z. X. Yu 8234, holotype: JXAU)

*Acer buergerianum* Miq. var. *horizontale* F. P. Metcalf. 平翅三角槭 [New Synonymy]

**CHEN Zheng-hai, XIE Wen-yuan, CHEN Feng, ZHU Yi-rong, JIN Xiao-feng.** New Notes on *Acer* L. in Zhejiang (II). *Journal of Zhejiang Forestry Science and Technology* [J] 41(3): 69-73. [C] 2021: [70]. doi: 10.3969/j.issn.1001-3776.2021.03.010

**TYPE:** R. C. Ching 1620 (holotype: A; isotype: S, NA)

**CHINA** (Jiangxi, Zhejiang); **JAPAN\***

**Evidence:** morphology

**S:** *Acer buergerianum* Miq. var. *yentangense* W. P. Fang & M. Y. Fang (P. J. Tsoong, holotype: PE; isotype: PE)

*Acer changhuaense* (W. P. Fang & M. Y. Fang) W. P. Fang & P. L. Chiu var. *glabrescens* Z. H. Chen, W. Y. Xie & X. F. Jin 脱毛昌化槭 [New Variety]

**CHEN Zheng-hai, XIE Wen-yuan, CHEN Feng, ZHU Yi-rong, JIN Xiao-feng.** New Notes on *Acer* L. in Zhejiang (II). *Journal of Zhejiang Forestry Science and Technology* [J] 41(3): 69-73. [C] 2021: [73]. doi: 10.3969/j.issn.1001-3776.2021.03.010

**TYPE:** X. F. Jin 4352 (holotype: HTC; isotype: ZM); X. F. Jin 4353 (paratype: HTC)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Acer changhuaense* (W. P. Fang & M. Y. Fang) W. P. Fang & P. L. Chiu var. *trilobum* Z. H. Chen, Y. R. Zhu & X. F. Jin 三裂叶昌化槭 [New Variety]

**CHEN Zheng-hai, XIE Wen-yuan, CHEN Feng, ZHU Yi-rong, JIN Xiao-feng.** New Notes on *Acer* L. in Zhejiang (II). *Journal of Zhejiang Forestry Science and Technology* [J] 41(3):

69-73. [C] 2021: [72]. doi: 10.3969/j.issn.1001-3776.2021.03.010

**TYPE:** Y. R. Zhu & Z. H. Chen WY20092102 (holotype: ZM; isotype: ZM); Z. H. Chen & J. F. Wang LD20090501 (paratype: ZM); Z. H. Chen & J. F. Wang LD20090502 (paratype: ZM); Z. H. Chen & al. WY17052901 (paratype: ZM); Y. R. Zhu & Z. H. Chen WY19032801 (paratype: ZM); Y. R. Zhu & Z. H. Chen WY19032802 (paratype: ZM); Y. R. Zhu & Z. H. Chen WY19032803 (paratype: ZM); Y. R. Zhu & Z. H. Chen WY19032805 (paratype: ZM); Y. R. Zhu & Z. H. Chen WY19032807 (paratype: ZM); Y. R. Zhu & Z. H. Chen WY19032810 (paratype: ZM); Y. R. Zhu & Z. H. Chen WY19050701 (paratype: ZM); Y. R. Zhu & Z. H. Chen WY19050702 (paratype: ZM); Q. Hong L8522-240 (paratype: CSFI)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Acer miaotaiense* P. C. Tsoong subsp. *yangjuechi* (W. P. Fang & P. L. Chiu) P. L. Chiu & Z. H. Chen 羊角槭 [New Combination] **QIU Bao-lin, CHEN Feng, XIE We-yuan, ZHANG Fen-yao, CHEN Zheng-hai.** New Materials of *Acer* L. in Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(1): 34-40. [C] 2021: [35]. doi: 10.19926/j.cnki.issn.1674-232X.2021.01.006

**TYPE:** Forest. Stat., Dept. Forest., Chekiang Agr. Univ. 1529 (holotype: HHBG)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

**B:** *Acer yangjuechi* W. P. Fang & P. L. Chiu

*Acer subtrinervium* F. P. Metcalf. var. *dimorphifolium* (F. P. Metcalf.) Z. H. Chen & W. Y. Xie 两型叶闽江槭 [New Combination]

**CHEN Zheng-hai, XIE Wen-yuan, CHEN Feng, ZHU Yi-rong, JIN Xiao-feng.** New Notes on *Acer* L. in Zhejiang (II). *Journal of Zhejiang Forestry Science and Technology* [J] 41(3): 69-73. [C] 2021: [71]. doi: 10.3969/j.issn.1001-3776.2021.03.010

**TYPE:** S. T. Dunn 2543 (holotype: A)

**CHINA** (Fujian\*)

**Evidence:** morphology

**B:** *Acer dimorphifolium* F. P. Metcalf.

*Acer tataricum* L. subsp. *theiferum* (W. P. Fang) Z. H. Chen & P. L. Chiu 苦茶槭 [New Combination]

**QIU Bao-lin, CHEN Feng, XIE We-yuan, ZHANG Fen-yao, CHEN Zheng-hai.** New Materials of *Acer* L. in Zhejiang. *Journal of Hangzhou Normal University (Natural Science Edition)* [J] 20(1): 34-40. [C] 2021: [35]. doi: 10.19926/j.cnki.issn.1674-232X.2021.01.006

**TYPE:** W. P. Fang 10413 (holotype: HHBG)

**CHINA** (Jiangsu\*)

**Evidence:** morphology

**B:** *Acer theiferum* W. P. Fang

#### Saxifragaceae 虎耳草科

*Chrysosplenium sangzhiense* Hong Liu bis 桑植金腰 [New Species]

**FU Long-fei, YANG Tian-ge, LAN De-qing, WEN Fang, LIU Hong.** *Chrysosplenium sangzhiense* (Saxifragaceae), a New

Species from Hunan, China. *PhytoKeys* [J] 176: 21-32. [E] 2021: [26]. doi: 10.3897/phytokeys.176.62802

**TYPE:** Hong Liu HSN074491 (holotype: HSN; isotype: HSN, IBK)

**CHINA** (Hunan\*)

**IUCN:** LC; **Evidence:** morphology; matK; chromosome

*Saxifraga viridiflora* X. J. Zhang, T. Deng, J. T. Chen & H. Sun 绿花虎耳草 [New Species]

**ZHANG Xin-jian, FU Quan-sheng, CHEN Jun-tong, LI Lijuan, LUO Peng-rui, PENG Jing-yi, HUANG Xian-han, SUN Hang, DENG Tao.** *Saxifraga viridiflora* (Saxifragaceae), an Unusual New Species from Guangxi, China. *PhytoKeys* [J] 184: 19-26. [E] 2021: [20]. doi: 10.3897/phytokeys.184.73421

**TYPE:** X. J. Zhang & D. X. Luo Zhangxj98 (holotype: KUN; isotype: JIU, SYS); X. J. Zhang, L. J. Li, J. Y. Peng & P. R. Luo Deng12030 (paratype: KUN); X. J. Zhang & D. X. Luo Zhangxj99 (paratype: KUN)

**CHINA** (Guangxi\*)

**Evidence:** morphology

#### Solanaceae 茄科

*Solanum pilosus* H. M. Pei 毛龙葵 [New Species]

[nom. inval.]

**PEI Hui-ming.** A New Species of *Solanum* L. *Journal of Gansu Forestry Science and Technology* [J] 46(3): 45-45 (56). [C] 2021: [45]. doi: 10.3969/j.issn.1006-0960.2021.03.011

**TYPE:** H. M. Pei & D. S. Yao 2015-100 (type: GSFS)

**CHINA** (Gansu\*)

**Evidence:** morphology

#### Styracaceae 安息香科

*Styrax buchananii* W. W. Smith [Rediscovery]

**ZHANG Rui, ZHAO Wan-Yi, LIU Yu-Lin, FAN Yu, TANG Ming.** Rediscovery of *Styrax buchananii* and *S. chrysocarpus*, with supplemental descriptions adding fruit and floral characters, respectively. *Phytotaxa* [J] 479(2): 173-182. [E] 2021: [174]. doi: 10.11646/phytotaxa.479.2.3

**TYPE:** E. M. Buchanan 51 (holotype: E-00105737; isotype: E-00105737)

**CHINA** (Yunnan); MYANMAR\*

**IUCN:** DD; **Evidence:** morphology

*Styrax chrysocarpus* H. L. Li [Rediscovery]

**ZHANG Rui, ZHAO Wan-Yi, LIU Yu-Lin, FAN Yu, TANG Ming.** Rediscovery of *Styrax buchananii* and *S. chrysocarpus*, with supplemental descriptions adding fruit and floral characters, respectively. *Phytotaxa* [J] 479(2): 173-182. [E] 2021: [179]. doi: 10.11646/phytotaxa.479.2.3

**TYPE:** H. T. Tsai 62505 (holotype: A-00018412; isotype: IBSC-0454257, KUN, LBG-00098686, NAS-00072204, PE-00027899); H. T. Tsai 62522 (paratype: A, KUN, LBG, PE); H. T. Tsai 62766 (paratype: A, IBSC, KUN, PE)

**CHINA** (Yunnan\*)

**IUCN:** EN; **Evidence:** morphology

*Styrax hwangiae* M. Tang & W. B. Xu 淑美安息香 [New Species]

**XU Wei-Bin, YANG Ping, HUANG Yu-Song, ZHANG Rui, TANG Ming.** *Styrax hwangiae* (Styracaceae), a New Species Endemic to Limestone Areas of Guangxi, China. *Phytotaxa* [J]

478(1): 171-178. [E] 2021: [172]. doi: 10.11646/phytotaxa.478.1.13

**TYPE:** P. Yang & al. BL448 (holotype: IBK; isotype: IBK, JXAU)

**CHINA** (Guangxi\*)

**IUCN:** EN; **Evidence:** morphology

### Theaceae 山茶科

*Camellia fraterna* Hance f. *amoena* D. H. Wu, X. D. Mei & Z. H. Chen 粉花连蕊茶 [New Form]

**YAN Fu-bin, XIE Wen-yuan, WANG Jun-feng, WU Dong-hao, CHEN Xian-xing, CHEN Zheng-hai.** New Materials in Flora of Zhejiang Province (III). *Journal of Zhejiang Forestry Science and Technology* [J] 41(5): 80-85. [C] 2021: [84]. doi: 10.3969/j.issn.1001-3776.2021.05.013

**TYPE:** Z. H. Chen, Y. S. Xie & L. Chen JN21012202 (holotype: ZM; isotype: ZM); Z. H. Chen, L. Chen & M. H. Mao WX21022501 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Camellia luteocalpandria* S. X. Yang & E. D. Liu 云南管蕊茶 [New Species]

**YU Xiang-qin, LIU En-de, LIU Zhen-wen, XIAO Bo, MA Jin-lin, YANG Shi-xiong.** *Camellia luteocalpandria* (Theaceae), a New Species and the First Discovery of sect. *Calpandria* in China. *Phytotaxa* [J] 489(2): 223-228. [E] 2021: [224]. doi: 10.11646/phytotaxa.489.2.11

**TYPE:** S. X. Yang, E. D. Liu, W Fang, J. Zou & C. H. Wang 6415 (holotype: KUN-1498270; isotype: AA, K, KUN, P, PE); E. D. Liu, F. Z. Shangguan & Z. D. Wei LED5150 (paratype: KUN); E. D. Liu & al. LED9293 (paratype: KUN); S. X. Yang, E. D. Liu, W. Fang, J. Zou & C. H. Wang 6416 (paratype: KUN)

**CHINA** (Yunnan\*)

**IUCN:** CR; **Evidence:** morphology

*Pyrenaria jonquieriana* Pierre ex Laness. [New Synonymy]

**YANG Ye-kun, ZHANG Qiong, MA Jin-lin, YANG Shi-xiong.** Taxonomic Treatments of *Pyrenaria jonquieriana* (Theaceae) and Related Taxa. *Phytotaxa* [J] 525(3): 237-242. [E] 2021: [240]. doi: 10.11646/phytotaxa.525.3.6

**TYPE:** D. Harmand 4005 (lectotype: P-00130113; isolectotype: K, P-00130114, P-04510993)

**CHINA** (Hainan, Yunnan); **LAOS\***, **VIETNAM**

**Evidence:** morphology

**S:** *Tutcheria multisevala* Merr. & Chun; *Pyrenaria multisevala* (Merr. & Chun) H. Keng; *Parapyrenaria multisevala* (Merr. & Chun) Hung T. Chang; *Pyrenaria jonquieriana* Pierre ex Laness. subsp. *multisevala* (Merr. & Chun) S. X. Yang (H. Y. Liang 61513, holotype: NY-00385759; isotype: A-00025128, IBSC-0003766; IBSC-0003765, K, PE-00888160); *Pyrenaria poilaneana* Gagnep. (E. Poilane 29937, lectotype: P-00130111; isolectotype: P-04511092, P-04511094); *Parapyrenaria hainanensis* Hung T. Chang (P. Tsang H6, holotype: SYS-00095081); *Parapyrenaria indochinensis* Hung T. Chang (E. Poilane 6814, holotype: PE-01858750; isotype: P-04511081, K, VNM-00003690); *Camellia luuana* Orel & Curry (H. T. Luu, Q. D. Nguyen & T. Q. T. Nguyen TD 391, holotype: NSW-901733)

*Pyrenaria jonquieriana* Pierre ex Laness. [Typification]

**YANG Ye-kun, ZHANG Qiong, MA Jin-lin, YANG Shi-xiong.** Taxonomic Treatments of *Pyrenaria jonquieriana* (Theaceae) and

Related Taxa. *Phytotaxa* [J] 525(3): 237-242. [E] 2021: [240]. doi: 10.11646/phytotaxa.525.3.6

**TYPE:** D. Harmand 4005 (lectotype: P-00130113; isolectotype: K, P-00130114, P-04510993)

**CHINA** (Hainan, Yunnan); **LAOS\***, **VIETNAM**

**Evidence:** morphology

### Thymelaeaceae 瑞香科

*Wikstroemia gaomushanensis* (Zi L. Chen, Pan Wang & Y. F. Lu) Y. F. Lu & X. F. Jin 高姥山堯花 [New Combination]

**LU Yi-fei, CHEN Lin, LIN Feng, CHEN Zheng-hai, JIN Xiao-feng.** Nomenclatural Novelties in Wikstroemia (Thymelaeaceae) of Zhejiang, China. *Taiwania* [J] 66(4): 427-432. [E] 2021: [430]. doi: 10.6165/tai.2021.66.427

**TYPE:** Z. L. Chen & P. Wang 2017050601 (holotype: HTC; isotype: HTC, ZM)

**CHINA** (Zhejiang\*)

**IUCN:** DD; **Evidence:** morphology

**B:** *Daphne gaomushanensis* Zi L. Chen, Pan Wang & Y. F. Lu

*Wikstroemia* sect. *Zhejiangenses* Y. F. Lu, Z. H. Chen & X. F. Jin [New Section]

**LU Yi-fei, CHEN Lin, LIN Feng, CHEN Zheng-hai, JIN Xiao-feng.** Nomenclatural Novelties in Wikstroemia (Thymelaeaceae) of Zhejiang, China. *Taiwania* [J] 66(4): 427-432. [E] 2021: [428]. doi: 10.6165/tai.2021.66.427

**TYPE:** *Wikstroemia zhejiangensis* Y. F. Lu, Z. H. Chen & X. F. Jin

**Evidence:** morphology

*Wikstroemia zhejiangensis* Y. F. Lu, Z. H. Chen & X. F. Jin 浙江堯花 [New Species]

**LU Yi-fei, CHEN Lin, LIN Feng, CHEN Zheng-hai, JIN Xiao-feng.** Nomenclatural Novelties in Wikstroemia (Thymelaeaceae) of Zhejiang, China. *Taiwania* [J] 66(4): 427-432. [E] 2021: [428]. doi: 10.6165/tai.2021.66.427

**TYPE:** X. F. Jin & Y. F. Lu 4630 (holotype: ZM; isotype: HTC, ZM)

**CHINA** (Zhejiang\*)

**IUCN:** DD; **Evidence:** morphology

### Urticaceae 荨麻科

*Capsulea* Yong Wang tetrakis 蒴果麻属 [New Genus] [ineffective]

**WANG Yong.** *Capsulea* Y. Wang, a New Genus of Urticaceae from Shaanxi Province, China. *Bulletin of Botanical Research* [J] 41(1): 1-3. [C] 2021: [1]. doi: 10.7525/j.issn.1673-5102.2021.05.003

**TYPE:** *Capsulea bashanensis* Yong Wang tetrakis

**Evidence:** morphology

*Capsulea bashanensis* Yong Wang tetrakis 蒴果麻 [New Species] [ineffective]

**WANG Yong.** *Capsulea* Y. Wang, a New Genus of Urticaceae from Shaanxi Province, China. *Bulletin of Botanical Research* [J] 41(1): 1-3. [C] 2021: [2]. doi: 10.7525/j.issn.1673-5102.2021.01.001

**TYPE:** Yong Wang 16098 (holotype: HZTC; Isotype: PE)

**CHINA** (Shaanxi\*)

**Evidence:** morphology

*Elatostema chinense* U. B. Deshmukh [New Name]  
[nom. illeg.]

**DESHMUKH Umakant B.** *Elatostema chinense*, a New Name for *Elatostema longipedunculatum* (W. T. Wang) Y. H. Tseng & A. K. Monro (Urticaceae). *Key Bulletin* [J] 76(1): 61-62. [E] 2021: [61]. doi: 10.1007/S12225-021-09925-8

**TYPE:** S. C. Chen 4918 (holotype: IBSC)

**CHINA** (Guangxi\*); **VIETNAM**

**Evidence:** morphology

**R:** *Pellionia longipedunculata* W. T. Wang

*Elatostema qinzhouense* L. F. Fu, A. K. Monro & Y. G. Wei 钦州楼梯草 [New Species]

**Fu Long-fei, Monro Alexandre K., Yang Tian-ge, Wen Fang, Pan Bo, Xin Zi-bing, Zhang Zhi-xiang, Wei Yi-gang.** *Elatostema qinzhouense* (Urticaceae), a New Species from Limestone Karst in Guangxi, China. *PeerJ* [J] 9(e11148): 1-16. [E] 2021: [5]. doi: 10.7717/peerj.11148

**TYPE:** B. Pan & H. S. Ma P1184 (holotype: IBK-00426150; isotype: K-000798321); B. Pan & H. S. Ma P1184 (paratype: BJFC, CSH, PE)

**CHINA** (Guangxi\*)

**IUCN:** CR; **Evidence:** morphology; ITS, trnH-psbA, psbM-trnD

*Elatostema* ser. *Xingyiensia* L. D. Duan & D. H. Yin [New Series]

**YIN Dan-hong, HUANG Teng-fei, LU Zhen, DUAN Lin-dong.** A New Species and a New Series of *Elatostema* (Urticaceae) from South-western China. *PhytoKeys* [J] 180: 65-71. [E] 2021: [66]. doi: 10.3897/phytokeys.176.65443

**TYPE:** *Elatostema xingyiense* L. D. Duan & D. H. Yin

**Evidence:** morphology

*Elatostema xingyiense* L. D. Duan & D. H. Yin 兴义楼梯草 [New Species]

**YIN Dan-hong, HUANG Teng-fei, LU Zhen, DUAN Lin-dong.** A New Species and a New Series of *Elatostema* (Urticaceae) from South-western China. *PhytoKeys* [J] 180: 65-71. [E] 2021: [67]. doi: 10.3897/phytokeys.180.65813

**TYPE:** L. D. Duan & Z. Lu 6118 (holotype: HUSY; isotype: HNNU, PE, HUSY)

**CHINA** (Guizhou\*)

**IUCN:** EN; **Evidence:** morphology

*Pellionia jinyunensis* C. Xiong, F. Chen & H. P. Deng 缙云赤车 [New Species]

**XIONG Chi, CHEN Feng, LÜ Xin-yun, DENG Hong-ping.** A New Species of Urticaceae from Chongqing — *Pellionia jinyunensis* C. Xiong, F. Chen & H. P. Deng. *Acta Botanica Boreali-Occidentalia Sinica* [J] 41(3): 523-532. [C] 2021: [525]. doi: 10.7606/j.issn.1000-4025.2021.03.0523

**TYPE:** C. Xiong, F. Chen JYS-105 (holotype: SWNTU); C. Xiong 21004 (paratype: CQNM)

**CHINA** (Chongqing\*)

**Evidence:** morphology; ITS

**Violaceae 堇菜科**

*Viola huizhouensis* Y. S. Huang & Q. Fan 惠州堇菜 [New Species]

**HUANG Yan-shuang, KANG Ning, ZHONG Xiang-jing, LIAO Wen-bo, FAN Qiang.** A New Species of *Viola* (Violaceae)

from Guangdong Province, China. *PhytoKeys* [J] 176: 67-76. [E] 2021: [70]. doi: 10.3897/phytokeys.176.65443

**TYPE:** Y. S. Huang & Q. Fan 1803 (holotype: SYS; isotype: IBSC, SYS)

**CHINA** (Guangdong\*)

**Evidence:** morphology

**Vitaceae 葡萄科**

*Causonis cardiospermoides* (Planch. ex Franch.) G. Parmar & L. M. Lu [New Combination]

**PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min.** Phylogeny, Character Evolution and Taxonomic Revision of *Causonis*, a Segregate Genus from *Cayratia* (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1204]. doi: 10.1002/tax.12562

**TYPE:** J. M. Delavay 1816 (lectotype: P-00697950; isolectotype: A-00299947, P-02904115)

**CHINA** (Sichuan, Yunnan\*)

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Ampelopsis cardiospermoides* Planch. ex Franch.

*Causonis cardiospermoides* (Planch. ex Franch.) G. Parmar & L. M. Lu [Typification]

**PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min.** Phylogeny, Character Evolution and Taxonomic Revision of *Causonis*, a Segregate Genus from *Cayratia* (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1204]. doi: 10.1002/tax.12562

**TYPE:** J. M. Delavay 1816 (lectotype: P-00697950; isolectotype: A-00299947, P-02904115)

**CHINA** (Sichuan, Yunnan\*)

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

*Causonis ciliifera* (Merr.) G. Parmar & L. M. Lu [New Combination]

**PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min.** Phylogeny, Character Evolution and Taxonomic Revision of *Causonis*, a Segregate Genus from *Cayratia* (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1204]. doi: 10.1002/tax.12562

**TYPE:** V. M. Chu 42 (holotype: UC-373863)

**CHINA** (Hainan\*); **VIETNAM**

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Columella ciliifera* Merr.

*Causonis corniculata* (Benth.) J. Wen & L. M. Lu [Typification]

**PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min.** Phylogeny, Character Evolution and Taxonomic Revision of *Causonis*, a Segregate Genus from *Cayratia* (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1206]. doi: 10.1002/tax.12562

**TYPE:** C. Wilford 385 (lectotype: K-000736422; isolectotype: GH-00299958!, K-000736421)

**CHINA** (Hong Kong\*)

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

*Causonis daliensis* (C. L. Li) G. Parmar & L. M. Lu [New Combination]

PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min. Phylogeny, Character Evolution and Taxonomic Revision of Causonis, a Segregate Genus from Cayratia (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1207]. doi: 10.1002/tax.12562

**TYPE:** H. Li & al. 1089 (holotype: KUN-0459771; isotype: KUN-0459772)

**CHINA** (Yunnan\*); INDONESIA, MALAYSIA, VIETNAM

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Cayratia daliensis* C. L. Li

*Causonis fugongensis* (C. L. Li) G. Parmar & L. M. Lu [New Combination]

PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min. Phylogeny, Character Evolution and Taxonomic Revision of Causonis, a Segregate Genus from Cayratia (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1207]. doi: 10.1002/tax.12562

**TYPE:** Qinghai-Xizang Exped. 6916 (holotype: KUN-0459744; isotype: PE-01128778, PE-01128779)

**CHINA** (Yunnan\*); MYANMAR

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Cayratia fugongensis* C. L. Li

*Causonis glauca* G. Parmar & Z. D. Chen [New Species]

PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min. Phylogeny, Character Evolution and Taxonomic Revision of Causonis, a Segregate Genus from Cayratia (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1208]. doi: 10.1002/tax.12562

**TYPE:** Z. D. Chen & al. VN146 (holotype: PE-02345121; isotype: PE-02345122, PE-02345123, PE-02345124)

**CHINA** (Guangxi, Hainan,); MYANMAR, VIETNAM\*

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

*Causonis japonica* (Thunb.) Raf. var. *pseudotrifolia* (W. T. Wang) G. Parmar & J. Wen [New Combination]

PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min. Phylogeny, Character Evolution and Taxonomic Revision of Causonis, a Segregate Genus from Cayratia (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1210]. doi: 10.1002/tax.12562

**TYPE:** T. Dai 101154 (holotype: PE-00935436; isotype: IBK-00106245, IBK-00106246)

**CHINA** (Chongqing\*, Gansu, Guangdong, Guizhou, Hebei, Hubei, Hunan, Jiangxi, Shaanxi, Sichuan, Yunnan, Zhejiang)

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Cayratia pseudotrifolia* W. T. Wang

*Causonis medogensis* (C. L. Li) G. Parmar & L. M. Lu [New Combination]

PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min. Phylogeny, Character Evolution and Taxonomic Revision of Causonis, a Segregate Genus from Cayratia (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1211]. doi: 10.1002/tax.12562

**TYPE:** P. S. Li & S. Z. Chen 04914 (lectotype: PE-00686908; isolectotype: PE-00686903, PE-02077756, PE-02077757)

**CHINA** (Xizang\*)

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Cayratia medogensis* C. L. Li

*Causonis medogensis* (C. L. Li) G. Parmar & L. M. Lu [Typification]

PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min. Phylogeny, Character Evolution and Taxonomic Revision of Causonis, a Segregate Genus from Cayratia (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1211]. doi: 10.1002/tax.12562

**TYPE:** P. S. Li & S. Z. Chen 04914 (lectotype: PE-00686908; isolectotype: PE-00686903, PE-02077756, PE-02077757)

**CHINA** (Xizang\*)

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

*Causonis mollis* (Wall. ex M. A. Lawson) G. Parmar & J. Wen [New Combination]

PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min. Phylogeny, Character Evolution and Taxonomic Revision of Causonis, a Segregate Genus from Cayratia (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1211]. doi: 10.1002/tax.12562

**TYPE:** F. de Silva Wall. Cat. 6025 (lectotype: K-001122839; isolectotype: E-00393050, K-001089965)

**CHINA** (Guangdong, Guangxi, Hainan); BANGLADESH\*, INDIA, LAOS, MYANMAR, THAILAND

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Vitis mollis* Wall. ex M. A. Lawson

*Causonis tenuifolia* (Wight & Arn.) G. Parmar & L. M. Lu [New Combination]

PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min. Phylogeny,

Character Evolution and Taxonomic Revision of *Causonis*, a Segregate Genus from *Cayratia* (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1213]. doi: 10.1002/tax.12562

**TYPE:** B. Heyne Wall. Cat. 6022.A (lectotype: K-001122834; isolectotype: E-00174267, K-000736411, K-001122836)

**CHINA** (Taiwan); **INDIA\***, **THAILAND**

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Vitis tenuifolia* Wight & Arn.

*Causonis timoriensis* (DC.) L. M. Lu & V. C. Dang [New Combination]

**PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min.** Phylogeny, Character Evolution and Taxonomic Revision of *Causonis*, a Segregate Genus from *Cayratia* (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1213]. doi: 10.1002/tax.12562

**TYPE:** Anon. s.n. (holotype: G-00205274)

**CHINA** (Yunnan); **TIMOR-LESTE\***

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Cissus timoriensis* DC.

*Causonis timoriensis* (DC.) L. M. Lu & V. C. Dang var. *mekongensis* (C. Y. Wu ex W. T. Wang) G. Parmar & L. M. Lu [New Combination]

**PARMAR Gaurav, DANG Viet-cuong, RABARIJAONA Romer Narindra, CHEN Zhi-duan, JACKES Betsy R., BARRETT Russell L., ZHANG Zhu-zhi, NIU Yan-ting, TRIAS-BLASI Anna, WEN Jun, LU Li-min.** Phylogeny, Character Evolution and Taxonomic Revision of *Causonis*, a Segregate Genus from *Cayratia* (Vitaceae). *Taxon* [J] 70(6): 1188-1218. [E] 2021: [1214]. doi: 10.1002/tax.12562

**TYPE:** C. W. Wang 77936 (holotype: PE-00935431; isotype: A-00098307, PE-00935432, PE-00935433)

**CHINA** (Yunnan\*)

**Evidence:** morphology; atpB-rbcL, trnC-petN, trnHpsbA, trnL-F, AS1, At103, ITS

**B:** *Cayratia mekongensis* C. Y. Wu ex W. T. Wang

*Vitis adenoclada* Hand.-Mazz. [New Recognition]

**WEN Jun, MA Zhi-yao.** On the Recognition of the Long Neglected *Vitis adenoclada* Hand.-Mazz. (Vitaceae) from Southern China. *PhytoKeys* [J] 179: 29-33. [E] 2021: [30]. doi: 10.3897/phytokeys.179.65519

**TYPE:** H. Handel-Mazzetti 11819 (holotype: WU-0029734; isotype: K-000574937)

**CHINA** (Guangdong, Guangxi, Guizhou, Hunan\*, Zhejiang)

**Evidence:** morphology

**S:** *Vitis heyneana* Roem. & Schult.

*Vitis amoena* Z. H. Chen, F. Chen & W. Y. Xie 秀丽葡萄 [New Species]

**XIE Wen-yuan, CHEN Feng, CHEN Zheng-hai.** New Materials of *Vitis* L. in Zhejiang. *Guihaia* [J] 41(8): 1391-1400. [C] 2021: [1395]. doi: 10.11931/guihaia.gxzw201909046

**TYPE:** Z. H. Chen QJ17061510 (holotype: ZM; isotype: ZM); Z. H. Chen CA170517-23 (paratype: ZM); Z. H. Chen & S. W. Chen KH19081401 (paratype: ZM); Z. H. Chen & S. W. Chen KH19081403 (paratype: ZM); Z. H. Chen & S. W. Chen

KH19081406 (paratype: ZM); Z. H. Chen QJ17061503 (paratype: ZM); Z. H. Chen QJ17061509 (paratype: ZM); Z. H. Chen & Q. S. Lin QJ19082502 (paratype: ZM); Z. H. Chen, J. S. Wang & W. Q. Lin WC19052301 (paratype: ZM); Z. H. Chen, Z. L. Chen & J. F. Chen PA19062101 (paratype: ZM); Z. H. Chen, Z. L. Chen & J. F. Chen PA19062102 (paratype: ZM); Z. H. Chen, Z. L. Chen & J. F. Chen PA19080703 (paratype: ZM); Z. H. Chen, Z. L. Chen & J. F. Chen PA19062104 (paratype: ZM); Z. H. Chen, Z. L. Chen & P. Wang PA19080701 (paratype: ZM); Z. H. Chen, Z. L. Chen & P. Wang PA19080702 (paratype: ZM); Z. H. Chen, Z. L. Chen & P. Wang PA19080703 (paratype: ZM); Z. H. Chen PA19090101 (paratype: ZM); Z. H. Chen PA190102 (paratype: ZM); Z. H. Chen & al. 04 (paratype: ZM); Z. Z. Zhang & W. G. Ye TT19052904 (paratype: ZM); J. F. Wang & X. D. Mei LD19070701 (paratype: ZM); Z. H. Chen & F. G. Zhang Zhang162 (paratype: ZM); H. Chen & al. LQFYS180721-07 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Vitis heyneana* Roem. & Schult. var. *adenoclada* (Hand.-Mazz.) Z. H. Chen, F. Chen & W. Y. Xie 腺枝毛葡萄 [New Combination]

**XIE Wen-yuan, CHEN Feng, CHEN Zheng-hai.** New Materials of *Vitis* L. in Zhejiang. *Guihaia* [J] 41(8): 1391-1400. [C] 2021: [1399]. doi: 10.11931/guihaia.gxzw201909046

**TYPE:** H. Hand.-Mazz. 11819 (holotype: WU-0029734)

**CHINA** (Hunan\*)

**Evidence:** morphology

*Vitis kaihuaica* Z. H. Chen, F. Chen & W. Y. Xie 开化葡萄 [New Species]

**XIE Wen-yuan, CHEN Feng, CHEN Zheng-hai.** New Materials of *Vitis* L. in Zhejiang. *Guihaia* [J] 41(8): 1391-1400. [C] 2021: [1392]. doi: 10.11931/guihaia.gxzw201909046

**TYPE:** Z. H. Chen, L. Chen & J. L. Hong KH19081506 (holotype: ZM; isotype: ZM); Z. H. Chen & S. W. Chen KH19081405 (paratype: ZM); Z. H. Chen & S. W. Chen KH19081407 (paratype: ZM); Z. H. Chen & F. Chen KHKT181014-01 (paratype: ZM); Z. H. Chen & Y. M. Wang KH19052202 (paratype: ZM); Z. H. Chen & F. G. Zhang Zhang1059 (paratype: ZM); Z. H. Chen & Y. M. Wang KH19052201 (paratype: ZM); Z. H. Chen, L. Chen & J. L. Hong KH19081508 (paratype: ZM); Z. H. Chen, L. Chen & J. L. Hong KH19081508 (paratype: ZM); S. H. Yao Yao-01 (paratype: ZM); Z. H. Chen s.n. (paratype: ZM); S. Y. Zhang 5283 (paratype: HHBG, KUN, PE, WUK, HTC); Z. H. Chen, X. D. Mei & J. Lin JN19070411 (paratype: ZM); Z. H. Chen, X. D. Mei & J. Lin JN19070412 (paratype: ZM); Z. H. Chen, X. D. Mei & J. Lin JN19070413 (paratype: ZM); Z. H. Chen & F. Chen JXWY181011-01 (paratype: ZM)

**CHINA** (Jiangxi, Zhejiang\*)

**Evidence:** morphology

*Vitis longquanensis* P. L. Chiu var. *glandulosa* Z. H. Chen, F. Chen & W. Y. Xie 腺枝龙泉葡萄 [New Variety]

**XIE Wen-yuan, CHEN Feng, CHEN Zheng-hai.** New Materials of *Vitis* L. in Zhejiang. *Guihaia* [J] 41(8): 1391-1400. [C] 2021: [1399]. doi: 10.11931/guihaia.gxzw201909046

**TYPE:** Z. H. Chen & J. P. Zhong QJ17061511 (holotype: ZM; isotype: ZM); L. Chen & Q. S. Lin QJ19052104 (ZM); Z. H. Chen & Q. S. Lin QJ19082503 (paratype: ZM)

**CHINA** (Zhejiang\*)

**Evidence:** morphology

*Vitis shizishanensis* Z. Y. Ma, J. Wen, Q. Fu & X. Q. Liu 狮子山葡萄 [New Species]

**MA Zhi-yao, WEN Jun, FU Qiang, LIU Xiu-qun.** *Vitis shizishanensis*, a New Species of the Grape Genus from Hubei province, China. *PhytoKeys* [J] 184: 45-54. [E] 2021: [47]. doi: 10.3897/phytokeys.184.70045

**TYPE:** X. Q. Liu 755 (holotype: CCAU; isotype: CCAU, US)

**CHINA** (Hubei\*)

**Evidence:** morphology

**Zingiberaceae 姜科**

*Alpinia calcicola* Q. B. Nguyen & M. F. Newman 灰岩山姜 [New Record]

**YE Yu-shi, HUANG Xiang-xu, CHEN Juan.** *Alpinia calcicola* Q. B. Nguyen & M. F. Newman, a Newly Recorded Species of *Alpinia* (Zingiberaceae) from China. *Journal of Tropical and Subtropical Botany* [J] 29(3): 328-330. [C] 2021: [328]. doi: 10.11926/jtsb.4303

**TYPE:** T. H. Nguyen & K. Ruth NTH 4220 (holotype: HN; isotype: SING)

**CHINA** (Yunnan); VIETNAM\*

**Evidence:** morphology

*Alpinia laosensis* Gagnep. [Correction]

**YE Xing-er, NGUYEN Khang Sinh, SOUVANNAKHOUUMANE Keoudone, NGUYEN Quoc Binh, CHEN Juan.** *Alpinia laosensis*, the Correct Name for a Species Previously Misidentified as *A. conchigera*. *Phytotaxa* [J] 508(2): 129-141. [E] 2021: [133]. doi: 10.11646/phytotaxa.508.1.9

**TYPE:** Pavie 18 (holotype: P-032692)

**CHINA** (Yunnan); LAOS\*

**Evidence:** morphology

**A:** *Alpinia conchigera* auct. non Griff.: T. L. Wu & S. J. Chen, *Acta Phytotaxonomica Sinica* 16: 36. 1978; T. L. Wu & S. J. Chen, *Flora Reipublicae Popularis Sinicae*, Vol. 16: 97. 1981; S. Q. Tong, *Flora Yunnanica*, Vol. 8: 613. 1997; T. L. Wu & K. Larsen, *Flora of China*, Vol. 24: 336. 2000.

*Amomum arunachalense* Hareesh & M. Sabu [New Species]

**HAREESH Vadakkoot Sankaran, BORAH Dipankar, SABU Mamiyil.** *Amomum arunachalense* (Zingiberaceae), a New Species from Northeastern India. *Annales Botanici Fennici* [J] 58(1-3): 69-72. [E] 2021: [69]. doi: 10.5735/085.058.0111

**TYPE:** V. S. Hareesh 152689 (holotype: MBGH; isotype: CAL)

**CHINA** (Xizang\*)

**Evidence:** morphology

*Amomum fangdingii* X. E. Ye, Škorničk. & N. H. Xia 方鼎豆蔻 [New Species]

**YE Xing-er, LEONG-ŠKORNIČKOVÁ Jana, BAI Lin, XIA Nian-he.** Taxonomic Studies on *Amomum* (Zingiberaceae) in China III: *Amomum fangdingii*, a New Species from Guangxi. *Phytotaxa* [J] 490(3): 263-270. [E] 2021: [264]. doi: 10.11646/phytotaxa.490.3.4

**TYPE:** X. E. Ye 127 (holotype: IBSC; isotype: GXMI, SING); H. N. Qin & al. 573 (paratype: IBSC-0721065); D. Fang 36914 (paratype: GXMI-044994); X. P. Liao & D. Fang 36966 (paratype: GXMI-044986); S. H. Chun 12410 (paratype: IBK-00137357,

IBSC-0022012, KUN-0334839, PE-00074505); X. P. Liao & D. Fang 76611 (paratype: GXMI-044983); X. P. Liao & D. Fang 76612 (paratype: GXMI-044985); H. Y. Liang 70079 (paratype: IBSC-00220051, IBK-00137356, PE-00074508); W. T. Tsang 26820 (paratype: IBSC-0022004); Dayaoshan Exped. 13784 (I paratype: BK-00194960); X. C. Huang 7661 (paratype: GXMG); J. B. Ni & J. Chen 061008 (paratype: IBSC); X. E. Ye yxe-160 (paratype: IBSC); S. S. Sin 128 (paratype: IBSC-0022011); South Medicine Group 16 (paratype: PE-00074507, PE-00074508, PE-00074509); X. Q. Deng 73109 (paratype: GXMI-044989); D. Fang 17715 (paratype: GXMI-044982, GXMI-044988, PE-00033185); D. Fang 17716 (paratype: GXMI-044984); D. Fang 17714 (paratype: GXMI-044991); D. H. Qin & M. X. Lai 17924 (paratype: GXMI-044992); D. H. Qin & M. X. Lai 17933 (paratype: GXMI-044993); X. Q. Deng & Y. Wang 17693 (paratype: GXMI044987); D. Fang 35973 (paratype: GXMI-044990)

**CHINA** (Guangxi\*)

**IUCN:** LC; **Evidence:** morphology

*Amomum xizangense* L. Fu, Jian P. Huang & Y. S. Ye 墨脱豆蔻 [New Species]

**FU Lin, HUANG Jian-ping, WU Xing, DU Zhi-jian, LIN Ling, YE Yu-shi.** *Amomum xizangense* (Zingiberaceae), a New Species from Xizang, China. *Phytotaxa* [J] 525(3): 232-236. [E] 2021: [232]. doi: 10.11646/phytotaxa.525.3.5

**TYPE:** Y. S. Ye 5644 (holotype: IBSC); Qinghai-Xizang Exped. 1700 (paratype: KUN-0424111); Eco-plateau Group 11020 (paratype: PE-01376860); B. S. Li & S. Z. Cheng 03552 (paratype: PE-01376861, PE-01376862); H. Sun & al. (ETM) 0312 (paratype: KUN-0424112, KUN-0424113)

**CHINA** (Xizang\*)

**IUCN:** EN; **Evidence:** morphology

*Curcuma ruliensis* N. H. Xia & Juan Chen 瑞丽莪术 [New Species]

**CHEN Juan, YE Yu-shi, XIA Nian-he.** *Curcuma ruliensis* (Zingiberaceae), a New Species from Yunnan, China. *Nordic Journal of Botany* [J] 39(e02910): 1-7. [E] 2021: [2]. doi: 10.1111/njb.02910

**TYPE:** Chen Juan & al. 17082304 (holotype: IBSC; isotype: KUN, PE)

**CHINA** (Yunnan\*)

**IUCN:** DD; **Evidence:** morphology; chromosome

*Globba ruliensis* X. D. Ma, W. G. Wang & J. Y. Shen 瑞丽舞花姜 [New Species]

**MA Xing-da, WANG Wen-guang, GONG Qiang-bang, XU Gui-hua, SHI Ji-pu, SHEN Jian-yong.** *Globba ruliensis*, a New Species of Zingiberaceae from Yunnan, China. *Taiwania* [J] 66(1): 31-34. [E] 2021: [31]. doi: 10.6165/tai.2021.66.31

**TYPE:** J. Y. Shen, W. G. Wang & X. D. Ma 1666 (holotype: HITBC; isotype: HIB, HITBC, KUN)

**CHINA** (Yunnan\*)

**IUCN:** EN; **Evidence:** morphology

*Hedychium hookeri* C. B. Clarke ex Baker [New Record]

**BAI Lin, HU Xiu, HE Jiang-hai, TIAN Zhong-cheng.** New Records of *Hedychium hookeri* (Zingiberaceae) from China and Myanmar. *Phytotaxa* [J] 494(2): 237-243. [E] 2021: [238]. doi: 10.11646/phytotaxa.494.2.7

**TYPE:** J. D. Hooker & T. Thomson 1350 (lectotype: K-000640478; isolectotype: K-000640479)  
**CHINA** (Yunnan); **INDIA\***, **MYANMAR**  
**Evidence:** morphology

**Hedychium hookeri** C. B. Clarke ex Baker [**Typification**]  
**BAI Lin, HU Xiu, HE Jiang-hai, TIAN Zhong-cheng.** New Records of *Hedychium hookeri* (Zingiberaceae) from China and Myanmar. *Phytotaxa* [J] 494(2): 237-243. [E] 2021: [238]. doi: 10.11646/phytotaxa.494.2.7  
**TYPE:** J. D. Hooker & T. Thomson 1350 (lectotype: K-000640478; isolectotype: K-000640479)  
**CHINA** (Yunnan); **INDIA\***, **MYANMAR**  
**Evidence:** morphology

**Hedychium mechukanum** M. Sabu & Hareesh [**New Species**]  
**SABU M., HAREESH V. S.** *Hedychium mechukanum* (Zingiberaceae), a New Species from the Eastern Himalayas, India. *The Gardens' Bulletin Singapore* [J] 72(2): 291-297. [E] 2021: [292]. doi: 10.26492/gbs72(1).2020-12  
**TYPE:** M. Sabu & V. S. Hareesh 158761 (holotype: MBGH; isotype: CAL)  
**CHINA** (Xizang\*)  
**IUCN:** DD; **Evidence:** morphology

**Zingiber calcicola** Y. H. Tan & H. B. Ding [**New Species**]  
**DING Hong-bo, QUAN Dong-li, ZENG Xiao-dong, LI Jian-wu, TAN Yun-hong.** *Zingiber calcicola* (Zingiberaceae), a new species from a limestone area in south Yunnan, China. *Phytotaxa* [J] 525(1): 65-69. [E] 2021: [65]. doi: 10.11646/phytotaxa.525.1.8  
**TYPE:** H. B. Ding & X. D. Zeng T0566 (holotype: HITBC-0057379; isotype: HITBC-0057382); H. B. Ding & X. D. Zeng T0565 (paratype: HITBC); H. B. Ding & X. D. Zeng T0567 (paratype: HITBC); H. B. Ding & X. D. Zeng T0568 (paratype: HITBC, PE, KUN); H. B. Ding, B. Yang & X. D. Zeng T0951 (paratype: HITBC); H. B. Ding, B. Yang & X. D. Zeng T0952 (paratype: HITBC)  
**CHINA** (Yunnan\*)  
**IUCN:** CR; **Evidence:** morphology

**Zingiber campanulatum** T. Jayakr., A. Joe, Hareesh & M. Sabu [**New Species**]  
**JAYAKRISHNAN Thachat, JOE Alfred, HAREESH Vadkkoot Sankaran, SABU Mamiyil.** Two New *Zingiber* (Zingiberaceae) Species from Arunachal Pradesh, Northeastern India. *Taiwania* [J] 66(1): 101-112. [E] 2021: [107]. doi: 10.6165/tai.2021.66.101  
**TYPE:** T. Jayakrishnan & N. Krishna 150203 (holotype: CALI; isotype: CAL)  
**CHINA** (Xizang\*)  
**IUCN:** DD; **Evidence:** morphology; ITS

**Zingiber cornigerum** T. Jayakr., A. Joe, Hareesh & M. Sabu [**New Species**]  
**JAYAKRISHNAN Thachat, JOE Alfred, HAREESH Vadkkoot Sankaran, SABU Mamiyil.** Two New *Zingiber* (Zingiberaceae) Species from Arunachal Pradesh, Northeastern India. *Taiwania* [J] 66(1): 101-112. [E] 2021: [107]. doi: 10.6165/tai.2021.66.101  
**TYPE:** T. Jayakrishnan & N. Krishna 150204 (holotype: CALI; isotype: CAL)

**CHINA** (Xizang\*)  
**IUCN:** DD; **Evidence:** morphology; ITS

**Zingiber viridescens** Z. H. Chen, G. Y. Li & W. J. Chen 绿苞囊荷 [**New Species**]  
**LI Gen-you, LI Xiu-peng, CHEN Zheng-hai, MA Dan-dan, LIN Hai-lun.** New Taxa of Seed Plants from Ningbo, Zhejiang Province. *Botanical Research in Ningbo* [B]: 340-345. [C] 2021: [342].  
**TYPE:** G. Y. Li & Z. H. Chen NH20120285 (holotype: ZJFC)  
**CHINA** (Zhejiang\*)  
**Evidence:** morphology



# List of Journals and Books

## 期刊和图书列表

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LI Gen-you, CHEN Zheng-hai, LI Xiu-peng  
China. Beijing: Science Press. ISBN: 978-7-03-067496-8
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