

中国产植物新种

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摘要 本文描述了中国产植物19个新种及2个新变种。新种是：粗柱银莲花、峨眉楠、纤轴楠、坝王新木姜子、阿沛悬钩子、米兰山小桔、隐脉沟瓣花、四蕊八角枫、伞花锦香草、黑叶鹅掌柴、腺梗紫金牛、毛果柿、石生柿、张氏柿、榄果柿、高盘萝芙木、窝穴素馨、裂叶紫珠、拟紫珠；新变种是：光果威灵仙、少花卵叶锦香草。全部模式标本存中山大学植物标本室。

关键词 中国植物, 新种, 新变种

1 粗柱银莲花 新种(毛茛科)

Anemone robustostylosa Miau, sp. nov

Sect. Rivularidium Jancz.

Species nova cum sectionis speciebus ceteris neque simulans, habitu *A. hupehensis* Lem. nonnihil proxima, sed involucris 2, ovario glabro, stylo curvato differt.

Planta circ. 80 cm alta; rhizomate obliquo, lignoso, circ. 4 mm crasso, villis griseo-albis dense obtecto. Folia basilaria 1~3, longe petiolata, basi petiolorum pilostatibus cum rhizomate aequabilibus obsita. Scapus sparsim pubescens, involucra 2, petiolo vaginato obsita, ternifoliolata, foliolum medium majus oblique ovatum, circ. 5.5 cm longum, circ. 4.5 cm latum, inconspicue trilobatum, margine serratum, utrinque sparse pubescens, petiolulus circ. 3 cm longus; foliola lateralia leviter parva, ovata, petioluli 1.5 cm longi. Cymae 2~3-ramificantes, ramificatio prima inaequilonga, 27~33 cm longa, secundaria 6.7~23 cm longa; involucella sursum sensim reducta, e parte infera ternifoliolata ad superam 3-partita. Flores 1~6 ad apicem ramificationum ultimarum affixi; pedicelli inaequilongi, 0.3-13.5 cm longi, dense pubescentes; sepala 5, purpureo-rubri, statura non convenientia, quorum 3 majora, elliptica vel obovata, apice rotundata vel retusa, circ. 1.8 cm longa circ. 1.1 lata, ventere glabra, dorso villis incanis dense obsita; 2 minora, elliptica circ. 1.6 cm longa, circ. 0.7 cm lata; stamina numerosa, filamenta filamentosa, circ. 4 mm longa, antherae oblongae, circ. 1.2 mm longae; carpella multa, in receptaculo conglomerata, glabra, stylo crasso brevique, dimidium ovarii aequanti,

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apice arcuato. Fructus non visus.

Guangxi: Le-ye Xian, alt. 950 m, ad marginem viae, herba, flores purpurei cum rubribus, 30.10. 1989, Zhong Ye-Chong 890881 (Typus, SYS).

2 威灵仙 (毛茛科)

Clematis chinensis Osbeck, *Dagbok Ostind.* Resa 205, 242. 1757.

2a 原变种

var. *chinensis*

瘦果扁卵形或宽椭圆形, 被柔毛。

2b 光果威灵仙 新变种

var. *laeviachenium* Miao, var. nov.

A var. *chinensi* differt acheniis cylindricis conicis, laevibus.

Guangdong: Nankun shan, 10. 1981, Q. Xia 316 (Typus, SYS).

3 坝王新木姜子 新种 (樟科)

Neolitsea bawangensis Miao, sp. nov.

Species *N. ovatifolia* Yang et P.H. Huang similis, sed foliis ellipticis, basi cuneatis, fructibus ellipsoideis differt.

Frutex, ramuli infuscati, striati, gemmae terminales ovoideae, squamae pilis griseo-albis sericeis obtectae. Folia alterna vel ad summum ramulorum subopposita vel verticillata, elliptica, 4.2~7.5 cm longa, 1.5~3 cm lata, apice acuminata, basi cuneata, tenuiter coriacea, supra viridia, subtus glauco-viridia, utrinque scrobiculata glabraque, triplinervia; nervis lateralibus utrinsecus 3~4, jugis infimis supra basin fere 1 mm nascentibus, validioribus, ceteris supra medium raro ad centrum costae nascentibus, gracilioribus, costa venisque supra elevatis, subtus basi planis vel dilute concavis; petioli 1~2 cm longi, ventere sulcati, prope basin foliorum leviter dilatati, glabri. Flores non visi. Fructus ellipsoideus, 1.2 cm altus, 8 mm diam., apice mucronatus, glaber; receptaculum fructiferum minute cotyliforme, margine subtiliter undulatum; stipes fructifer circ. 5 mm longus, leviter validus, glaber.

Hainan: Bawangling, 8. 10. 1988, Ye Chuang-Xin 88062 (Typus, SYS).

4 峨眉楠 新种 (樟科)

Phoebe omsiensis Miao, sp. nov.

Sect. *Phoebe*

Species *P. microphylla* H.W. Li proxima est, sed foliis ellipticis, subtus puberulis, rhichidibus infructescentiarum sparse pubescentibus, tepalis persistentibus utrinsecus dense pubescentibus differt.

Arbor, ramuli hornotini leviter robusti, teretes, fuscati, fere glabri vel brevissime puberuli. Folia coriacea, elliptica, 7.7~9 cm longa, 2.2~3.2 cm lata, apices

obtusa vel attenuata sed acumene obtusa, basi cuneata, supra glabra, siccitate viridi-brunnea, subtus fere glabra vel interdum brevissime puberula, pruinosa, costa media supra impressa, infra expressa, nervis lateralibus utrinque 13-15, sub angulo acuto divergentibus, oblique ascendentibus, utroque leviter conspicuis, venulis transversis minutisque obscuris, sed sub lente pagina foliorum favosa exhibitibus; petioli circ. 1.2 cm longi, glabri, sulcati. Flores ignoti. Inflorescentia fructifera in partibus superis ramulorum novorum posita, racemiformis vel interdum in summis rhachidium ramificans, 5~6.5 cm longa, sparsim pubescens; fructus globosus, circ. 5 mm diam., purpureo-niger, glaber, pedicellis fructiferis haud crassis, 5~7 mm longis, tepalis persistentibus laxè ordinandis, apice erectis vel recurvis; utrinsecus dense pubescentibus.

Sichuan: Emei shan, sine data, Bot. Exped. Depart. Bio. Sichuan Univ. 49160 (Typus, SYS).

5 纤轴楠 新种(樟科)

Phoebe tenuirhachis Miao, sp. nov.

Sect. *Phoebe*

Rhachis infructescentiae gracilis tamquam filamentosa atque pedicellus fructifer subito grossus sunt characteres principales hujus speciei. Plantae forma quasi proximae *P. hunanensi* Hand. -Mazz., quae differt rhachidibus infructescentiarum leviter robustis, pedicellis leviter grossis, fructibus ovoideis etc.

Arbor; ramuli griseo-brunnei, angulati, glabri. Folia coriacea, longe oblanceolata, 12~30 cm longa, 2~4.5 cm lata, apice acuta usque ad acuminata, basi angustate cuneata, margine leviter recurvata, in sicco supra infuscata, glabra, subtus brunneo-grisea, adpresse pubescentia, costa media valida, supra impressa, infra insigniter elevata, venae laterales 13~24-jugae, sed praeter graciliorem in basi acumineque 7~12-jugae robustiores, oculo nudo fortasse visae; petioli 1.5~2 cm longi, graciles, glabri. Flores ignosi. Infructescentia paniculiformis, in partibus superis ramulorum annotinorum inserta, 5~7 cm longa, vulgo in summo ejus 2-ramificans, rhachis infructescentiae glabra, gracilis tamquam filamentosa, pedicellus fructifer subito grossus usque ad 1 mm diam., glaber, tepalum persistens ovatum, circ. 3 mm longum, circ. 2 mm latum, apice obtuse acutum, extus glabrum, intus puberulum; fructus subglobosus, 1.3 cm altus, 1.1 cm diam., in sicco opaco-niger, glaber.

Sichuan: Emei shan, sine data, Bot. Exped. Depart. Bio. Sichuan Univ. 50884 (Typus, SYS)

6 阿沛悬钩子 新种(蔷薇科)

Rubus pelli Miao, sp. nov.

Sect. *Idaeobatus* Focke, Subsect. *Chorchorifolii* (Focke) Yu et Lu

Affinis *R. kwangsiensi* Li, qui differt foliis oblongo-ovatis, margine asymmetricè, robuste et acute serratis vel biserratis, floribus solitariis, calycis lobis tri-

gono-lanceolatis.

Frutex scandens; ramuli purpuri-brunnei, omnino glabri, aculeis recurvatis obsiti. Folia singula, alterna, ovata, 3.5~7.5 cm longa, 2~4 cm lata, apice acuminata, basi orbiculata usque ad subcordata, supra praeter pubes sparsis secus costam mediam ceterum glabra, subtus glabra, margine sparse serrata, nervis lateralibus 6~8-jugis, sub angulo acuto divergentibus, in apicem serraturae prorsis, supra leviter concavi, subtus prominuli, petioli 0.5~2.5 cm longi, secus summum petiolorum minute puberuli, inermes vel interdum aculeis 1-jugis recurvatis obsiti, stipulae basi cum petiolis connatae, lineari-lanceolatae, 3~5 mm longae, glabrae. Dichasia in apicibus ramulorum lateralium posita, interdum flores solitarii, in axilla ramulorum lateralium inserti, pedunculus 0.2~1.2 cm longus, glaber, pedicellis 0.6~1.2 cm longis, glabris. Flores minores, 1 cm diam., calyx basi connatus, 5-partitus, lobi ovati, minute cuspidati, circ. 5 mm longi, 4 mm lati, extus puberuli, margine tomentosi, intus prope apicem tomentosi; petala 5, obovata, circ. 6 mm longa, circ. 5 mm lata, apice orbiculata, basi breviter unguolata; stamina plurima, filamentis 5 mm longis, glabris, receptaculum conicum, sparse pubescens, carpella multa, libera, in apice receptaculii congesta, apice ovarii et basi styli leviter pubescens. Fructus ignotus.

Guangdong: Longmeng Xian, Nankun shan, 6. 1982, Class 78 Exped. num. 5 (Typus, SYS).

7 米兰山小桔 新种 (芸香科)

Glycosmis aglaioides Miau, sp. nov.

Species haec *G. arborea* (Roxb.) DC. et *G. disolor* Huang proxima, sed a prima differt folioliis integris, a secunda differt ramorum foliorumque partibus juvenalibus atque petalis sparsim pubescentibus, staminibus longis brevibusque alterne separatis, eglandulosis, etc.

Frutex, gemmae griseo-brunnee tomentosa, ramuli juvenales leviter robusti, tenuiter pubescentes, veteres lenticellis longitudinaliter ruptis obsiti, glabri. Folia imparipinnata, alternativa, cum petiolis 14~15 cm longa, 5-foliolata; rhachides foliorum tenuiter pubescentes, foliola opposita vel subopposita, elliptica, tenuiter coriacea, pare infimo parvissima, sursum gradatim ampliata, in summo rhachidium unifoliolo maximo obsita, 5~9 cm longa, 1.9~3.6 cm lata, apice acuminata, acumine obtusa, basi secus latera petiolulorum stenodecurrentia in angustalam, margine integra, juventute utrinque sparse pubescentia, vetustate glabrescentia, in sicco supra flavovirentia, nitida, subtus flavovirentia cum argenteo-grisea, venae elevatae; petioluli laterales circ. 3 mm longi, terminales circ. 17 mm longi. Inflorescentiae racemosae vel ob racemis ramificantibus in paniculis denuo dispositae, axillares vel interdum terminales, 1~2.2 cm longae, rhachides tenuiter pubescentes, pedicelli brevissimi, paulo 1 mm longi, cum conjugatione rhachidium articulati; calyx vadoso cupiformis, apice 5-lobatus, lobi apice rotundati vel apiculati, margine ciliati; petala 5, ovata, circ. 2.5 mm longa, apice obtusa, extus

sparsim pubescentes; stamina 10, longa brevique alterne separata, antherae longo-ovatae vel oblongae, circ. 1 mm longae, filamenta fere antheris aequilonga vel interdum leviter longiora vel paulo breviora, explanata; ovarium ovatum, glabrum, punctulatum, stylo robusto-brevi, fere 1/2 ovarii aequanti; stigmatibus paulo incrassato; discus annularis. Fructus non visus.

Guizhou: An-long Xian, Lsi-gontan, Liao Guo-shen Cl236 (Typus, SYS).

8 隐脉沟瓣花 新种(卫矛科)

Glyptopetalum occultonervatum Miao, sp. nov.

Species nova *G. gelonifolio* (Chun et How) C.Y.Cheng arcte similis, a quo foliis stenoellipticis, apice attenuatis obtusisque, nervis obsolete, sepalis apice fimbriatis differt.

Frutex parvus, 1~2 m altus, ramuli graciles, glabri, 4-angulares. Folia tenuiter coriacea, stenoelliptica, 4~5.5 cm longa, 1.5~2 cm lata, apice stenuata et obtusa, basi stenocuneata, siccitate utrinsecus glabra, pallide viridia, pruinosa, margine leviter recurvata, distincte serrulata, costa media utrinque conspicue elevata, nervis lateralibus obsolete; petioli circ. 3 mm longi. Cymae terminales vel axillares, 1~2-dichotome ramificantes, pedunculi calcariformes, circ. 1 mm longi; ramificationibus tenuibus, summo saepe 3-floriferis; flores 4-meri, pedicellis circ. 2 mm longi; sepala 4, semiorbicularia, circ. 1 mm longa, circ. 2 mm lata, apice rotundata; discus planus, 4-lobatus; stamina 4, antherarum loculi divaricati; ovarium in disco inclusum, stylo occultanti, stigmatibus capitato. Fructus non visi.

Guangdong: Longmen Xian, Nankung shan, in sylvis laxis ad declivos, alt. 700 m, 11. 7. 1981, Y.F.Huang et al. 239 (Typus, SYS).

9 四萼八角枫 新种(八角枫科)

Alangium tetrandrum Miao, sp. nov.

Species nova forma *A. faberi* Oliv. var. *heterophyll* Yang admodum similis, sed foliis basi lato-cuneatis, axilla venae in pagina dorsali barbatis, staminibus 4, connectivis in superficie dorsali glabris differt.

Frutex deciduus, ramuli graciles, teretes, juventute dense strigosi, vetustate gradatim glabrescentes. Folia tenuiter chartacea, steno-lanceolata, apice caudato-acuminata, basi lato-cuneata, nonnihi oblique, 10.5~14.5 cm longa, 1.5~2.5 cm lata, in sicco utrinsecus olivacea, ubique ravidè punctata, initio utrinsecus sparsim strigosa, subtus axilla venae barbata, maturitate praeter costam mediam et axillam venae cetero fere glabra, costa media utrinsecus elevata, nervis lateralibus utroque 9~16, subtus conspicuioribus; petioli 0.3~0.5 cm longi, dense strigosi. Cyma axillaris 1.5~3 cm longa, dense brunneo-strigosa, 5~7-florigera, pedunculus 0.7~1 cm longus, pedicellis circ. 5 mm longis, bracteolae lineares, strigosae; calyx urniformis, extus strigosus, apice 4~5-lobatus, lobi late triangulares, 0.5 mm longi; petala 4~5, fasciaria, reflexa, circ. 8 mm longa, circ. 1 mm lata, extus strigosa, intus prope basim strigosa; stamina 4, petalis dilute breviora, filiam-

enta complana, circ. 2 mm longa, supra medium strigosa, basi petalis leviter adnata, antherae lineatae, circ. 0.5 mm longae, glabrae; discus carnosus, subglobosus, apice minute lobatus; stylus dilute compressus, glaber, circ. 7 mm longus, stigmatate capitato. Fructus ignotus.

Guangxi: Napo Xian, Longhualongbudun, Zong-Ye shan, alt. 1200 m, in silvis laxis ad clivos saxiorum calcareorum, 15. 6. 1989, H. Q. Wen Wo68 (Typus, SYS).

10 伞花锦香草 新科 (野牡丹科)

Phyllagathis pluriumbellata Miao, sp. nov.

Sect. *Thyrsophyllagathis* C. Chen

Species nostra *Ph. erecta* (S. Y. Hu) C. Y. Wu ex C. Chen proximior, sed ramulis juvenalibus dense breviter hispidis, foliis basi subcordatis, in superficie supera et infra secus venas utrinque breviter strigosis, petiolis dense breviter hispidis etc. differt.

Frutex parvus, circ. 1 m altus; caulis vetus teres, griseo-niger, lenticellis minutis elevatisque obsitus; ramificationes obtuse 4-angulatae, juventute dense breviter hispidae, vetustate gradatim deciduae. Folia chartacea, elliptica vel ovato-elliptica, apice acuminata, basi obtusa vel subcordata, aequilaterialia vel leviter obliqua, 10~18 cm longa, 6~9 cm lata, margine sparse et minute serrata, sed propter summum serraturae facile deciduum saepe transformate inconspicua, supra sparse breviter strigosa, subtus fere glabra vel secus venas breviter strigosa, nervi 7, e basi nascentes, quorum 2 prope marginem graciles, supra concavi, subtus elevati; petioli 1.2~2 cm longi, longitudinaliter sulcati, dense brevispidi. Umbellatoforme cymae 3~5, in paniculam dispositae, terminali, pantentissimae, usque ad 10 cm longae, 9 cm latae, rhachidibus ramificationibusque fere glabris vel paulo puberulis, quisque umbella 7-15-florifera, pedicelli glabri, 5 mm longi (in fructu). Gapsulae cupiformes, 4 mm longae et diam, 4-lobatae, corona suberosa, 4-lobata, quam calyx persistens 1 mm altior, apice paulo concava.

Yunnan: Ma-guan Xian, 6. 4. 1986, Zh. R. Xu et B. Li Gs86-7155 (Typus SYS).

11 卵叶锦香草 (野牡丹科)

Phyllagathis ovalifolia H.M.Li in Journ. Arn. Arb. 25:31. 1944

11a 原变种

var. *ovalifolia*

伞形花序有花25~30朵。

11b 少花卵叶锦香草 新变种

var. *pauciflora* Miao, var. nov.

Umdella floribus 3~9 raro 15 obsita.

Yunnan, Ma-Guan Xian, 4. 1886, kh. R. Xu et B. Li GL86—7974 (Typus, SYS), GL86—1971, ib., Ch. X. Ye et Q. Li GS3241.

12 黑叶鹅掌柴 新种(五加科)

Scheffera atrifoliata Miau, sp. nov.

Sect. *Scheffera*, Subsect. *Octophyllae* Tseng et Hoo

Species haec *S. octophylla* (Lour.) Harms proxima est, a quaefolioliis margine acute serrulatis, drupis longe globosis, badie stellato-pilosis etc. diversa.

Arbor parva, usque ad 5 m alta; rami validi, secus summum pilis ferruginescentibus stellatis dense obtecti. Folia 4~5-foliolata, palmatim disposita, interdum in apice petiolorum reliqueis 2 foliolorum redactorum visa; petiolus gracilis, 5~28 cm longus, glaber vel tenuiter stellato-pilosus; foliola tenuiter coriacea, ovata vel angustato-elliptica, apice longe acuminata etiam acumine usque ad 1.2 cm longo, basi cuneata, 4.2~11.2 cm longa, 2.2~3.9 cm lata, supra glabra, siccitate cinereo-nigra, infra pilis brunneis stellatis parce obtecta, in sicco pallide viriscentia, margine supra medium acute serrulata, nervis lateralibus 7~16-jugis, utrinsecus prominulis sed infra distinctioribus, reticulorum nervilis supra conspicuioribus; petiolulis inaequilongis, lateribus circ. 1~2 cm longis, mediis circ. 3 cm longis, pilis brunneis stellatis leviter tectis. Flores ignoti. Infrectescentiae paniculiformes e umbellato-infructescentiis multis constatae, terminales, angustatae; rhachidibus gracilibus, circ. 17 cm longis, pilis brunneis stellatis confertim obtectis; pedunculis fructiferis e rhachidi decumbenter nascentibus, circ. 2 cm longis, pilis brunneis stellatis spisse obsitis, in apicibus infructescentia 1 umbellata aliquot drupacea insertis, drupae longe globosae, circ. 4 mm diam., 5 mm altae, brunneae stellato-pilosae, haud angulatae, pedicellis fructiferis circ. 2~3 mm longis, calycis dente 5 persistenti, stellato-piloso, stylo persistenti breviter crasso quam 1 mm brevior.

Guizhou, Lido, in silvis in montis calcareis, 7. 1983, Zh. R. Xu LE583 (Typus, SYS).

13 腺梗紫金牛 新种(紫金牛科)

Ardisia adenopes Miau, sp. nov.

Sect. *Crispardisia* Mez.

Species nova a speciebus ceteris sectionis hujus diversa foliis infra medium crenatis supra medium integris, pedicellis glanduloso-pilosis, calycis lobis apice retusis etc., sed habitu *A. crenata* Sims fortasse affinis.

Frutex. Caulis glaber, praeter floris ramum lateralem specialem simplex. Folia crasse papyracea, angusto-elliptica vel elliptico-obovata apice acuminata, basi cuneata, usque ad 10 cm longa, 3~4.1 cm lata, margine infra medium crenata, supra medium integra, inter dentes punctulis marginatis obsita, utrinque glabra, supra epunctata, infra parce punctata, costa media supra leviter impressa, infra expressa, nervi laterales leviter manifesti, utrinsecus leviter elevati, 11~15-jugi, oblique

patentes, a prope marginem in nervo marginato inconspicuo connexi; petioli 0.7~1 cm longi. Corymbi compositi in summis floris ramorum lateralius specialius inserti, pedicellis circ. 1.2 cm longis; ramificatio 2.5~3 cm longa, puberula; pedicellis circ. 1.7 cm longis, dense glanduloso-pilosis; flores circ. 7 mm longi, calyx tantum basi connatus, calycis lobi ovati, apice retusi raro obtusi vel acuti, extus plus minusve puberuli, epunctati; petala late ovata, apice longe acuminata, epunctata, utrinque glabra; pistillum petalis aequilongum, ovarium globosum. Drupae globosae, epunctata, apice stylo persistenti obsitae.

Guangdong: Sine locis et temperibus lectis accuratis, tantum numerus lectus 003, herb. No. 163746 (Typus, SYS).

14 毛果柿 新种 (柿科)

Diospyros trichocarpa Miau, sp. nov.

Species nova forma *D. zhenfengensi* S. Lee proxima, a qua ramulo juvenali pubibus ferrugineis tecto, foliis papyraceis, venulis reticulatis inconspicuis, pedicellis brevioribus etc. differt.

Arbor parva, 4~6 m alta; ramuli juvenales leviter robusti, pubibus ferrugineis dense tecti, vetusti griseo-nigri, glabrescentes; lenticellae orbiculatae, brunneae, manifestae. Folia alterna, papyracea, oblongo-elliptica vel elliptica, 7~16 cm longa, 3.7~7.3 cm lata, apice acuminata, basi cuneata usque rotundata, in siccitate supra nigro-brunnea, subtus brunnea, juventate utrinque pubibus fulvis tenuiter obtecta, sed pilostatibus secus costam venasque confertioribus obsita, vetustate supra praeter costam et nervos laterales ceterum fere glabra, subtus pilostatibus invariantia; costa venasque supra leviter impressi, infra evidenter elevati, nervis lateralibus utrinsecus 6~10, sub angulo 45° abeuntibus, apice secus marginem repande prolongati, ad extremum in margine evanidi; venulis gracilibus, in reti irregulari sparsi anastomosantibus, supra inconspicuis, infra conspicuioribus; petioli 6~12 mm longi, pubibus ferrugineis spisse obtecti. Flores in axilla solitarii, globosus, pubibus fulvis confertim obsitus; calyx remanens circ. 3.8 cm diam., 4-partitus, lobi late ovati, circ. 1.7 cm longi latique, apice acuti, extra nervis prominulis longitudinalibus obsiti, utrinque dense pubescentes, pedicellus fructifer valide brevis, circ. 6 mm longus, pubibus ferrugineis dense obtectus.

Yunnan: Cang-Yuan xian, Ban-Hong Gong She, alt. 780-800 m, in sylvis laxis ad clivos, 2. 6. 1974, Y. F. Li 011891 (Typus, SYS); distr. id. Ban-Lau Gong She, alt. 800~900 m, in locis apricis sylvae densae ad declivitibus montis, arbor, 6 m alta, fructus viridis, 13. 6. 1974, Y. F. Li 011986; Meng-Lianxian, Meng-Ma Gong She, alt. 1600 m, nomen vernaculum "Hong Shi-Zi," 25. 7. 1973. Exped Meng-Lian 009704

15 石生柿 新种 (柿科)

Diospyros saxicola Chang, sp. nov.

Species haec *D. tsangii* Merr. comparate similis est, a qua foliis coriaceis, ap-

ice obtusis, subtus glabris, nervis lateralibus multis, fructu parvo, calycis lobi ovato-lanceolati etc. differt.

Frutex, 1.5 m altus; ramuli juvenales graciles, teretes, pubibus sordido-luteolis tortis dense obtecti, vetusti leviter robusti, nigri, glabrescentes, lenticellis multis orbicularibus longitudinaliter dehiscentibus obsiti, gemmae parvae, conicae, pubibus sordido-luteolis spisse velatae. Folia coriacea, rhombico-elliptica raro ovata, 2.7~8.5 cm longa, 1.6~3.5 cm lata, apice obtusa raro rotundata, basi cuneata, in sicco utrinque griseo-luteola, supra paginam secus costam mediam et nervos laterales confertim pubescentia ceterum glabra, subtus paginam glabra, margine paulo revoluta, costa media et nervi laterales utrinsecus elevati, nervis lateralibus utrinque 6~10, ad angulum angustatum patentibus, leviter anfractis, apice secus marginem repande protentis, extremum in margine recedentibus, nervulo in retibus parvis anastomosanti, supra conspicuior, subtus indistincte viso, petioli circ. 3 mm longi, pubibus sordido-luteolis dense velati. Flores ignoti. Fructus globosus, in sicco luteolus, circ. 1.2 cm diam., spisse pubescens; calyx persistens 4-partitus, lobi ovato-lanceolati, circ. 1.5 cm longi, circ. 0.6 cm lati, apice angusto-obtusi, superficiebus ambabus vix glabri, sed intrinsecus pilostatibus secus basin leviter densioribus obducti, pedicellus fructifer circ. 1.1 cm longus, pubibus sordido-luteolis dense obductus.

Guangdong, Yin-De xian, Hua-Shui shan, super saxis calcareis, frutex, 1.5 m altus, fructus viridis, 24. 6. 1957, Fong et Zeng 10489 (Typus, SYS).

16 张氏柿 新种(柿科)

Diospyros changii Miau, sp. nov.

Species haec ambitu comparate similis *D. morrisiana* Hance, a qua nervis lateralibus foliorum multis tenuisque, fructibus oliviformibus, pedicellis fructiferis longioribus, calyce persistenti parvo etc. facile distincta.

Frutex vel arbor parva: rami griseo-nigri, teretes, leviter robusti, juventute sparsim cineree pubescentes, vetustate glabrescentes, summo ramunculorum (pubibus cinereis dense obtecti, cortex longitudinaliter dehiscens. Folia crasse chartacea, elliptica, 6.5~7.7 cm longa, 2.7~3.5 cm lata, apice acuminata, acumine obtusa vel interdum acuta, basi cuneata, dilute decurrentia, in siccitate supra nigro-brunnea, subtus theibrunnea, super paginam praeter pubes secus costam mediam ceteroquin glabra, infra paginam pubibus sparsis adpressisque obtecta, sed pilostatibus secus costam mediam densioribus, costa media supra impressa, infra expressa, nervis lateralibus utrinsecus 7~10, tenuibus supra planis vel leviter elevatis, subtus manifeste elevatis, venulae anastomosantes, supra obscurae, infra distinctiores, petiolus circ. 3 mm longus. Flores feminei masculique non visi. Fructus ad axillam cicatricis folii solitarius, oliviformis, circ. 2.5 cm longus, circ. 1.1 cm diam., pubibus griseo-brunneis sparsim tectus, apice stylo remanenti obsitus, calyce persistenti parvo, acetabuliformi circ. 5 mm diam., puberulo, 4-partito, lobi ovati, circ. 1.5 mm longi, apice acuti, pedicellus fructifer leviter declinatus, circ. 1 cm

longus, pilosus.

Hainan, sine loc. et temp., Herb. no. 142575 (Typus, SYS).

17 榄果柿 新种 (柿科)

Diospyros oliviformis Miao, sp. nov.

Species nova *D. howii* Merr. et Chun proxima, sed laminis plerumque ellipticis, fructibus oliviformibus, pedicellis fructiferis, glabris, calycibus persistentibus 5-partitis, semine 1 etc. diversa.

arbor 8 m alta; rami veteres teretes, griseo-nigri; juveniles leviter graciles, pubibus griseo-nigris dense tecti. Folia subcoriacea, angusto-elliptica vel elliptica, 3~6 cm longa, 1.5~2 cm lata, apice obtusa vel obtuse acuminata, raro retusa, basi angusto-cuneata, in sicco supra griseo-brunnea, hebetata, subtus infuscata, sub lente in pagina foliorum glandulas concavas omnino dispersas distincte visa, supra praeter pubes secus costam mediam utrinque glabra, margine nonnihil revoluta, pilosa, costa media supra in sulco angusto concava, subtus conspicue elevata, nervis lateralibus gracilibus, utrinque 6~8, supra obscuris, subtus leviter elevatis, retibus venularum infra manifestis; petiolus brevior, 1.5~3 mm longus, dense pubescens. Flores non visi. Fructus solitarius, ellipsoideus, circ. 2 cm longus, circ. 1.2 cm diam., apice apiculatus, pilosus; calyx 5-partitus, patens, circ. 6 mm diam., lobi ovato-rotundati, circ. 2 mm longi, apice rotundati vel dilute obtusi, puberuli; pedicellus fructifer leviter robustus, parte summii leviter crassus, circ. 8 mm longus, glaber; semen 1, ellipsoideum, circ. 1.5 cm longum nigro-brunneum.

Hainan: Xiao Duao-Luo shan, alt. 1040 m, arbor 8 m alta, fructus viridis, ellipsoideus, semem 1, 18. 12. 1962, Ceng-pei 12981 (Typus, SYS).

18. 窝穴素馨 新种 (木犀科)

Jasminum foveatum Miao, sp. nov.

Sect. *Unifoliolata* DC.

Species *J. microcalyce* Hance comparate proxima, sed ramulis pilis farinosis tenuiter obtectis; foliis ellipticis, basi cuneatis, axillis venae foveatis etc. differt.

Frutex scandens; ramuli graciles, teretes, patentes, pilis farinosis tenuiter obtecti; rami infuscati, longitudinaliter rupto-striati. Folia simplicia opposita, subcoriacea, elliptica, 1.3~5.3 cm longa, 1.1~2.3 cm lata, apice obtusa usque longe acuminata, basi cuneata, in sicco supra olivacea, subtus luteo-viridia, utrinsecus pilis farinosis leviter obsita, margine integra, paulo reflexa, costa media supra dilute concava, subtus conspicue prominenti; nervis lateralibus utroque circ. 5, supra obscuris, subtus prominulis; axilla nanae foveata, circumscriptione foveae pubescens; petioli circ. 6 mm longi, media articulati, ventre concavi, dorso convexi, pilis farinosis leviter obducti, Flores ignoti. Inflorescentiae fructiferae racemosae, ad summum ramulorum positae; bractee parvae

lineares circ. 3 mm longae, pedicelli fructiferi circ. 1 cm longi, sursum gradatim dilatati, calyx remanens 4-fidus, lobi oblongi circ. 2 mm longi, apice obtusi, pilis farinosis minute velati, baccae globosae, uncae vel binatae, circ 7 mm diam., in siccitate nigro-brunnae.

Guangxi: Sine loc., H.Q Wen Wll3 (Typus, SYS).

19 高盘萝芙木 新种(萝芙科)

Rauvolfia altodiscifera Miau, sp.nov.

R. yunnanensi Tsiang proxima, sed ramis juvenalibus, paginis foliorum, pedicellis, calycibus corollisque omnino puberulis; foliis majoribus, apice caudato-acuminatis; disco cupiformi, usque ad $2/3$ ovaria alto etc.differt.

Frutex, 1~2 m altus; rami hornotini infuscati, obtuse 4-angulati, puberuli, adulti glabri, griseo-albidi, teretes, longitudinaliter striati, lenticellis sparsis ellipticis obsiti. Folia opposita, membranacea, elliptica, 17~18 cm longa, 6.2~10 cm lata, apice caudato-acuminata, leviter falcata, basi cuneata, decurrentia, in sicco supra olivacea, puberula, subtus pallide viridia, glabra, costa media supra leviter impressa, subtus leviter elevata, nervis lateralibus utrinsecus conspicuis, laxis, inter nervos 0.7~2.5 cm remotis, oblique nascentibus, arcuate adscendentibus, in nervo marginato fere 5 mm ante marginem connexisi; petiolus 1.1~1.5 cm longus, puberulus. Umbellato-cymae ad axillas ramulorum superiorum insertae, circ. 3 cm longae, circ. 6 cm latae; pedunculis 8, peberulis, leviter validis, 1~1.4 cm longis pedicellis circ.0.5 cm longis; calyx campanulatus, extus puberulus, calycis lobi 5, triangulares, apice acuminati; corolla alba, tubus corollae cylindratus, parte medii dilatatus, extus puberulus, intus parte faucis dense pubescens, area centrali dilatatus sparse pubescens, infra medium gradatim glaber; stamina in positione medii dilatati inserta, antherae sagittiformes, dorsifixae; discus cupiformis, circ. 1 cm altus; ovarium e carpellis 2 liberis constitutum, ejus $2/3$ in disco infossum, stylo gracili, circ. 0.5 cm longo, stigmatate cleavato, basi annulatim membranaceo. Fructus non visus.

Yunnan: Ma-Guan xian, 4. 1986, Zh,R,Xu et Li,B. Gs86-8224 (Typus SYS)

20 裂叶紫珠 新种(马鞭草科)

Callicarpa ruptifoliata Miau, sp.nov.

Subgen. *Gallicarpa*

Sect. *Callicarpa*

Ser. *Callicarpae*

Species haec caracteribus *C. lobo-apiculata* Metc. proxima, a qua foliis 2-formibus, lobato-foliatis; petiolis brevioribus; cymis tantum 4-ramificantibus etc. diversa.

Frutex; ramuli teretes, tomentis luteo-brunneis ramificantibus dense obtecti. Folia opposita, chartacea, 2-formia: folio elobata elliptica, 8~15.5cm longa, 4~6 cm lata, apice acuta, acuminata vel caudata, basi anguste cuneata, margine statura dentium parvorum inaequali obsita, supra in sicco opaco-brunnea, praeter

pil os ramigenos secus nervos ceterum glabra, subtus pallide viridia, tomentis ramigenis luteo-brunnis secus nervos dense obtectis autem secus paginas foliorum sparsim obtectis, utrinque fulgido-lutee punctulata, nervis lateralibus utrinsecus circ. 10, petioli leviter validi, circ. 1.2 cm longi, tomentis luteo-brunnis confertim velati; folia lobata habitu oblonga, apice 2-lobata; lobi statura inaequales, apice omnino longo-acuminata, caractere ceteri foliis lobatis aequabiles, Cymae axillares, circ. 2.5 cm longae, 4-ramigenae, pedunculi 0.9-1.1cm longi, tomentis luteo-brunneis ramificantibus spisse obducti, pedicelli brevissimi, circ. 1mm longi, tomentis luteobrunneis spisse obducti, bractee parvae, lanceolatae, circ. 3 mm longae, etiam ramificanter tomentosae, calyx campanulatae, extra tomentis luteobrunneis et ramigenis tectus, intra glaber, apice 4-dentatus, lobi longo-triangulati, circ. 0.5 mm longus; corolla circ. 2 mm longa, apice 4-fida, lobi ramigenae tomentosi; stamina 4, filamentae glabrae circ. 0.5 mm longae, antherae ellipticae, longitudinaliter dehiscentes; ovarium glabrum, stigmate apice dilatato. Fructus ignotus.

Guangdong, Ru-Yuan xian, Wu-zhi shan, alt. 550 m, 24. 5. 1980, B. L. Ghen et al. 015 (Typus, SYS)

21 拟紫珠 新种 (马鞭草科)

Callicarpa bodinieroides Miao, sp. nov.

Species nova *C. bodinieri* Levl. similis, sed ramulis rubide punctatis, foliis angustioribus parvioribusque, in sicco viridibus, pedicellis circ. 2 mm longis, ovario glabro etc. distincta.

Frutex, ramuli juvenales compressi, pilis stellaribus luteo-brunneis confertim vestiti atque punctis rubris omnino dispersi; veteri teretes, indumentis leniter sparsis obsiti. Folia chartacea, elliptica vel oblongo-elliptica, 10~12 cm longa, 3~4.4 cm lata, apice longe acuminata, acumine usque ad 2 cm longo, basi angustocuneata, margine serrulata praeter utroque partes angustatas supra in sicco viridia, praeter pilos stellares secus costam mediam glabriuscula, subtus luteoviridia, sparsim stellato-pilosa, utrinsecus rubicunde punctata; costa media ventere a centro deorsum leviter concava, sursum leviter elevata, dorso conspicue elevata; nervis lateralibus laxis, in utrinsecus costae latere 14~16, in superficiebus ambabus prominulis, nervillis reticulatis utrinque distinctis; petioli 3~6 mm longi, confertim stellato-pilosi. Cymae supra-axillares 3-ramigenae, pedunculi 0.5 mm longi, spisse stellato-pilosi; bractee minutae, lineares, circ. 1 mm longae, dense stellato-pilosae; pedicelli circ. 2 mm longi, pilis stellaribus obtecti; calyx obconicus, circ. 1 mm altus, pilis stellatis et punctis rubris sparse tectus, calycis dentes triangulati; corolla circ. 3 mm longa, pilis stellatis et punctis rubris velata; stamina circ. 6 mm longa antherae oblongae, circ. 1.5 mm longae rubide punctatae, loculi antherae longitudinaliter dehiscentes; ovarium globosum, glabrum vel apice puberulum. Fructus immaturus, globosus, gri

seo-albus, glaber.

Guizhou: sine data, LD-28 (Typus, SYS).

New Species from Chinese Flora

*Miau Ruhui**

Abstract In this paper 19 new species and 2 new varieties are described. They are: *Anemone robustylosa* Miau and *Clematis chinensis* Osbeck var. *laevichenium* Miau (Ranunculaceae), *Neolitsea bawangensis* Miau, *Phoebe omeiensis* Miau and *Ph. tenuirhachis* Miau (Lauraceae), *Rubus peii* Miau (Rosaceae), *Glycosmis aglaioides* Miau (Rutaceae), *Glyptopetalum occultonervatum* Miau (Celastraceae), *Phyllathis pluriumbellata* Miau and *Ph. ovalifolia* Li var. *pauciflora* Miau (Melastomataceae), *Scheffera atrifoliata* Miau (Araliaceae), *Ardisia adenopes* Miau (Myrsinaceae), *Diospyros trichocarpa* Miau, *D. saxicola* Chang, *D. changii* Miau and *D. oliviformis* Miau (Ebenaceae), *Jasminon foveatum* Miau (Oleaceae), *Rauwolfia altodiscifera* Miau (Apocynaceae), *Callicarpa ruptifoliata* Miau and *C. bodinieroides* Miau (Verbenaceae). All the types are deposited at the Herbarium of Sunyatsen University (SYS).

Keywords Chinese flora, new species, new varieties

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