

New Species of Theaceae from China

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Abstract Three new species and a variety of *Camellia*, and a new species of *Schima* of *Theaceae* from China are reported in this paper.

Keywords *Camellia*, *C. lanceoleosa*, *C. tuboleifera*, *C. oleifera* var. *monosperma*, *Schima*, *S. xinyiensis*

Camellia Linn.

1 *Camellia lanceoleosa* Chang et Chiu*, sp. nov.

Sect. *Oleifera* Chang.

A *C. oleifera* Abel differt foliis lanceolatis, ramulis et sepalis glabris, petalis apice rotundatis non bifidis.

Frutex, ramulis glabris. Folia coriacea anguste lanceolata 6-8 cm longa, 1.8-2.4 cm lata, apice caudato-acuminata, basi cuneata, supra in sicco viridia nitida, subtus flavo-viridia glabra, nervis lateralibus utrinsecus circ. 5 ut venulis reticulatis utrinque inconspicuis, margine serrata; petiolis 5~7 mm longis. Flores subterminales subsessiles, bracteis sepalisque 7~8 extus subglabris vel sparse puberulis obovatis 3~10 mm longis, petalis 6, obovatis 2~2.5 cm longis apice rotundatis, staminibus 1.3 cm longis, ovariis 3-locularibus pilosis, stylis 1 cm longis pilosis apice 3-fidis. Capsula subglobosa 4~6 cm in diameter, semina 2~3 in quoque loculo.

Jiangxi; Nan-chang, camellian garden of the Forestry Institute of Jiangxi Province, Chiu Jinxin 001 (typus).

This is a distinctive *Oleifera* species, characterized by the lanceolate leaves with caudate apex, the glabrous shoots and sepals and the petals entire, not bilobate at the apex.

2 *Camellia tuboleifera* Chang et Ren, sp. nov.

Sect. *Oleifera* Chang.

A *C. oleifera* Abel foliis minoribus, floribus minoribus, filamentis con-

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natis tubiformibus, capsula minore oblonga vel fusiforme differt; a *C. lanceoleosa* Chang et Chiu floribus capsulisque minoribus, filamentis connatis tubiformibus recedit.

Frutex, ramulis sparse pilosis. Folia oblonga 4~5 cm longa, 1.5~2.3 cm lata, apice acuta vel plerumque obtusius acuta, basi cuneata, supra in sicco viridia nitida ad costam midium puberula, subtus glabra in sicco minute muricata, nervis lateralibus utrinque inconspicuis, margine crenata, petiolis 3~5mm longis pilosis. Flores subterminales sessiles 2.5~3 cm diam., bracteis sepalisque 8~9 late obovatis 5~9 mm longis villosis, petalis 5~6 obovato-oblanceolatis albis circ. 1.5 cm longis basi subliferis, staminibus 1~1.3 cm longis glabris, filamentis 1/2 inferioribus connatis, tubis 7~8 mm longis glabris, ovariis setosis 3-locularibus, stylis 3-fidis. Capsula ovaliformis vel oblonga 2.5 cm longa 1.7 cm diam., 1-2-locularis, 2-valvato-dehiscens, pericarpio 2~4 mm crasso, Seminibus singularibus in quoque loculo.

Guangdong: Yu-yuan County, Tang-peng-shui C. wang 41672; ibid. P. Ceng 11893 (typus); Lian-Xian, mt. Sha-mo-ling, Ng Chung Lam 3318; Tsing Leung Shan, F. McClure 6727 (capsula).

This species is similar to *C. lanceoleosa* Chang et Chiu, but the latter differs by the larger flowers and capsules, and the filaments free, not connate into filament-tube.

3 *Camellia oleifera* Abel var. *monosperma* Chang, var. nov.

A typo foliis minoribus 3~5 cm longis, floribus minoribus 2~3 cm diam., capsula minoribus 2~3 cm diam., plerumque 1-locularis, seminibus singularibus in quoque loculo differt.

Guangxi: Guilin, botanical Garden, Ceng, P. et Xie, J.J. 17067 (typus); Yung-Xian, Aboretum, Mo Z. Q. 91, 92, 94.

A new name *Camellia meiocarpa* Hu, in herb. is obviously belonged to this type, it is a cultivar and not an independent species.

4 *Camellia tubiformis* Chang et Ren, sp. nov.

Sect. *Eriandria* Coh. St.

A *C. melliana* Hand. -Mazz. et *C. caudata* wall. foliis anguste lanceolatis, filamentis in totum connatis, tubo filamentorum multo longioribus, filamentis liberis valde brevibus differt.

Frutex, ramulis gracilibus pubescentibus, mox subglabrescentibus. Folia coriacea anguste lanceolata 3.5~4.5 cm longa, 8~10 mm lata, apice caudato-acuminata, basi cuneata, supra viridia nitida, ad costam puberula, subtus puberula vel glabrescentia, nervis lateralibus utrinque in-

conspicuis,, margine leviter crenulata, petiolis 3-4 mm longis pubescentibus. Flores albi axillares, pedicellis 3 mm longis pubescentibus, bracteis 4~5 ovatis circ. 1 mm longis puberulis, sepalis 5 ovatis 1.5~2 mm longis puberulis, petalis obovatis 5 circ. 1~1.2 cm longis basi paulo connatis subglabris, staminibus exsertis 1.4 cm longis, filamentis in totum connatis, tubo 1.2 cm longis extus subglabris intus pilosis, antheris ad marginem tubum filamentorum insertis, ovariis pilosis, stylis pubescentibus apice 3-fidis.

Guangdong: Fengkai, Heshiding Natural Reserve, Shimentan, alt 580m, in woods, H. T. Chang s. n., SYS Herb. no. 164316 (typus).

So far as we known, the filaments completely united into a long tube as seen from *Camellia* were found in Section *Calpandria* (i.e. *C. lanceolata* Seem. and *C. connata* Craib) only. of this new species, it is the third example found in the Section *Eriandria*, and is the first example found from China.

Schima Reinw.

1 *Schima xinyiensis* Chang et Z. Y. Su, sp. nov.

A *Schima crenata* Korth. foliis angustioribus, margine remote crenatis, petiolis brevioribus, pedicellis et sepalis multo brevioribus differt.

Arbor parva, ramulis glabris in sicco atro-brunneis. Folia coriacea anguste oblonga, 8~10 cm longa, 2.2~3 cm lata, apice acuminata, basi cuneata, supra in sicco atro-viridia opaca, subtus viridia glabra, nervis lateralibus utrinsecus 7 ut venulis reticulatis in utrinque obscuris, margine crenata dentis inter se 5-12 mm distantibus, petiolis 1~1.5 cm longis glabris. Flores ignoti. Capsula axillares subglobosa 2 cm in diameter, pedicellis 1.5 cm longis rubustis glabris, bracteolis 2 ad medium pedicellum dispositis, sepalis persistentibus semi-rotundatis coriacea 2.5 mm longis 4~5 mm latis extus glabris ciliatis.

Guangdong: Xin-Yi County, mt. Dawushan, Z. Y. Su 623, 978 (typus).

The lanceolate leaves with remote crenation and the short-robust petioles is very easy to distinguish the new species from those known species.

中国山茶科新植物

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摘要 本文记载了山茶科山茶属油茶组 2 新种及 1 新变种, 毛蕊茶组 1 新种, 木荷属 1 新种, 它们分别产于江西、广西及广东。

关键词 山茶属, 狭叶油茶, 管蕊油茶, 单籽油茶, 长管毛蕊茶, 木荷属, 信宜木荷

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