

Two new plant varieties from Putuo Island, Zhejiang Province

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Abstract: Two new varieties, *Ficus pumila* Linn. var. *microcarpa* G.Y. Li et Z.H. Chen and *Rhododendron simsii* Planch. var. *putuoense* G.Y. Li et Z.H. Chen were found on Putuo Island, Zhejiang Province. Compared to *F. pumila* var. *pumila*, *F. pumila* var. *microcarpa* had smaller achenes, elliptical or broadly elliptical leaves 2.0 – 4.0 cm in length and 1.7 – 2.6 cm in diameter with an obtuse apex, smaller leaves on fertile branchlets, and usually a roll down margin. Also, *R. simsii* var. *putuoense*, having a purplish red corolla, differed from *R. simsii* var. *simsii*. [En, 2 fig. 5 ref.]

Key words: botany; new variety; *Ficus pumila* var. *microcarpa*; *Rhododendron simsii* var. *putuoense*; Putuo Island; Zhejiang Province

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发现于浙江普陀山岛的 2 个植物新变种

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摘要: 报道了发现于浙江普陀山岛的 2 个植物新分类群, 分别是桑科 Moraceae 薜荔 *Ficus pumila* 的新变种小果薜荔 *Ficus pumila* Linn. var. *microcarpa* G. Y. Li et Z. H. Chen 和杜鹃花科 Ericaceae 映山红 *Rhododendron simsii* 的新变种普陀杜鹃 *Rhododendron simsii* Planch. var. *putuoense* G. Y. Li et Z. H. Chen。小果薜荔与原变种薜荔 *Ficus pumila* var. *pumila* 的区别是隐花果较小, 椭圆形或宽椭圆形, 稀近球形, 长 2.0 ~ 4.0 cm, 直径 1.7 ~ 2.6 cm, 顶端钝; 果枝之叶明显较小, 叶缘通常反卷。普陀杜鹃与原变种映山红 *Rhododendron simsii* var. *simsii* 的区别是花冠紫色。图 2 参 5

关键词: 植物学; 新变种; 小果薜荔; 普陀杜鹃; 普陀山岛; 浙江

中图分类号: Q949.4; S718.3

In 2008 – 2009, while investigating the plant resources of Putuo Island, we found a liana of *Ficus* (Moraceae), which shape look like *Ficus pumila*, and a shrub which is similar to *Rhododendron simsii* (Ericaceae) except the purplish red corolla. After checking the relevant specimens and documentation^[1-5], they were identified as two new taxa.

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1 *Ficus pumila* Linn. var. *microcarpa* G. Y. Li et Z. H. Chen, var. nov. (小果薜荔)

Species affinis *Ficus pumila* Linn. var. *pumila*, sed acheniis minuti, ellipticis vel latis ellipticis, raro subglobosis, 2 – 4 cm longis, 1.7 – 2.6 cm diameteris, apicibus obtusis; foliis fertilibus minuti, marginibus plerumque reflexis.

China. Zhejiang(浙江): Putuo Island(普陀山岛), Fodingshan(佛顶山), mountains, on rocks and trees, alt. 260 m, 2009-09-24, G. Y. Li, S. H. Jin, D. D. Ma, *et al.*(李根有, 金水虎, 马丹丹等) PT0909082(holotype, ZJFC, fruit). Figure 1-A-D.

This variety only found in the Putuo Island currently, and its distribution area is small, so that it needs special protection.

2 *Rhododendron simsii* Planch. var. *putoense* G. Y. Li et Z. H. Chen, var. nov. (普陀杜鹃)

Species affinis *Rhododendron simsii* Franch var. *simsii*, sed frutico semi-sempervirenti, floris purpureo.

China. Zhejiang(浙江): Putuo Island(普陀山岛), Baihuashan(白桦山), in shrubbery, alt. 43 m, 2008-03-30, G. Y. Li, S. H. Jin, D. D. Ma, *et al.*(李根有, 金水虎, 马丹丹等) PT08071(holotype, ZJFC, flower). Figure 2-A-B.

We found that all the wild plants of *Rhododendron* in Putuo Island were this variety.

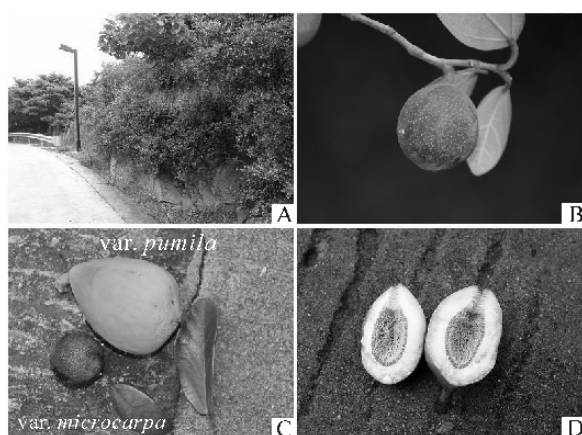


Figure 1 *Ficus pumila* var. *microcarpa* (A. the habitat; B. fruit; C. differences of fruit and leaf; D. the profile of hypenthium)

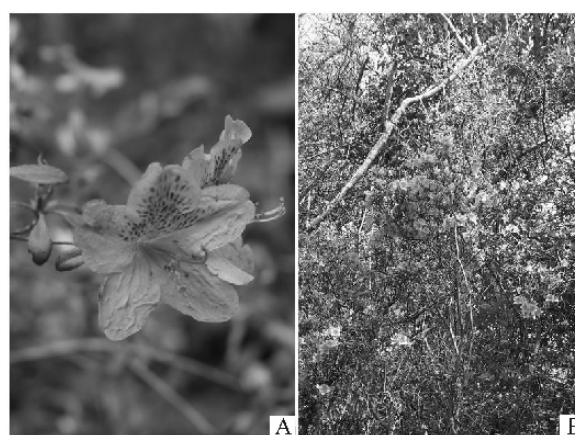


Figure 2 *Rhododendron simsii* var. *putoense* (A. flower; B. habitat)

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