

印度黄檀属(豆科)一新异名

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摘要: 在比较研究馆藏标本和原始文献的基础上, 确认 *Dalbergia beddomei* Thoth. 在小叶数目和毛被状况、荚果大小等方面的特征变异式样与锈红黄檀 *D. rubiginosa* Roxb. 相同, 两者为同种植物, 因此予以归并。

关键词: 锈红黄檀; *Dalbergia beddomei*; 黄檀属; 新异名; 分类

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A New Synonym of *Dalbergia* L. f. (Leguminosae) from India

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Abstract: Based on observation to the herbarium specimens and analysis on the protologues, *Dalbergia beddomei* Thoth. and *D. rubiginosa* Roxb. are conspecific because they have the same variation pattern in terms of the leaflet number and indument and legume sizes. It is therefore necessary to reduce *D. beddomei* as a new synonym of *D. rubiginosa*.

Key words: *Dalbergia rubiginosa*; *D. beddomei*; *Dalbergia* L. f.; New synonym; Taxonomy

Thothathri 认为产自印度的 R. H. Beddome 2549号标本与加德纳黄檀(*Dalbergia gardneriana* Benth.)相似, 但托叶形状、小叶数目、叶轴及叶背毛被和花序疏松等的特征有所不同, 并以此为模式发表新种 *D. beddomei* Thoth.^[1]。修订工作中, 我们认为二者在上述特征上确有不同, 可以区分。然而, 当我们将其与同样产于印度的锈红黄檀(*D. rubiginosa* Roxb.)进行比较后, 发现二者的形态特征难于区分, 需要进一步研究。

Roxburgh发表*D. rubiginosa* Roxb.时, 记载其小叶7枚, 两面无毛, 雄蕊10枚^[2]。之后, Roxburgh进一步完善了该种的描述, 记载其小叶为5~7枚^[3]。Prain基于更多标本对该种进行了补充描述, 记载其小叶上表面无毛, 下表面被微柔毛, 小叶常为5枚, 有时也为3或7枚, 雄蕊9枚^[4]。Thothathri记载该种小叶3~7枚, 小叶上表面无毛且发亮, 下表

面疏被柔毛, 雄蕊(9~)10(~11)枚^[5]。在后期的标本研究中, 我们也发现该种小叶毛被等性状的变异范围比较大。而Thothathri所编制的分种检索表中, 二者性状重叠严重, 不堪使用^[5]。经查阅更多馆藏标本并对模式标本进行充分研究之后, 我们观察到*D. rubiginosa*的小叶数为5~7枚, 极少为3或9枚, 小叶上表面无毛, 下表面却由近无毛到密被柔毛不等; 荚果的长度变异亦很大, 故很难将二者区分。在仔细对比了诸多分类学性状后, 认为*D. beddomei*的主要性状均包含在*D. rubiginosa*的变异范围之内(表1)。此外, 在分布范围上, *D. rubiginosa*广泛分布于印度的西部和南部, 而*D. beddomei*仅分布于印度南部的Kerala, 亦在前者分布范围之内。综上所述, 确认上述两种植物是同一物种, 故将*D. beddomei*归并至*D. rubiginosa*, 处理为后者的新异名。

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锈红黄檀(新拟) 图 1

Dalbergia rubiginosa Roxb., Pl. Coromandel 2: 9. pl. 115. 1799; Roxb., Fl. Ind. 3: 231. 1832; Kurz, J. Asiat. Soc. Bengal, Pt. 2, 45(2): 281. 1876; Prain, Ann. Roy. Bot. Gard. (Calcutta) 10(1): 63. 1904; Thoth., Tax. Revis. Dalbergieae Ind: 85. 1987. — *Amerimnon rubiginosum* (Roxb.) O. Kuntze, Revis. Gen. Pl. 1: 159. 1891. Lectotype: Roxb. Pl. Coromandel 2: pl. 115. 1798, designated by Thothathri (1987).

— *D. beddomei* Thoth., Proc. Indian Acad. Sci., Pl. Sci. 92: 23. 1983; Thoth., Tax. Revis. Dalbergieae Ind. 83. fig. 5. 1987. **syn. nov.** Type: India: Malabar: Silent Valley, R. H. Beddome 2459 (holo-, BM!).

标本引证: **INDIA** (印度). **Kerala**: R. H. Beddome 2460 (BM), Nair KKN 3236 (KFRI), Nair KKN 2821 (KFRI), Nair KKN 2824 (KFRI), T. R. Bell 6000 (K), T. R. Bell 3931 (K), T. R. Bell 5724 (CAL, K), N. C. Nair 81123 (CAL, K), N. C. Nair 81115 (CAL), N. C. Nair 71071 (CAL); **Tamil Nadu**: A. W. Lushington s. n. (K), K. M. Matthew 44193 (K), K. M. Matthew 48858 (K), K. M. Matthew 26686 (A), K. M. Matthew 25984 (K), Wight 823 (A, CAL, K), Wight 924 (CAL, E, K), Fischer 953 (CAL), K. M. Matthew 12494 (CAL); **Orissa**: Haines 4697 (K), Haines 4698 (K); **Karnataka**: R. Sundara Raghavan 96971 (CAL, MO), R. Sundara Raghavan 96988 (CAL, K), S. C. Hiremath 130 (K), W. U. Jallet s. n. (K), Talbot 3549 (CAL), Talbot 1687 (CAL), Talbot 1182 (CAL),



图 1 锈红黄檀。A: 锈红黄檀后选模式(Roxburgh, Pl. Coromandel 2: pl. 115. 1798); B: *Dalbergia beddomei* 模式[左上方为主模式; Beddome 2459(BM); 右下方为副模式; Beddome 2460 (BM)]。

Fig. 1 *Dalbergia rubiginosa* Roxb. A: Lectotype of *D. rubiginosa* (Roxburgh, Pl. Coromandel 2: pl. 115. 1798); B: Type of *D. beddomei* [top left is holotype: Beddome 2459 (BM); bottom right is paratype: Beddome 2460 (BM)].

表 1 *Dalbergia beddomei*和*D. rubiginosa* 的形态比较Table 1 Morphological comparison between *Dalbergia beddomei* and *D. rubiginosa*

		<i>Dalbergia beddomei</i>	<i>Dalbergia rubiginosa</i>
茎		攀援灌木	大型木质藤本, 有时为攀援灌木
Stem		Climbing shrub	Woody climber, sometimes climbing shrub
小叶	数量	5~7(~9)	(3~)5~7(~9)
Leaflet	Number		
	大小	2.5~5.5×1.2~2.2	2.3~6.5×1.4~3.5
	Size (cm)		
	形状	椭圆形或倒卵形	椭圆形至倒卵形
	Shape	Elliptic or obovate	Elliptic to obovate
	毛被	上面无毛, 下面被密被短柔毛	上面无毛, 下面疏被微柔毛至密被短柔毛不等
	Indument	Glabrous above, densely pubescent below	Glabrous above, slightly puberulous to densely pubescent below
	叶脉	侧脉近平行	侧脉近平行
	Venation	Secondary vein nearly parallel	Secondary vein nearly parallel
	小叶柄 (mm)	2.0~3.0, 被柔毛	1.5~3.0, 被柔毛
	Petiolule	2.0~3.0, Pubescent	1.5~3.0, Pubescent
花序	类型	圆锥花序	圆锥花序
Inflorescence	Type	Panicles	Panicles
	着生位置	腋生	腋生
	Position	Axillary	Axillary
花	长度	5.0~7.0	4.0~7.0
Flower	Length (mm)		
	花萼	2.5~3.5, 钟状	2.0~2.5, 钟状
	Calyx (mm)	2.5~3.5, Campanulate	2.0~2.5, Campanulate
	旗瓣	卵圆形, 先端圆或微凹	卵圆形, 先端凹缺
	Standard	Ovate-orbicular, apex round or slightly emarginate	Ovate-orbicular, apex emarginate
	翼瓣	长圆形, 两侧具耳	长圆形, 两侧具耳
	Wing	Oblong, both side with auricle	Oblong, both side with auricle
	龙骨瓣	半月形, 内侧具耳	半月形, 内侧具耳
	Keel	Lunate, inside with auricle	Lunate, inside with auricle
	雄蕊	9 枚, 单体	9~11 枚, 单体
	Stamens	9, Monodelphous	9~11, Monodelphous
荚果	形状	长圆形	长圆形至带状
Legume	Shape	Oblong	Oblong to strap-shaped
	大小	4.0~4.5×1.4~1.5	3.0~7.0×1.0~1.8
	Size (cm)		
种子	数量	1~2	1~2(~3)
Seed	Number		
	形状	?	肾形, 扁平
	Shape		Reniform, compressed

Talbot 70 (CAL), Arora 716 (CAL), Arora 706 (CAL), Joseph Fernandes 2273 (A, CAL); **Maharashtra?**, **Konkan?**: Stocks s. n. (A, CAL, K, P, US), Dalzell 130521, 130522 (CAL).

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