
New Combinations and Names in *Peponidium* and *Pyrostria* (Rubiaceae, Vanguerieae)

Sylvain G. Razafimandimbison

Bergius Foundation, Royal Swedish Academy of Sciences, and Botany Department, Stockholm University, SE-10691, Stockholm, Sweden.

Author for correspondence: sylvain.razafimandimbison@bergianska.se

Henrik Lantz

Systematic Botany Department, Uppsala University, SE-75236, Uppsala, Sweden.

henrik.lantz@ebc.uu.se

Birgitta Bremer

Bergius Foundation, Royal Swedish Academy of Sciences, and Botany Department, Stockholm University, SE-10691, Stockholm, Sweden. birgitta.bremer@bergianska.se

ABSTRACT. The newly circumscribed dioecious group (sensu Razafimandimbison et al.) of tribe Vanguerieae in the subfamily Ixoroideae (Rubiaceae) comprises over 200 species classified in four morphologically distinct genera: *Cyclophyllum* Hooker f., *Peponidium* (Baillon) Arènes, *Pyrostria* Commerson ex Jussieu, and one new genus affined to species of *Canthium* subg. *Bullockia* Bridson. Here, we present a total of 37 new combinations, 20 of which are in *Peponidium*: *P. alleizettei* (Dubard & Dop) Razafimandimbison, Lantz & B. Bremer, *P. andringitrense* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. ankaranense* (Arènes ex Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. anoveanum* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. arenesianum* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. blepharodon* (Arènes ex Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. boinense* (Arènes ex Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. bosseri* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. buxifolium* (Baker) Razafimandimbison, Lantz & B. Bremer (lectotypified here), *P. cystiporon* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. decaryi* (Homolle ex Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. humbertianum* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. latiflorum* (Homolle ex Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. mandrarensis* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. marojejyense* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. sahafaryense* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. subebenium* (K. Schumann) Razafimandimbison, Lantz & B. Bremer, *P. tamatavense* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. venulosum* (Boivin ex Baillon) Razafiman-

dimbison, Lantz & B. Bremer, and *P. viguieri* (Homolle ex Cavaco) Razafimandimbison, Lantz & B. Bremer. The other 17 new combinations are in *Pyrostria*: *P. ambongensis* (Homolle ex Arènes) Razafimandimbison, Lantz & B. Bremer, *P. ampijoroensis* (Arènes) Razafimandimbison, Lantz & B. Bremer, *P. ankaranensis* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. antsaloensis* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. asosa* (Arènes) Razafimandimbison, Lantz & B. Bremer, *P. capuronii* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. ixorifolia* (Homolle ex Arènes) Razafimandimbison, Lantz & B. Bremer, *P. longiflora* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. neriifolia* (Homolle ex Arènes) Razafimandimbison, Lantz & B. Bremer, *P. oleifolia* (Homolle ex Arènes) Razafimandimbison, Lantz & B. Bremer, *P. perrieri* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. revoluta* (Balfour f.) Razafimandimbison, Lantz & B. Bremer, *P. richardiae* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. sambavensis* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. suarezensis* (Cavaco) Razafimandimbison, Lantz & B. Bremer, *P. tulearensis* (Cavaco) Razafimandimbison, Lantz & B. Bremer, and *P. verdcourtii* (Cavaco) Razafimandimbison, Lantz & B. Bremer. Finally, three new names, *Peponidium sakalavense* Razafimandimbison, Lantz & B. Bremer, *Pyrostria antsiranensis* Razafimandimbison, Lantz & B. Bremer, and *Pyrostria louvelii* Razafimandimbison, Lantz & B. Bremer, are published here.

Key words: *Peponidium*, *Pyrostria*, Rubiaceae, Vanguerieae.

Recent molecular phylogenetic studies have been conducted by Razafimandimbison et al. (in press) based on sequence data from the nuclear external and internal transcribed spacer regions and the chloroplast *trnT-F* region. This work supports the establishment of largely new generic circumscriptions for the mostly dioecious group of the Paleotropical tribe Vanguerieae in the subfamily Ixoroideae s.l. (Rubiaceae). The dioecious group sensu Razafimandimbison et al. (in press) presently contains over 200 species classified in four morphologically distinct genera: an Afro-Malagasy new genus affined to the species of *Canthium* subg. *Bullockia* Bridson (Bridson, 1987), the Pacific and Australian *Cyclophyllum* Hooker f., the Malagasy-Comorian *Peponidium* (Baillon) Arènes (including all Comorian and Indian Ocean *Canthium* Lamarck species), and the Paleotropical *Pyrostria* Commerson ex Jussieu, including *Dinocanthium* Bremekamp (1933), *Leroya* Cavaco (1970), *Neoleroya* Cavaco (Cavaco, 1971), *Pseudopeponidium* Homolle ex Arènes (Arènes, 1960), and *Scyphochlamys* Balfour f. (Balfour, 1877). Here, we present 37 new combinations, of which 20 are in *Peponidium* and the other 17 in *Pyrostria*.

NEW COMBINATIONS AND NAME IN *PEPONIDIUM*

Peponidium comprises 47 species, all of which (except the Comorian *P. comorense* Arènes and *P. venulosum* (Boivin ex Baillon) Razafimandimbison, Lantz & B. Bremer) are endemic to Madagascar. The genus is diagnosed by its deciduous, small cupular bracts, which are located at the base of the peduncles and never enclose the young inflorescences. Twenty new combinations are presented below. The replacement *sakalavense* is necessary for *Canthium tsaratananense* Homolle ex Cavaco, as the name already exists as *Peponidium tsaratananense* Arènes (Arènes, 1960) for another species.

1. ***Peponidium alleizettei*** (Dubard & Dop) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pyrostria alleizettei* Dubard & Dop, as "*P. Alleizetti*," J. Bot., Sér. 2, 3: 24. 1925. *Canthium alleizettei* (Dubard & Dop) Cavaco, Adansonia, Sér. 2, 7: 358. 1967. TYPE: Madagascar. "Forêt de la Mandraka," *C. Alleizette* 3-12 (holotype, P 00093493; isotypes, P not seen, photos, P 00093494, P 00093495).
2. ***Peponidium andringitrense*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium andringitrense* Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 239. 1970-1971 [1972]. TYPE: Madagascar. "Massif de l'Andringitra (Iratsy), Vallées de la Riambava et de l'Antsifotra," *H. Humbert* 3764 (holotype, P

not seen, photo P 00093499; isotype, P 00093500).

3. ***Peponidium ankaranense*** (Arènes ex Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium ankaranense* Arènes ex Cavaco, Bull. Mus. Hist. Nat. (Paris), Sér. 2, 39: 1018. 1967 [1968]. TYPE: Madagascar. "Collines et plateaux de l'Ankarana (Province de Diégo-Suarez), forêt trophophile à l'Ouest d'Ambondrofe," 300 m, *H. Humbert* 18958 (holotype, P not seen, photo P 00093502; isotype, P 00093503).
4. ***Peponidium anoveanum*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium anoveanum* Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 220. 1970-1971 [1972]. TYPE: Madagascar. "Rocailles, torrents, bords de la Rivière Anove," 200 m, *H. Perrier de la Bâthie* 3972 (holotype, P not seen, photo P 00093505; isotype, P 00093506).
5. ***Peponidium arenesianum*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium arenesianum* Cavaco, Bull. Mus. Hist. Nat. (Paris), Sér. 2, 39: 1015. 1967 [1968]. TYPE: Madagascar. "Silve à lichens, Mt. Tsaratanana," 2200 m, *H. Perrier de la Bâthie* 16147 (holotype, P not seen, photo P 00093508; isotype, P 00093509).
6. ***Peponidium blepharodon*** (Arènes ex Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium blepharodon* Arènes ex Cavaco, Adansonia, Sér. 2, 7: 358. 1967. TYPE: Madagascar. "Massif du Manongarivo," *H. Perrier de la Bâthie* 3855 (holotype, P 00518172; isotype, P 00518171).
7. ***Peponidium boinense*** (Arènes ex Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium boinense* Arènes ex Cavaco, Bull. Mus. Hist. Nat. (Paris), Sér. 2, 39: 1019. 1967 [1968]. TYPE: Madagascar. s. loc., *H. Perrier de la Bâthie* 3697 (holotype, P 00518188).
8. ***Peponidium bosseri*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium bosseri* Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 224. 1970-1971 [1972]. TYPE: Madagascar. "Androranga, versant NE," *H. Perrier de la Bâthie* 3664 (holotype, P not seen, photo P 00518165; isotype, P 00518166).
9. ***Peponidium buxifolium*** (Baker) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Plectronia buxifolia* Baker, J. Linn. Soc., Bot. 21: 411. 1885. *Pyrostria buxifolia* (Baker) Hochreutiner, Annuaire Conserv. Jard. Bot. Genève 11: 99. 1908. *Canthium buxifolium* (Baker) Cavaco,

nom. illeg., *Adansonia*, Sér. 2, 7: 358. 1967. TYPE: Madagascar. s. loc., *R. Baron 3137* (lectotype, designated here, P 00518164; isotype, K not seen).

While describing *Plectronia buxifolia*, Baker (1886: 411) cited six syntypes (*Baron 274*, K not seen; *Baron 969*, K not seen; *Baron 1019*, K not seen; *Baron 2177*, K not seen; *Baron 2213*, K not seen; and *Baron 3137*, K not seen) without designating the type specimen of his new species.

- 10. *Peponidium cystiporon*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium cystiporon* Bynum ex Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 229. 1970–1971 [1972]. TYPE: Madagascar. Nossi-bé, “Forêt de Loucoubé,” *L. H. Boivin 2051/4* (holotype, P 00518159; isotype, P 00518160).
- 11. *Peponidium decaryi*** (Homolle ex Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium decaryi* Homolle ex Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 221. 1970–1971 [1972]. TYPE: Madagascar. “Vallée de l’Ikopa, au nord-ouest d’Ankazobe,” *R. Decary 7562* (holotype, P 00518155).
- 12. *Peponidium humbertianum*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium humbertianum* Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 222. 1970–1971 [1972]. TYPE: Madagascar. “Massif du Kalambanitra (centre-sud): Mt. Beanjavidy,” *H. Humbert 12047* (holotype, P 00518153; isotypes, P not seen, photos, P 00518151, P 00518152).
- 13. *Peponidium latiflorum*** (Homolle ex Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium latiflorum* Homolle ex Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 221. 1970–1971 [1972]. TYPE: Madagascar. “Analamazaotra,” *H. Perrier de la Bâthie 4001* (holotype, P not seen, photo P 00518147; isotype, P 00518148).
- 14. *Peponidium mandrareense*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium mandrareense* Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 238. 1970–1971 [1972]. TYPE: Madagascar. “Bassin de réception de la Mananara, affluent du Mandrare, pentes occidentales des montagnes entre l’Andohahela et l’Elakelaka, au Vatazo (S. d’Imonty),” 900–950 m, *H. Humbert 14062* (holotype, P not seen, photo P 00518140; isotype, P 00518141).
- 15. *Peponidium marojejense*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov.

Basionym: *Canthium marojejense* Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 227. 1970–1971 [1972]. TYPE: Madagascar. “Pentes occidentales du Massif de Marojejy (nord-Est), bassin de la Lokoho, à l’Est d’Ambalamanasy II, District d’Andapa, forêt ombrophile sur latérite de gneiss,” 450–800 m, *H. Humbert 22140* (holotype, P not seen, photo P 00518142; isotype, P 00518143).

- 16. *Peponidium sakalavense*** Razafimandimbison, Lantz & B. Bremer, nom. nov. Replaced name: *Canthium tsaratananense* Homolle ex Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 230. 1970–1971 [1972], non *Peponidium tsaratananense* Arènes, Not. Syst. (Paris) 16: 38. 1960. TYPE: Madagascar. “Forêt à sous-bois herbacé, Massif de Tsaratanana,” 1200 m, *H. Perrier de la Bâthie 15379* (holotype, P 00518030; isotypes, P not seen, photos, P 00518028, P 00518029).

The specific epithet “*tsaratananense*” cannot be used in combination with *Peponidium*, as it would be a later homonym of *Peponidium tsaratananense* Arènes (Arènes, 1960). The replacement *sakalavense* refers to the name of the native tribe Sakalava, which occupies most of the Sambirano region (including Tsaratanana Mountain).

- 17. *Peponidium sahafaryense*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium sahafaryense* Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 225. 1970–1971 [1972]. TYPE: Madagascar. “Forêt Anala-fondro, au pied Sud-Est du Plateau de Sahafary (bassin inférieur du Rodo),” *Service Forestier 24513* (holotype, P not seen, photo P 00518036; isotype, P 00518037).
- 18. *Peponidium subevenium*** (K. Schumann) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Plectronia subevenia* K. Schumann, Bot. Jahrb. Syst. 28: 78. 1899. *Pyrostria subevenia* (K. Schumann) Hochreutiner, Annuaire Conserv. Jard. Bot. Genève 11–12: 99. 1908. TYPE: Madagascar. s. loc., *J. Hildebrandt 3917* (holotype, P 00518110).
- 19. *Peponidium tamatavense*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium tamatavense* Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 225. 1970–1971 [1972]. TYPE: Madagascar. Tamatave, “Vohimarangitra,” *Réserves Naturelles (Rakotonina) 2438* (holotype, P not seen, photo P 00518035; isotypes, P 00518033, P 00518034).
- 20. *Peponidium venulosum*** (Boivin ex Baillon) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium venulosum* Boivin ex

Baillon, *Adansonia* 12: 221. 1878. TYPE: Mayotte. "Bords de ruisseau de Moussa Péré, dans les bois au pied de la cascade," *L. H. Boivin s.n.* (holotype, P not seen, photo P 00209480).

21. ***Peponidium viguieri*** (Homolle ex Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium viguieri* Homolle ex Cavaco, *Portugaliae Acta Biol., Sér. B, Sist.* 11: 227. 1970–1971 [1972]. TYPE: Madagascar. "Forêt d'Analamazaotra," 800 m, *H. Perrier de la Bâthie 6939* (holotype, P 00498791; isotype, P not seen, photo P 00518027).

NEW COMBINATIONS AND NAMES IN *PYROSTRIA*

Pyrostria comprises at least 70 species, of which 42 species plus at least 10 new undescribed species are restricted to Madagascar (Davis & Bridson, 2003; Razafimandimbison et al., in press), 14 species confined to mainland Africa (Bridson, 1987), and eight species endemic to the Mascarenes (Verdcourt, 1983). The number of species of the Southeast Asian *Pyrostria* group B sensu Bridson (1987) is currently unknown. We present 17 new combinations below; replacements are necessary for *Leroya madagascariensis* Cavaco (Cavaco, 1970) and *Pseudopeponidium analamazaotrense* Cavaco (Cavaco, 1966) because names already exist as *Pyrostria madagascariensis* Lecomte (Lecomte, 1922) and *P. analamazaotrensis* Arènes ex Cavaco (Cavaco, 1967), both of which coincidentally pertain to different Malagasy species.

1. ***Pyrostria ambongensis*** (Homolle ex Arènes) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium ambongense* Homolle ex Arènes, *Not. Syst. (Paris)* 16: 23. 1960. TYPE: Madagascar. Soahanina, "sous-bois calcaires près de la mer," *H. Perrier de la Bâthie 3599* (holotype, P 00093803; isotype, P not seen, photo P 00093804).
2. ***Pyrostria ampijoroensis*** (Arènes) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium ampijoroense* Arènes, *Not. Syst. (Paris)* 16: 24. 1960. TYPE: Madagascar. [Ouest], "Jardin botanique #4, Ampijoroa-Marovoay," *Service Forestier 7877* (holotype, P 00093807; isotype, P not seen, photo P 00093808).
3. ***Pyrostria ankaranensis*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium ankaranense* Cavaco, *Adansonia, Sér. 2, 7*: 361. 1967. TYPE: Madagascar. "Plateau de l'Ankarana, rochers et lapiaz calcaires dominantes la rive droite de la Rivière d'Andranakoho (P. k. 103 de la route Diego-

Ambilobe)," *Service Forestier 23176* (holotype, P 0093817; isotypes, P 00093818, P 00093819).

4. ***Pyrostria antsalovensis*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium antsalovense* Cavaco, *Adansonia, Sér. 2, 7*: 42. 1967. TYPE: Madagascar. [Ouest], "Forêt et savoka sur sables et grès de Tsimembo vers Tsaranandakana, Ankilomioky et Ambereny (Sud-ouest d'Antsalova)," *J. Léandri 2291* (holotype, P not seen, photo P 00518075; isotypes, P 00518176, P 00518177).
5. ***Pyrostria antsirananensis*** Razafimandimbison, Lantz & B. Bremer, nom. nov. Replaced name: *Leroya madagascariensis* Cavaco, *Adansonia, Sér. 2, 10*: 337. 1970, non *Pyrostria madagascariensis* Lecomte, *Bull. Mus. Hist. Nat.* 28: 376. 1922. TYPE: Madagascar. [Ouest], "Secteur Nord, au P. k. 10 de la route Diégo Suarez-Orangea," *Service Forestier 22946* (holotype, P 00259370).
- The Malagasy genus *Leroya* was originally spelled as "*Leroya*" by Cavaco (1970). However, the author changed the original spelling to "*Leroya*" when describing his new genus *Neoleroya* (Cavaco, 1971). The replacement *antsirananensis* is based on the name of the northern province of Madagascar, to which the species is restricted.
6. ***Pyrostria asosa*** (Arènes) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium asosa* Arènes, *Not. Syst. (Paris)* 16: 22. 1960. TYPE: Madagascar. [Sud-Est], "Haniliha-Fort-Dauphin," *Réserves Naturelles 6741* (holotype, P 00259381).
7. ***Pyrostria capuronii*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium capuronii* Cavaco, *Adansonia, Sér. 2, 7*: 359. 1967. TYPE: Madagascar. [Extrême limite orientale], "Pentes moyennes et supérieures (entre 300 et 500 m) du Massif du Vohitsiandriana (au sud-ouest de Fort-Dauphin)," *Service Forestier 22390* (holotype, P not seen, photo P 00518071; isotype, P 00518072).
8. ***Pyrostria ixorifolia*** (Homolle ex Arènes) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium ixorifolium* Homolle ex Arènes, *Not. Syst. (Paris)* 16: 22. 1960. TYPE: Madagascar. s. loc., *R. Baron 6619* (holotype, P 00518182).
9. ***Pyrostria longiflora*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium longiflorum* Cavaco, *Bull. Mus. Hist. Nat., Sér. 2, 38*: 701. 1966. TYPE: Madagascar. "Fort-Dauphin, Réserves Naturelles," *Réserves Naturelles 7480* (holotype, P 00518183; isotype, P 00518184).

- 10. *Pyrostria louvelii*** Razafimandimbison, Lantz & B. Bremer, nom. nov. Replaced name: *Pseudopeponidium analamazaotrense* Cavaco, Bull. Mus. Hist. Nat., Sér. 2, 38: 700. 1966, non *Pyrostria analamazaotrensis* Arènes ex Cavaco, Bull. Mus. Hist. Nat., Sér. 2, 39: 1018. 1967 [1968]. TYPE: Madagascar. "Forêt d'Analamazaotra," *M. Louvel* 133 (holotype, P 00518181).
- The new epithet *louvelii* honors Modeste Louvel, a French forester based in Madagascar for nearly 40 years (1901–1939) (Dorr, 1997) who collected the type specimen.
- 11. *Pyrostria neriifolia*** (Homolle ex Arènes) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium neriifolium* Homolle ex Arènes, Not. Syst. (Paris) 16: 23. 1960. TYPE: Madagascar. [Ouest], "Environs de Majunga," *H. Perrier de la Bâthie* 1661 (holotype, P 00518218; isotype, P 00518219).
- 12. *Pyrostria oleifolia*** (Homolle ex Arènes) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium oleifolium* Homolle ex Arènes, Not. Syst. (Paris) 16: 24. 1960. TYPE: Madagascar. Prov. Diégo-Suarez, "Analamerana," 50–400 m, *H. Humbert* 19146 (holotype, P 00518086).
- 13. *Pyrostria perrieri*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Canthium perrieri* Cavaco, Portugaliae Acta Biol., Sér. B, Sist. 11: 240. 1970–1971 [1972]. TYPE: Madagascar. "Forêt d'Analamazaotra," 800 m, *H. Perrier de la Bâthie* 6890 (holotype, P 00518131; isotypes, P not seen, photos, P 00518132, P 00518133, P 00518134).
- 14. *Pyrostria revoluta*** (Balfour f.) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Scyphochlamys revoluta* Balfour f., J. Linn. Soc., Bot. 16: 14–15. 1877. TYPE: Rodrigues. *I. Balfour s.n.* (lectotype, designated by Verdcourt, 1983: 567, K; isotype, S).
- The inclusion of *Scyphochlamys revoluta* in *Pyrostria* is based on its phylogenetic position within *Pyrostria* according to Razafimandimbison et al. (in press). In addition, the presence of an involucre in this species is interpreted as a further development of the persistent and basally connate, long-acuminate, paired bracts subtending the inflorescences of other *Pyrostria* species.
- 15. *Pyrostria richardiae*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Leroya richardiae* Cavaco, Kew Bull. 28: 349–350. 1973. TYPE: Madagascar. [Western region], "Ampijoroa, Ankarafantsika, Jardin botanique," *A. Richard* 800 (holotype, K).
- 16. *Pyrostria sambavensis*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium sambavense* Cavaco, Adansonia, Sér. 2, 9: 45. 1969. TYPE: Madagascar. [Nord-Est], "Forêt littorale, sur sable, au Sud de Sambava," *Service Forestier* 24925 (holotype, P 00518178; isotypes, P not seen, photos, P 00498793, P 00518179).
- 17. *Pyrostria suarezensis*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium suarezense* Cavaco, Adansonia, Sér. 2, 9: 45. 1969. TYPE: Madagascar. [Nord], Diégo-Suarez, s. loc., *Service Forestier* 6206 (holotype, P 00518180).
- 18. *Pyrostria tulearensis*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Pseudopeponidium tulearensis* Cavaco, Adansonia, Sér. 2, 9: 43. 1969. TYPE: Madagascar. "Région de Tuléar, Ankazoabo," *R. Decary* 16266 (holotype, P 00518177).
- 19. *Pyrostria verdcourtii*** (Cavaco) Razafimandimbison, Lantz & B. Bremer, comb. nov. Basionym: *Neoleroya verdcourtii* Cavaco, Adansonia, Sér. 2, 11: 122. 1971. TYPE: Madagascar. [Ouest], "Secteur Nord, entre Antsakoabe et Anivorano-Nord (au P. k. 67 de la route de Diégo-Suarez-Ambilobe)," *Service Forestier* 23115 (holotype, P 00259372; isotypes, P not seen, photos, P 00518189, P 00518190).

Acknowledgments. We thank Aaron Davis at the Royal Botanic Gardens, Kew, for kindly sharing with us his personal notes on the dioecious Malagasy Vanguerieae, Bee Gunn for help locating old literature, and Zachary Rogers, Gordon McPherson, and Victoria Hollowell for their comments and suggestions on an earlier version of the manuscript. This study was funded by the Bergius Foundation and the Swedish Research Council to BB.

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