

Seed morphology and surface microstructure of the genus *Plectranthus* L. (Lamiaceae) in Arabian peninsula with highlighting on their systematic implications

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Supplementary data

List of *Plectranthus* taxa and specimens studied according to (Wood, 1997; Collenette, 1999; Chaudhary, 2001).

1. *Plectranthus amboinicus* (Lour.) Spreng: Tanzania, Not specified, Mhoro, Boniface 382 (E); Laizer et al. 1532 (K); Dschallasee, Kilimandscharo, Volkens 321 (K); Yemen, cultivated, not specified (K).
2. *Plectranthus arabicus* E. A. Bruce: Saudi Arabia, Jazan, Gabal Fayfa, Abdel Khalik s. n. (UQU); Gabal Fayfa, 100 km NE of Trajam, on steep SW approach road, S. Collenette 3570 (E, K).
3. *Plectranthus asirensis* J. R. I. Wood: Saudi Arabia, Wadi Al-ouse, A.K. Nashar IH 98 (E); Jabal Fayfa, Jizan, Taku Miyazaki 10203 JF H20 (E); Jazan, Gabal Fayfa, Abdel Khalik & Al-Ozekii s.n. (UQU); Raydah village, Abha city, Taku Miyazaki 10205RV 2445 (E).
4. *Plectranthus barbatus* Andrews: Saudi Arabia, Jazan, Gabal Fayfa, Abdel Khalik s.n. (UQU); Jabal Fayfa, S. Chaudary 385 (E); Taif, near Al Hadda, S. Collenette 2387 (K); Raydah village, Abha city, Taku Miyazaki 990906R4 (E); Oman, Dhofar, Jabal Qara, wadi Ayn Arzad, Miller 2154 (E).
5. *Plectranthus cylindraceus* Hochst. ex Benth: Saudi Arabia, Abha, Wadi Aluss, Abdel Khalik & Howldars s. n. (UQU); Wadi Aluss, Jabal Sawdah, near police station, S. Collenette 6364 (E, K); Jabal Shada, 25 Km north of Mikhas, S. Collenette 9306 (E, K); Oman, Wadi 5 km north of

"Raven's Roost" on Salalah - Thamrait road , Miller, Anthony 2514 (E); Dhofar: Shahayt, (Shaath), McLeish, Ian 2667 (E).

6. *Plectranthus hadiensis* (Forssk.) Schweinf. ex Sprenger: Yemen, Jabal Ras, 15 km NE of Hays, Miller & Long 3485 (K); Oman, Dhahirah: Buraymi Oasis, Edmondson, John Richard 3042 (E); West Hajar Mountains: Kahanet, Edmondson, John Richard 3395; Kaftawt-Aruqm Road, Dhofar, Maconochie, J.R. 3141 (E).

7. *Plectranthus hijazensis* K. Abdel Khalik: Saudi Arabia, Al Baha, in area of Saad Medhas, Abdel Khalik & Howldar s.n. (UQU); Agabat Al-Abna, SE Buljurashi, Fayed 13922 (K); Near Taif, 15 Km SW of Al-Hadda, S. Collenette 1554 (K); Near Jabal Ibrahim of Taif, Al Baha road , S. Collenette 3552(K, E).

8. *Plectranthus hyemalis* J.R.I.Wood: Yemen, Jabal Harir, Lavranos 7460 (K, E); between Musalla and Saqool, Ahkum, Wood 1532 (K); Bisset 295a (K).

9. *Plectranthus ignarius* (Schweinf.) Agnew: Yemen, Hodeida to Menackha, Khahis Beni Saad, Wood 2109 (E, K).

10. *Plectranthus lanuginosus* (Hochst.ex Benth.) Agnew: Yemen, Hoogardah at Akahila, near Turba, Wood 1429; Jabel Sumara, Wood 1968 (K, E).

11. *Plectranthus ovatus* Benth.: Yemen, near Nagd Al Ahmar, Taiz, Wood 1701 (K); south of Ibb, Wood 3334 (E).

12. *Plectranthus pseudomarrubioides* R. H. Willemse: Saudi Arabia, Jazan, Gabal Fayfa, Abdel Khalik & Al-Ozekii s.n. (UQU).

13. *Plectranthus tenuiflorus* (Vatke) Agnew: Saudi Arabia, Jazan, in area of Gabal Fayfa, Abdel Khalik s.n. (UQU); Wadi Aluss, Jabal Sawdah, near police station, Collenette 3119 (K, E); Yemen, Wadi Dur, Udayn, Wood 2003 (K).