

Two new combinations and a new name in *Bulbophyllum* THOUARS (Orchidaceae)

M. Kiehn* & A. Sieder*

Zusammenfassung

Es werden neue Taxa in *Bulbophyllum* s.l. publiziert: *Bulbophyllum glebodactylum* (SUAREZ & COOTES) SIEDER & KIEHN für *Epicranthes glebodactyla* SUAREZ & COOTES, *Bulbophyllum puluogensis* (AVER. & AVERYANOVA) SIEDER & KIEHN für *Hamularia puluogensis* AVER. & AVERYANOVA, und *Bulbophyllum schwarzii* SIEDER & KIEHN als neuer Name für *Cirrhopetalum roseopunctatum* GARAY, HAMER & SIEGERIST.

Abstract

Two new combinations and a new name for taxa belonging to the genus *Bulbophyllum* s.l. are published: *Bulbophyllum glebodactylum* (SUAREZ & COOTES) SIEDER & KIEHN for *Epicranthes glebodactyla* SUAREZ & COOTES, *Bulbophyllum puluogensis* (AVER. & AVERYANOVA) SIEDER & KIEHN for *Hamularia puluogensis* AVER. & AVERYANOVA, and *Bulbophyllum schwarzii* SIEDER & KIEHN, a new name for *Cirrhopetalum roseopunctatum* GARAY, HAMER & SIEGERIST.

Key words: Orchidaceae, *Bulbophyllum*; *B. glebodactylum*, *B. puluogensis*, *B. roseopunctatum*, *B. schwarzii*, *Cirrhopetalum roseopunctatum*, *Epicranthes glebodactyla*, *Hamularia puluogensis*.

Introduction

In the context of work on the CITES checklist for the orchid genus *Bulbophyllum* (KIEHN & SIEDER 2003, KIEHN 2007, SIEDER & al. 2009), several taxonomic changes were already published (SIEDER & KIEHN 2009). During the preparation of the follow-up of this checklist, the need for three additional taxonomic changes became obvious. They are presented here.

Results and Discussion

In the *Bulbophyllum*-checklist of SIEDER & al. (2009), the genera *Cirrhopetalum* and *Epicranthes* are treated as part of *Bulbophyllum* s.l.. During the preparation of the checklist, however, *Cirrhopetalum roseopunctatum* GARAY, HAMER & SIEGERIST was overlooked. This taxon needs a new name in *Bulbophyllum*, as a species named *Bulbophyllum roseopunctatum* was already described by SCHLECHTER (1913).

Epicranthes glebodactyla SUAREZ & COOTES was described after the manuscript of the checklist went to the printer (SUAREZ & COOTES, 2009), and therefore has no name in *Bulbophyllum*, yet.

* Dr. Michael Kiehn, Anton Sieder, Botanical Garden, University of Vienna, Rennweg 14, 1030 Vienna, Austria — michael.kiehn@univie.ac.at

The genus *Hamularia* was kept as a separate genus in the checklist of SIEDER & al. (2009). Taking the broad generic concept for *Bulbophyllum* s.l. applied in SIEDER & al. (2009) into account, however, a taxonomic treatment of *Hamularia* as part of *Bulbophyllum* s.l. seems more appropriate. Only for *Hamularia puluongenensis* AVER. & AVERYANOVA, the type species of this genus of four species, no name in *Bulbophyllum* is available up to now.

Consistent with the taxonomic treatment of the other species attributed to satellite genera of the genus *Bulbophyllum* s.l., the following name change and new combinations are needed.

***Bulbophyllum schwarzii* SIEDER & KIEHN nom.n.**

≡ *Cirrhopetalum roseopunctatum* GARAY, HAMER & SIEGERIST, Lindleyana. 10: 179 (1995).

Type: Cultivated material (origin probably Viet Nam, Langbian Plateau), s. dat, Tempera s. n. [AMES].

Fig.: GARAY & al. (1995), Fig. 4, p. 181.

Non *Bulbophyllum roseopunctatum* SCHLTR.: SCHLECHTER (1913). Type: Schlechter 16291 (B, destroyed). Origin: New Guinea, Kaiser-Wilhelms-Land: Auf Bäumen in den Gebirgswäldern von Albo, im Minjemgebiet, c. 400 m. s.m, 7.1907 Schlechter. Fig.: SCHLECHTER (1923–1928), Tafel CCLVI, Nr. 978.

Named after Ing. Wilhelm Schwarz (1915–1990), 3rd president of the Austrian Orchid Association (1965–1982), and organiser of the „1. European Orchid Conference“ (Vienna, 1967).

***Bulbophyllum glebodactylum* (SUAREZ & COOTES) SIEDER & KIEHN comb.n.**

≡ *Epicranthes glebodactyla* SUAREZ & COOTES, Orchideen J. 16: 118–119 (2009).

Type: Philippines, ex Dalton Pass, Nueva Vizcaya, Luzon; cultivated at Mabitac, Laguna, Philippines., 8.6.2008 Suarez s.n. [NSW 773437].

Fig.: SUAREZ & COOTES (2009): 117 and 118.

***Bulbophyllum puluongenensis* (AVER. & AVERYANOVA) SIEDER & KIEHN comb.n.**

≡ *Hamularia puluongenensis* AVER. & AVERYANOVA: Komarovia 4: 17–19 (2005).

Type: Viet Nam, Thanh Hoa Prov., Ba Thuoc Distr., Thanh Son municipality, the middle part of Pu Luong range around the point 20°28'14" N, 105°05'34" E, 1450–1550 m s.m., 9.10.2003 Averyanov & al. HAL 4181 [holo HN, iso LE].

Fig.: AVERYANOV & AVERYANOVA (2005), Fig. 9, p. 18.

Acknowledgements

The authors are grateful to the Austrian Ministry for Agriculture, Forestry, Environment and Water Management for ongoing support for the CITES checklist project. Dr Robert Vogt, Herbarium, Botanical Garden and Botanical Museum Berlin-Dahlem (B), is thanked for providing information about the type of *Bulbophyllum roseopunctatum*, and Dr Peter H. Weston, National Herbarium of New South Wales, Sydney, Australia (NSW), for information about the type of *Epicranthes glebodactyla*.

References

AVERYANOV L. V., AVERYANOVA A. L., 2005: New orchids from Vietnam. – Komarovia 4: 1–35.

- GARAY L.A., HAMER F. & SIEGERIST, E.S., 1995: Inquilia Orchidacea. Orchidaceae Plauerumque Levyanae. – Lindleyana. 10 (3): 174–182.
- KIEHN M. & SIEDER A., 2003: First steps towards the preparation of a CITES checklist for *Bulbophyllum*. Convention on international trade in endangered species of wild fauna and flora. Thirteenth meeting of the Plants Committee, Geneva (Switzerland), 12–15 August 2003. PC 13 Inf. 9: 2. – <http://www.cites.org/common/com/PC/13/X-PC13-09-inf.pdf> (visited 27.05.2010).
- KIEHN M., 2007: Box 9. The CITES-*Bulbophyllum* checklist-projects at the Botanical Garden, University of Vienna. – In: OLDFIELD S. & MCGOUGH N. (comp.): A CITES manual for botanic gardens. Second edition. Botanic Gardens Conservation International, Richmond, United Kingdom, p. 18.
- SCHLECHTER R., 1911–1914: Die Orchidaceen von Deutsch Neu Guinea. – Repert. Spec. Nov. Regni Veg. Beih. 1: 1–1079.
- SCHLECHTER, R. 1923-1928: Figuren-Atlas zu den Orchidaceen von Deutsch-Neu-Guinea. – Feddes Repert. Spec. Nov. Regni Veg. 21: Tafel 1–1040.
- SIEDER A., KIEHN M., 2009: Annex I. New names, combinations and synonyms in *Bulbophyllum* THOUARS. – In: SIEDER A., RAINER H. & KIEHN, M. (comp.): CITES Orchid Checklist, Volume 5. *Bulbophyllum* and allied taxa (Orchidaceae): 402–407. – Kew: Kew Publishing.
- SIEDER A., RAINER H. & KIEHN M. (comp.), 2009: CITES Orchid Checklist, Volume 5. *Bulbophyllum* and allied taxa (Orchidaceae). – Kew: Kew Publishing.
- SUAREZ, W. & COOTES J., 2009: Zwei neue Orchideenarten der Philippinen. Two New Orchid species from the Philippines. – Orchideen J. 16 (2): 116–119.