

## GENERA ET SPECIES ORCHIDALIUM. 5

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**Abstract:** Nomenclatural changes and corrections in European and African Orchidaceae of the tribe Orchideae are proposed.

**Key words:** Orchidaceae, Orchideae, Europe, Africa

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Continuing our work on *Genera et species Orchidaliium*, we found it necessary to propose some nomenclatural changes and corrections in the tribe Orchideae.

### 1. Tribe ORCHIDEAE

#### 1.1. Subtribe ORCHIDINAE

##### 1. *Anteriorchis* E. Klein & D. Strack

Phytochemistry **28**(8): 2136. 1989.

The species of this genus have galea formed of all tepals, contiguous to each other up to the apex, a 3-lobed lip with an entire median lobe, a conical, downward-curved nectiferous spur, and leafy floral bracts.

In addition to the two species transferred to this genus by Klein & Smith (1989), viz., *Orchis coriophora* L. and *O. sancta* L., a third one, *O. fragrans* Pollini, which shares their characteristic features, should be included in *Anteriorchis* as well. The required new combination is validated below.

*Anteriorchis fragrans* (Pollini) Szlach., *comb. nov.*

Basionym: *Orchis fragrans* Pollini, Elem. Bot. **2**: 155. 1811.

##### 2. *Barlia* Parl.

Due Nuov. Gen. Monocot.: 5. 1858.

A genus characterized by large, leafy floral bracts, at least in the lower flowers, a more or less 4-lobed lip, and a short, conical spur with a very broad entrance exposing a large stigmatic surface. The tepals form a rather loose galea.

*Barlia canarensis* (Lindl.) Szlach., *comb. nov.*

Basionym: *Orchis canariensis* Lindl., Gen. Sp. Orchid. Pl.: 263. 1835.

*Barlia cazorlensis* (Lacaita) Szlach., *comb. nov.*

Basionym: *Orchis cazorlensis* Lacaita, Cavanillesia **3**: 35. 1930.

*Barlia collina* (Banks & Solander) Szlach., *comb. nov.*

Basionym: *Orchis collina* Banks & Solander in Russell, Nat. Hist. Aleppo, ed. 2, **2**: 264. 1798.

*Barlia patens* (Desf.) Szlach., *comb. nov.*

Basionym: *Orchis patens* Desf., Fl. Atlant. **2**: 318, t. 248. 1799.

*Barlia prisca* (Hautzinger) Szlach., *comb. nov.*

Basionym: *Orchis prisca* Hautzinger, Pl. Syst. Evol., **124**(4): 311. 1976.

***Barlia spitzelii*** (Sauter ex W. D. J. Koch) Szlach., *comb. nov.*

Basionym: *Orchis spitzelii* Sauter ex W. D. J. Koch, Syn. Fl. Germ.: 686. 1837.

### 3. ***Vermeulenia*** Á. Löve & D. Löve

Acta Bot. Neerl. **21**(5): 554. 1972.

A monotypic genus easily distinguishable from *Orchis* s. str. by its lip form which is fan-shaped, unlobed, shallowly concave and subhorizontally oriented. The tepals are free and form a rather loose galea. The taxonomic status of *Orchis cyrenaica* E. A. Durand & Barratte is unclear. Hence, I decided to treat it as a variety of *Vermeulenia papilionacea*.

***Vermeulenia papilionacea*** (L.) Á. Löve & D. Löve

Acta Bot. Neerl. **21**(5): 554. 1972.

– var. ***bruhsiana*** (Gruner) Szlach., *comb. et stat. nov.*

Basionym: *Orchis bruhsiana* Gruner, Bull. Soc. Imp. Naturalistes Moscou **4**: 463. 1867.

– var. ***cyrenaica*** (E. A. Durand & Barratte) Szlach., *comb. et stat. nov.*

Basionym: *Orchis cyrenaica* E. A. Durand & Barratte, Fl. Libycae Prodr.: 226. 1910.

– var. ***grandiflora*** (Boiss.) Szlach., *comb. nov.*

Basionym: *Orchis papilionacea* var. *grandiflora* Boiss., Voy. Bot. Espagne **2**: 592. 1842.

– var. ***heroica*** (E. D. Clarke) Szlach., *comb. nov.*

Basionym: *Orchis heroica* E. D. Clarke, Trav. Eur., Asia & Africa **2**(1): 117. 1812.

#### 1.2. Subtribe **ROPEROCHARIDINAE** Szlach. & Rutk.

Acta Bot. Fenn. **1**: 149. 2000.

### 4. ***Montolivaea*** Rchb. f.

Otia Bot. Hamburg.: 107. 1881.

TYPE: *Montolivaea elegans* Rchb. f., Otia Bot. Hamburg.: 107. 1881.

*Pseudoperistylus* (P. F. Hunt.) Szlach. & Olsz., Fl. Cameroun **34**(1): 210. 1998.

When proposing a generic status for *Habenaria* sect. *Pseudoperistylus* P. F. Hunt, we (Szlachetko & Olszewski 1998) were unaware that Reichenbach had described a genus *Montolivaea*, with *M. elegans* as its sole species, which shares all features characteristic of *Pseudoperistylus*. Below I propose new combinations for the species belonging to this genus.

***Montolivaea attenuata*** (Hook. f.) Szlach., *comb. nov.*

Basionym: *Habenaria attenuata* Hook. f., J. Linn. Soc. **7**: 221. 1864.

*Pseudoperistylus attenuatus* (Hook. f.) Szlach. & Olsz., Fl. Cameroun **34**(1): 216. 1998.

***Montolivaea bequaertii*** (Summerh.) Szlach., *comb. nov.*

Basionym: *Habenaria bequaertii* Summerh., Kew Bull. **1953**: 130. 1953.

*Roeperocharis bequaertii* (Summerh.) Szlach., Fragm. Flor. Geobot., Suppl. **3**: 114. 1995.

*Pseudoperistylus bequaertii* (Summerh.) Szlach. & Olsz., Fl. Cameroun **34**(1): 214. 1998.

***Montolivaea bracteosa*** (A. Rich.) Szlach., *comb. nov.*

Basionym: *Habenaria bracteosa* A. Rich., Tent. Fl. Abyss. **2**: 292. 1850.

*Pseudoperistylus bracteosus* (A. Rich.) Szlach. & Olsz., Fl. Cameroun **34**(1): 220. 1998.

***Montolivaea clarencensis*** (Rolfe) Szlach., *comb. nov.*

Basionym: *Habenaria clarencensis* Rolfe in Dyer, Fl. Trop. Afr. **7**: 216. 1898.

*Pseudoperistylus clarencensis* (Rolfe) Szlach. & Olsz., Fl. Cameroun **34**(1): 218. 1998.

***Montolivaea ethiopica*** (Szlach. & Olsz.) Szlach., *comb. nov.*

Basionym: *Pseudoperistylus ethiopicus* Szlach. & Olsz., *Ann. Bot. Fenn.* **37**(4): 310. 2000.

***Montolivaea ituriensis*** (Szlach. & Olsz.) Szlach., *comb. nov.*

Basionym: *Pseudoperistylus ituriensis* Szlach. & Olsz., *Fl. Cameroun* **34**(1): 216. 1998.

***Montolivaea lefebvreana*** (A. Rich.) Szlach., *comb. nov.*

Basionym: *Peristylus lefebvreanus* A. Rich., *Ann. Sci. Nat., Bot.*, ser. 2, **14**: 266, t. 16. 1840.

*Pseudoperistylus lefebvreanus* (A. Rich.) Szlach. & Olsz., *Ann. Bot. Fenn.* **37**(4): 310. 2000.

***Montolivaea microceras*** (Hook. f.) Szlach., *comb. nov.*

Basionym: *Habenaria microceras* Hook. f., *J. Proc. Linn. Soc.*, *Bot.* **7**: 221. 1864.

*Pseudoperistylus microceras* (Hook. f.) Szlach. & Olsz., *Fl. Cameroun* **34**(1): 212. 1998.

***Montolivaea petitiana*** (A. Rich.) Szlach., *comb. nov.*

Basionym: *Peristylus petitianus* A. Rich., *Ann. Sci. Nat.*, *Bot.*, ser. 2, **14**: 266. 1840.

*Pseudoperistylus petitianus* (A. Rich.) Szlach. & Olsz., *Fl. Cameroun* **34**(1): 213. 1998.

### 1.3. Subtribe *HABENARIINAE* Benth.

*J. Linn. Soc.*, *Bot.* **18**: 288. 1881.

#### *ALINORCHIS* REPLACED *ALA*

The term *ala* is used in descriptive morphology and hence the generic name *Ala* must be replaced by another name (Art. 20.2 ICBN, Greuter *et al.* 2000). I propose below the name *Alinorchis* for a

group of species previously included in the genus *Ala*.

#### 5. *Alinorchis* Szlach., *gen. nov.*

Description: the Latin description of '*Ala* Szlach.', *nom. inval.*, in *Fragm. Flor. Geobot.*, *Suppl.* **3**: 113. 1995.

TYPE: *Alinorchis decorata* (Hochst. *ex* A. Rich.) Szlach. (*Habenaria decorata* Hochst. *ex* A. Rich.).

***Alinorchis aethiopica*** (Thomas & P. J. Cribb) Szlach., *comb. nov.*

Basionym: *Habenaria aethiopica* Thomas & P. J. Cribb, *Kew Bull.* **51**(1): 149. 1996.

***Alinorchis decorata*** (Hochst. *ex* A. Rich.) Szlach., *comb. nov.*

Basionym: *Habenaria decorata* Hochst. *ex* A. Rich., *Tent. Fl. Abyss.* **2**: 294. 1851.

***Alinorchis tricuris*** (A. Rich.) Szlach., *comb. nov.*

Basionym: *Platanthera tricuris* A. Rich., *Ann. Sci. Nat.*, *Bot.*, ser. 2, **14**: 265. 1840.

ACKNOWLEDGMENTS. I am grateful to Professor Werner Greuter for critical comments and suggestions, and to the curators of BM, K, P and W for their hospitality during my visits. This article was prepared at the Herbarium Hamburgense thanks to a grant from the Alexander von Humboldt-Stiftung (IV POL 1067782 STP).

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