

Malaxidinae index nominum – *Seidenfia* SZLACH. (Orchidaceae)

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Zusammenfassung

Für die Gattung *Seidenfia* SZLACH. (Orchidaceae) wird eine Liste der publizierten Namen und ihrer Synonyme präsentiert. Diese gibt auch die aktuelle Position der Taxa.

Abstract:

For *Seidenfia* SZLACH. (Orchidaceae) a taxonomic checklist is presented. This list gives all published names of this genus with their synonyms and the actual position of these taxa.

Key-words: Orchidaceae, Malaxidinae, *Liparis*, *Malaxis*, *Microstylis*, *Seidenfia*, taxonomy.

Introduction

The confusion in systematics and nomenclature of tropical, smaller, less attractive orchids is partly due to the lack of systematic revisions based on type-collections. Many type-specimens are unknown or unavailable. This is also valid for the subtribe Malaxidinae (Orchidaceae). Many genera within this subtribe are highly variable or artificial (e.g. *Malaxis* SOL. ex SW., *Liparis* L.C.RICH.). The complicated history of many taxa with different interpretations, descriptions of the same species under different names, etc. are making taxonomic studies of the group very difficult.

While preparing the taxonomic revision of the subtribe, specimens, especially types, have been studied in different herbaria. The results have been gathered in a database, which makes it possible to prepare lists of all named taxa for each genus together with the actual position of these taxa. The first list presented here deals with the genus *Seidenfia* SZLACH.

Results and Discussion

The genus *Seidenfia* SZLACH. was described by SZLACHETKO (1995). The species were separated from the polymorphic genus *Malaxis* SOL. ex SW. *Seidenfia* is characterized by habits and gynostemium structures superficially similar to representatives of *Crepidium* BL. (SZLACHETKO & MARGOŃSKA 2002). The best distinguishing feature for *Seidenfia* is the specific structure of the flower: the characteristic position of the tepals

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in adult flowers and the shape of the lip, particularly its base and apical margins (for a key to close related Asiatic genera of subtribe Malaxidinae see MARGOŃSKA 2002).

Nowadays, *Seidenfia* SZLACH. includes 9 species in 2 sections. The type-section contains 8 species, whereas section *Crenulatae* SZLACH. & MARG. contains only one species (*S. crenulata*; MARGOŃSKA & SZLACHETKO 2001).

The genus is distributed in South West Asia: Seychelles Islands (close to the East coast of Africa, but never at the continent), Sri Lanka to continental India. Most of the species are endemic.

The names in the index are given as:

bold Italic – current name,

Italic – published name;

≡ homotypic taxon (based on the same type-specimens),

= heterotypic taxon (based on different type-collections); following – the citation is given, where the taxon was put into this synonymy first time.

Illegitimate and misunderstood names ("sensu") are given in normal letters. Herbaria are given with their abbreviations in Index Herbariorum.

***Seidenfia* index nominum**

Seidenfia SZLACH., *Fragm. Flor. Geobot., Suppl. 3: 122 (1995)*.

Type species: *Seidenfia rheedii* (Sw.)SZLACH.

Section *Seidenfia*

≡ *Malaxis* SOL. ex SW., section *Malabarica* SEIDENF., *Bot. Tidsskr. 73 (2): 97 (1978-1979)*. (excl. syn. and the later meanings) – syn.n.

Type species: *Seidenfia rheedii* (Sw.)SZLACH.

Seidenfia densiflora (A.RICH.)SZLACH., *Fragm. Flor. Geobot., Suppl. 3: 122 (1995)*

≡ *Liparis densiflora* A.RICH., *Ann. Sci. Nat., Ser. 2, 15: 18 (1841)*

≡ *Malaxis densiflora* (A.RICH.)KUNTZE *Rev. Gen. 2: 673 (1891)* (non *Malaxis densiflora* A.RICH. & GALEOTTI ex RIDL.)

≡ *Microstylis densiflora* (A.RICH.)ALSTON, in TRIMEN, *Hand-Book Fl. Ceylon, 6 suppl.: 272 (1931)*

≡ *Microstylis densiflora* (A.RICH.)FISCHER in GAMBLE. *Fl. Presid. Madras. 8: 1408 (1928)*.

Type: India. Deccan, Nilgiris Hills, Perrottet 878 [holotype: P!].

Note: *Malaxis densiflora* A.RICH. & GALEOTTI ex RIDL., *J. Linn. Soc., Bot. 24: 331 (1888)* = *Microstylis macrostachya* (LEX.) LINDL., *Gen. et Sp. Orchid. 21 (1830)*.

= *Microstylis luteola* WIGHT, *Ic. Pl. Ind. Or. 5, 1: 4, pl. 1632 (1851)*. – HOOKER f. 1890: 691

≡ *Liparis densiflora* A.RICH. var. *luteola* (WIGHT)HOOK. f. *Fl. Brit. Ind. 5: 691 (1890)*

≡ *Malaxis densiflora* (A.RICH.)KUNTZE var. *luteola* (WIGHT)P.K.SARKAR, *J. Econ. Taxon. Bot., 5(5): 1008 (1984)*.

Type: India, Deccan, Madras, Wight 1632 [holotype: K!, isotypes W-Rchb.Orch. 41013! icon, W-Rchb.Orch. 41025! icon].

- = *Microstylis versicolor* sensu HOOK. f., Fl. Brit. Ind. 5: 691. 1890. – SEIDENFADEN 1978-1979: 99.
- = *Microstylis pratensis* RIDL., J. Linn. Soc. 24: 344 (1888) (nom. illeg.). – SEIDENFADEN 1978-1979: 99.
- = *Microstylis versicolor* LINDL. sensu WIGHT (1845), Ic. 3: pl. 901.

Seidenfia discolor (LINDL.)SZLACH., Fragm. Flor. Geobot., Suppl. 3: 122 (1995)

≡ *Microstylis discolor* LINDL., Gen. Spec. Orch. Pl.: 20 (1830)

≡ *Malaxis discolor* (LINDL.)KUNTZE, Rev. Gen. 2: 673 (1891).

Type: Sri Lanka, 1829, Macrae 3 [lectotype: K-L!, isotypes: LE, NY photo!, SING photo!].

Seidenfia intermedia (A.RICH.)SZLACH., Fragm. Flor. Geobot., Suppl. 3: 122 (1995).

≡ *Liparis intermedia* A.RICH., Ann. Sci. Nat. Ser. 2, 15: 17 (1841).

≡ *Malaxis intermedia* (A.RICH.)SEIDENF., Bot. Tids. 73(2): 99 (1978-1979).

Type: India, Deccan. Kati, Nilgiris, Perrottet s.n. [holotype: W-Rchb.Orch. 15169!, isotype: G!].

= *Microstylis stocksii* HOOK.f., Ic. Pl. 19: t. 1833. 1889. *et* Fl. Brit. Ind. 5: 690-691 (1890). – SEIDENFADEN 1978-1979: 99

≡ *Malaxis stocksii* (HOOK.f.) KUNTZE, Rev. Gen. 2: 673 (1891)

≡ *Seidenfia stocksii* (HOOK. f.) SZLACH., Fragm. Flor. Geobot., Suppl. 3: 122 (1995).

Type: India, Malabar and Concan, Bababoodan Hills, Kanara, Stocks & Law s.n. [holotype: K!, isotypes: K!, BM!, C-GS!, G!, FI!, L-903 16-998!, P!, W-Rchb.Orch. 41010!].

Note: The specimens in G and FI are "Stocks & Law I", whereas "Stocks & Law II" is *Seidenfia malabarica*.

Seidenfia lancifolia (THWAIT.)SZLACH., Fragm. Flor. Geobot., Suppl. 3: 122 (1995)

≡ *Microstylis lancifolia* THWAIT., Enum. Ceyl. Pl.: 297 (1864)

≡ *Malaxis lancifolia* (THWAIT.)KUNTZE (non SM.), Rev. Gen. 2: 673 (1891)

≡ *Malaxis thwaitesii* S.S.R.BENNET, Indian J. Forest., 5, 4: 326 (1982).

Type: Sri Lanka, Ambagamawa Distr., Saffragam, Thwaites CP 2742 [holotype: K!, isotypes AMES-101665!, AMES-101666!, BM!, K!, P!], I & II [isotypes G!, W-Rchb.Orch.!].

Seidenfia malabarica MARG. & SZLACH., Pol. Bot. J. 46 (1): 59 (2001).

Type: India, Malabar and Concan, Stocks & Law s.n. [holotype: W-Rchb.Orch. 41012, p.p. (only 2 plants)!, isotype C!, FI!, G!, W-Rchb.Orch.!].

Note: According to the original description the type of the species contains only two plants of the herbarium sheet W-Rchb.Orch. 41012"

Seidenfia rheedii (SW.) SZLACH., Fragm. Flor. Geobot., Suppl. 3: 122 (1995)

≡ *Malaxis rheedii* Sw., K. Vet. Akad. Handl. 21: 235 (1800)

≡ *Microstylis rheedii* (SW.) LINDL. Gen. & Sp. Orch. 21. (1830) – excl. syn., except *Malaxis rheedii*.

Type: Sri Lanka, Kandy Distr., Kandy, Narawella, Champion s.n. [lectotype (MARGOŃSKA & SZLACHETKO 2001: 56): K-L].

Note: *Crepidium rheedii* BL., Bijdr. 387. 1825 is a different taxon. *Malaxis rheedei* BL. is *Liparis rheedei* (BL) LINDL., *Microstylis rheedii* sensu WIGHT (1945), Ic. 3: t. 902 is *Seidenfia densiflora*.

- Seidenfia seychellarum*** (KRAENZL.)SZLACH., *Fragm. Flor. Geobot., Suppl.* 3: 122 (1995)
 ≡ *Liparis seychellarum* KRAENZL., *Bot. Jahrb.* 33: 60 (1902)
 ≡ *Microstylis seychellarum* (KRAENZL.)SCHLECHT., *Beih. Bot. Centralbl.* 33, 2: 411 (1915)
 ≡ *Malaxis seychellarum* (KRAENZL.)SUMMERH., *Kew Bull.* 1953: 578 (1954).
 Type: Seychelles, Mahe, Mt. Harrison, Schimper 104, 352 (type not located).
 = *Microstylis thomassetii* ROLFE, *Kew Bull.* 1922: 24 (1922). – syn.n.
 Type: Seychelles, Mahe, Cascade Estale, mountain forrest, 1901, H.P. Thomasset 99 [holotype: K-000242166!].

- Seidenfia versicolor*** (LINDL.)MARG. & SZLACH., *Pol. Bot. J.* 46 (1): 56 (2001)
 ≡ *Microstylis versicolor* LINDL., *Gen. & Sp. Orch.* 21 (1830)
 ≡ *Malaxis rheedii* HEYNE ex WALL. (non BL.), *Cat. n.* 1939 (1829)
 ≡ *Malaxis versicolor* (LINDL.) ABEYWICK, *Ceyl. J. Sci. Biol.* 2: 147 (1959)
 ≡ *Malaxis versicolor* (LINDL.) SANTAPAU & KAPADIA, *J. Bombay Nat. Hist. Soc.* 58: 347 (1961)
 ≡ *Seidenfia versicolor* (LINDL.) M.R.ALMEIDA, *J. Bombay Nat. Hist. Soc.* 101 (1): 147 (2004).
 Type: Sri Lanka, 1829, Macrae 2 [lectotype (JAYAWEERA, 1981) K-L!, isotypes: LE, K!, SING photo!, NY photo!, drawing in *Bibl. Hort. Soc.* – fide RIDLEY 1888].
 = *Microstylis versicolor* LINDL., *Wall. Cat. n.* 1939: (1829), nom. nud.
 Original specimen: India, Madras, 1832., Wallich 1939 [K!, G!].
 = *Microstylis rheedii* LINDL. sensu WIGHT(1845), *Ic.* 3: pl. 902. – SEIDENFADEN 1978-1979:
 Note: *Microstylis versicolor* sensu WIGHT (1945), *Ic.* 3: t. 901. is *Seidenfia densiflora*.

Section ***Crenulatae*** SZLACH. & MARG., *Pol. Bot. J.* 46 (1): 48 (2001).

Type species: *Seidenfia crenulata* (RIDL.)SZLACH.

- Seidenfia crenulata*** (RIDL.)SZLACH., *Fragm. Flor. Geobot., Suppl.* 3: 122 (1995)
 ≡ *Microstylis crenulata* RIDL., *J. Linn. Soc.* 24: 346 (1888)
 ≡ *Malaxis crenulata* (RIDL.) KUNTZE, *Rev. Gen.* 2: 673 (1891)
 Type: India. Deccan, Western Nilgiris, Beddome 8108 [holotype: BM!].
 Note: *Malaxis crenulata* BL. ≡ *Liparis crenulata* (BL.) LINDL. *Gen. & Sp. Orch.* 1830: 30. 1830.

Index of referable names:

- Liparis densiflora* ≡ ***Seidenfia densiflora***
Liparis densiflora var. *luteola* = ***Seidenfia densiflora***
Liparis intermedia ≡ ***Seidenfia intermedia***
Malaxis crenulata (RIDL.) KUNTZE ≡ ***Seidenfia crenulata***
Malaxis crenulata BL. ≡ ***Liparis crenulata*** (BL.) LINDL.
Malaxis densiflora (A.RICH.) ≡ ***Seidenfia densiflora***
Malaxis densiflora A.RICH. & GALEOTTI ex RIDL. ≡ ***Microstylis macrostachya*** (LEX.) LINDL.
Malaxis densiflora var. *luteola* (WIGHT) P.K. SARKAR = ***Seidenfia densiflora***
Malaxis discolor ≡ ***Seidenfia discolor***
Malaxis intermedia ≡ ***Seidenfia intermedia***
Malaxis lancifolia (THWAITES) ≡ ***Seidenfia lancifolia***

- Malaxis* section *Malabarica* SEIDENF. ≡ *Seidenfia* type-section
Malaxis rheedii BL ≡ *Liparis rheedii* (BL.) LINDL.
Malaxis rheedii HEYNE ex WALL. (non BL.) ≡ *Seidenfia versicolor*
Malaxis rheedii SW. (non BL.) ≡ *Seidenfia rheedii*
Malaxis seychellarum ≡ *Seidenfia seychellarum*
Malaxis stocksii = *Seidenfia intermedia*
Malaxis thwaitesii S.S.R. BENNET ≡ *Seidenfia lancifolia*
Malaxis versicolor (LINDL.) ABEYWICK ≡ *Seidenfia versicolor*
Malaxis versicolor (LINDL.) SANTAPAU & KAPADIA ≡ *Seidenfia versicolor*
Microstylis crenulata ≡ *Seidenfia crenulata*
Microstylis densiflora (A.RICH.) ALSTON ≡ *Seidenfia densiflora*
Microstylis densiflora (A.RICH.) FISCHER ≡ *Seidenfia densiflora*
Microstylis discolor LINDL. ≡ *Seidenfia discolor*
Microstylis lancifolia THWAIT. ≡ *Seidenfia lancifolia*
Microstylis luteola WIGHT = *Seidenfia densiflora*
Microstylis pratensis RIDL. = *Seidenfia densiflora*
Microstylis rheedii (SW.) LINDL. ≡ *Seidenfia rheedii*
Microstylis rheedii LINDL. sensu WIGHT (1845), pl. 902 = *Seidenfia versicolor*
Microstylis seychellarum ≡ *Seidenfia seychellarum*
Microstylis thomassetii = *Seidenfia seychellarum*
Microstylis stocksii = *Seidenfia intermedia*
Microstylis versicolor Hook. f. = *Seidenfia densiflora*
Microstylis versicolor LINDL. ≡ *Seidenfia versicolor*
Microstylis versicolor LINDL. sensu WIGHT (1845), pl. 901. = *Seidenfia densiflora*
Seidenfia crenulata
Seidenfia densiflora
Seidenfia discolor
Seidenfia intermedia
Seidenfia lancifolia
Seidenfia malabarica
Seidenfia rheedii
Seidenfia seychellarum
Seidenfia stocksii = *Seidenfia intermedia*
Seidenfia versicolor (LINDL.)MARG. & SZLACH.
Seidenfia versicolor (LINDL.)M.R. ALMEIDA ≡ *Seidenfia versicolor*

Acknowledgments

I am especially grateful to Dr P. Cuccuini and Dr Chiara Nepi, the Curators of FI, also the Curators of AMES, BM, C, C-GS, G, K, L, P, US, WU, W, for the loan of herbarium specimens and/or their hospitality during my personal visits. I am obliged to the keepers of all visited scientific libraries, as well. Special thanks for Mrs. M.G. Kortylewska-Margońska and Mr. M. Margoński for help during my researches. The studies were conducted also with using digital database - Archiwum Orchidarium. This article was prepared thanks to BioMoBiL (Centre of Excellence for Bio-safety Research and Molecular Biomedicine Integration in Education and Research Towards the Knowledge & Technology Transfer Level, Project No QLAM-2001-0371, 2003-2005), in frames workpackage WP 6 (Organization of Special Collections/Databases) – 2003.

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