

## NOMENCLATURAL NOTES IN ASCLEPIADOIDEAE (APOCYNACEAE) – PUBLICATION OF SOME PREVIOUSLY INVALIDLY PUBLISHED NAMES

ALESSANDRO RAPINI

Departamento de Ciências Biológicas, Universidade Estadual de Feira de Santana, BR-116, Km 3, Campus Universitário, 44031-460 - Feira de Santana, BA, Brasil. E-mail: rapinibot@yahoo.com.br

**Abstract** – [Nomenclatural notes in Asclepiadoideae (Apocynaceae) – publication of some previously invalidly published names]. Several nomenclatural novelties were used in a previously published account of Asclepiadoideae (Apocynaceae) from the Espinhaço Range of Minas Gerais, Brazil. Although those names were published with a basionym reference, the authors stated that there was no intention to have them validly published therein. Under articles 34.1(a) and 45.1 of the International Code of Botanical Nomenclature, the author must explicitly accept the name in the place of its valid publication. This note attempts to clarify the author's prior intentions and now to validly publish thirteen new names of taxa.

**Resumo** – [Notas nomenclatórias em Asclepiadoideae (Apocynaceae) – publicação de alguns nomes previamente publicados de modo inválido]. Várias novidades nomenclatórias foram usadas em um levantamento previamente publicado das Asclepiadoideae da Cadeia do Espinhaço de Minas Gerais, Brasil. Embora esses nomes tenham sido publicados com a referência do basônimo, os autores colocaram que não havia intenção de tê-los validamente publicados ali. De acordo com os Artigos 34.1(a) e 45.1 do Código Internacional de Nomenclatura Botânica, o autor deve explicitamente aceitar o nome no local de sua publicação válida. Esta nota procura esclarecer as intenções do autor naquela ocasião e então publicar validamente treze nomes novos de táxons.

The Asclepiadoideae (Apocynaceae) is a large subfamily, well represented in the Neotropics. The phylogeny of Brazilian Asclepiadoideae is still poorly investigated and generic circumscription has been kept artificial for safe and easy recognition of groups (Rapini 2002a). The phylogenetic priority has been a consensus in current classifications (Backlund & Bremer 1998), and in the survey of Asclepiadoideae of the Espinhaço Range of Minas Gerais (Rapini *et al.* 2001), the species were arranged according to their supposed evolutionary affinities in order to prepare the classification for further critical phylogenetic approaches. That arrangement involved several taxonomic changes that I had previously submitted for publication in a separate article. The review process of that manuscript was delayed and it was withdrawn, trapping the new names, whereas the publication of the floristic survey was anticipated. Thus, we had to present an unusual treatment, using new names yet not accepting them as validly published.

One requirement for validly published names and their respective dates of publication is the author's acceptance of these *names* in the place of their validation (Art. 34.1 and 45.1, ICBN). The intention of the author may be subjective or questionable in old literature; nowadays, however, this condition is usually stated with expressions such as “comb. nov.” (or equivalent) following the new name that is being intentionally published, which was proposed as a requirement for validating new names (Rapini 2002b,c). Instead of “nov.”, we (Rapini *et al.* 2001) used “ined.”. Although not accurate, since the names had already been published before (Rapini 2000a,b), the term “ined.” used for the names must be assigned to the previous statement: “[a]s a result of this survey, a separate article is being prepared (Rapini, in prep.) for validating the names herein presented as inedit: seven new

species (*Ditassa auriflora* Rapini, *D. bifurcata* Rapini, *D. inconspicua* Rapini, *D. itambensis* Rapini, *D. magisteriana* Rapini, *D. monocranata* Rapini and *Oxypetalum rusticum* Rapini), 11 new combinations [*Cynanchum roulinioides* (E.Fourn.) Rapini, *Ditassa graziellae* (Fontella) Rapini, *D. longicaulis* (E.Fourn.) Rapini, *D. semirii* (Fontella) Rapini, *Hemipogon carassensis* (Malme) Rapini, *H. hatschbachii* (Fontella & Marquete) Rapini, *H. hemipogonoides* (Malme) Rapini, *H. piranii* (Fontella) Rapini, *H. furlanii* (Fontella) Rapini, *Macroditassa melantha* (Silveira) Rapini and *Mestastelma burchellii* (Hook. & Arn.) Rapini], one new name (*Ditassa succedanea* Rapini) and two species that have been treated as subspecies [*Ditassa cipoensis* (Fontella) Rapini and *Oxypetalum polyanthum* (Hoehne) Rapini]” (Rapini *et al.* 2001, p. 56, here translated), which clearly showed that there was no intention to have these names validly published in Rapini *et al.* (2001), but elsewhere.

There is no disagreement concerning the publication of the new species since they were published without the Latin diagnosis. The taxonomic changes addressed in that account (Rapini *et al.* 2001), however, are followed by complete reference of basionym and have been interpreted as validly published there. Those names were used in anticipation of their future acceptance and until the author clearly stated the intention to have them validly published, such names have not fulfilled all requirements for valid publication and should be considered *nomina non acceptanda*.

Whereas some may accept the names as validly published, others can interpret such as me and decide to validly publish the names. To avoid further controversies, I am here validly publishing the new names used in Rapini *et al.* (2001), except *Macroditassa melantha* (Silveira) Rapini and the new species, which have been validly published elsewhere (Rapini 2000c, 2002a,d).

*Cynanchum roulinioides* (E.Fourn.) Rapini, *comb. nov.*  
*Telminostelma roulinioides* E.Fourn. in Mart. & Eichler, Fl. bras. 6(4): 218. 1885.

*Ditassa cipoensis* (Fontella) Rapini, *stat. nov.*  
*Ditassa tomentosa* var. *cipoensis* Fontella, Bradea 5: 478. 1991 (as *cipoense*).

*Ditassa grazielae* (Fontella & Marquete) Rapini, *comb. nov.*  
*Astephanus grazielae* Fontella & Marquete, Bradea 2: 9. 1975.

*Ditassa longicaulis* (E.Fourn.) Rapini, *comb. nov.*  
*Metastelma longicaule* E.Fourn. in Mart. & Eichler, Fl. bras. 6(4): 210. 1885.

*Ditassa semirii* (Fontella) Rapini, *comb. nov.*  
*Astephanus semirii* Fontella, Bradea 4: 379. 1987 (as *Semiri*).

*Ditassa succedanea* Rapini, *nom. nov.*  
*Ditassa subulata* Silveira, Fl. serr. Min.: 19. 1908, *nom. illeg.* (non *D. subulata* J.R. Johnst., Proc. Amer. Acad. Arts 40: 694. 1905).

*Hemipogon carassensis* (Malme) Rapini, *comb. nov.*  
*Astephanus carassensis* Malme, Ark. Bot. 21A(12): 5. 1927.

*Hemipogon furlanii* (Fontella) Rapini, *comb. nov.*  
*Astephanus furlanii* Fontella, Bradea 4: 380. 1987.

*Hemipogon hatschbachii* (Fontella & Marquete) Rapini, *comb. nov.*  
*Metastelma hatschbachii* Fontella & Marquete, Bol. Mus. Bot. Munic. 29: 1. 1977.

*Hemipogon hemipogonoides* (Malme) Rapini, *comb. nov.*  
*Metastelma hemipogonoides* Malme, Ark. Bot. 29A(3): 4. 1937.

*Hemipogon piranii* (Fontella) Rapini, *comb. nov.*  
*Astephanus piranii* Fontella, Bradea 4: 381. 1987.

*Metastelma burchellii* (Hook. & Arn.) Rapini, *comb. nov.*  
*Ditassa burchellii* Hook. & Arn., J. Bot. (Hooker) 1: 295. 1834.

*Oxypetalum polyanthum* (Hoehne) Rapini, *stat. nov.*  
*Oxypetalum strictum* subsp. *polyanthum* Hoehne, Comiss. Linhas Telegr. Estrateg. Mato Grosso-Amazonas 38(1): 103. 1916.

### Acknowledgments

I thank Cynthia A. Sothers for the English review and comments, and Jefferson Prado and Dan Nicolson for valuable suggestions to improve the manuscript.

### References

- BACKLUND, A. & BREMER, K. 1998. To be or not to be – principles of classification and monotypic plant families. *Taxon* 47: 391-400.
- RAPINI, A. 2000a. Espinhaço Range, Minas Gerais, Brazil. Asclepiadoideae (Apocynaceae). In R. Forster, M.R. Metz & B.B. Lin, *Rapid Color Guide* n° 19. Environment and Conservation Programs. Field Museum, Chicago.
- RAPINI, A. 2000b. *Sistemática: estudos em Asclepiadoideae (Apocynaceae) da Cadeia do Espinhaço de Minas Gerais*. Tese de doutorado. Universidade de São Paulo, São Paulo.
- RAPINI, A. 2000c [2001]. Combinação em *Macroditassa* Malme (Apocynaceae, Asclepiadoideae). *Bradea* 8(32): 201.
- RAPINI, A. 2002a. Six new species of *Ditassa* R. Br. from the Espinhaço Range, Brazil, with notes on generic delimitation in Metastelmatinae (Apocynaceae – Asclepiadoideae). *Kew Bull.* 57: 533-546.
- RAPINI, A. 2002b. Illustrating the holy cow. *Taxon* 51: 175-177.
- RAPINI, A. 2002c. (001-004) Proposals to require an illustration or figure instead of a Latin diagnosis or description for validating names of new taxa. *Taxon* 51: 209.
- RAPINI, A. 2002d. *Oxypetalum rusticum* (Apocynaceae, Asclepiadoideae), a new species from the Espinhaço Range, Minas Gerais, Brazil. *Novon* 12: 385-387.
- RAPINI, A., MELLO-SILVA, R. & KAWASAKI, M.L. 2001. Asclepiadoideae (Apocynaceae) da Cadeia do Espinhaço de Minas Gerais, Brasil. *Bol. Bot. Univ. São Paulo* 19: 55-169.