
Senecio subser. *Polyphylli*, a New Name for *Senecio* subsect.
Radiati (Asteraceae, Senecioneae) from Southern South America

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ABSTRACT. *Senecio* L. subsect. *Radiati* Cabrera, an illegitimate name, is replaced with the name *Senecio* subser. *Polyphylli* Giuliano, M. P. Hernández & S. E. Freire, nom. nov.; the epithet of the replacement name refers to the type species of this subsection, *S. polyphyllus* Kunze ex DC. The epithet *Radiati* was previously published by Bentham to designate a series of *Senecio*.

RESUMEN. Se propone aquí el reemplazo del nombre ilegítimo *Senecio* L. subsect. *Radiati* Cabrera por *Senecio* subser. *Polyphylli* Giuliano, M. P. Hernández & S. E. Freire, nom. nov.; el epíteto del nombre de reemplazo alude a la especie tipo de esta subsección, *S. polyphyllus* Kunze ex DC. El epíteto *Radiati* había sido utilizado previamente por Bentham para designar una serie de *Senecio*.

Key words: Asteraceae, Compositae, homonym, replacement name, *Senecio*, series *Chilenses*, subseries *Radiati*.

The epithet *Radiati* was first used for an infrageneric taxon in *Senecio* L. by Bentham (1867) for 20 species from Australia; the name was published at the rank of series. Independently, Cabrera (1949) used the same epithet for a subsection of *Senecio* sect. *Suffrutecius* (currently *Senecio* ser. *Chilenses* DC. ex M. G. López, A. F. Wulff & Xifreda) that included Andean and Patagonian species. Later, Cabrera et al. (1999) reduced *Senecio* subsect. *Radiati* Cabrera to the rank of subseries.

Although the epithet *Radiati* was published at different infrageneric ranks within *Senecio* by Bentham and Cabrera, the two epithets are homonyms, according to the International Code of Nomenclature (ICN; McNeill et al., 2012: Art. 53.4 and Art. 21, Note 1). Therefore, the names *Senecio* subsect. *Radiati* Cabrera and *Senecio* subser. *Radiati* Cabrera & S. E. Freire (typified by *S. polyphyllus* Kunze ex DC.) are illegitimate. Hence, we propose here the following replacement name for this group, which we recognize as a subseries.

Senecio subser. **Polyphylli** Giuliano, M. P. Hernández & S. E. Freire, nom. nov. Replaced name: *Senecio*

subsect. *Radiati* Cabrera, Lilloa 15: 174. 1949, nom. illeg., non *Senecio* ser. *Radiati* Benth., Flora Australiensis 3: 663. 1867. *Senecio* subser. *Radiati* Cabrera & S. E. Freire, Fl. Fanerog. Argent. 62: 47. 1999, nom. illeg. TYPE: *Senecio polyphyllus* Kunze ex DC.

Senecio subser. *Polyphylli* comprises 23 species with principally Andean distribution in Chile and Argentina; only one species (*S. potosianus* Klatt) reaches western Bolivia (Cabrera, 1949; Freire et al., 2014; Hernández, 2016). They are mainly characterized by their shrubby habit and radiate capitula, which are solitary or in corymbs of few capitula.

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Literature Cited

- Bentham, G. 1867. *Senecio*. Flora Australiensis 3: 661–673. Lovell Reeve & Co., London.
- Cabrera, A. L. 1949. El género *Senecio* en Chile. Lilloa 15: 27–501.
- Cabrera, A. L., S. E. Freire & L. Ariza Espinar. 1999. Asteraceae. VIII. Tribu Senecioneae. Pp. 3–164 in A. T. Hunziker (editor), Flora Fanerogámica Argentina Fascículo 62. Museo Botánico de Córdoba, Córdoba, Argentina.
- Freire, S. E., L. Ariza Espinar, L. Salomón & M. P. Hernández. 2014. *Senecio*. Pp. 27–220 in F. O. Zuloaga, M. J. Belgrano & A. M. Anton (editors), S. E. Freire (coordinator), Flora Argentina: Flora Vasculare de la República Argentina. Dicotyledoneae, Asteraceae: Senecioneae a Vernoniceae, Vol. 7(3). Instituto de Botánica Darwinion, San Isidro, Argentina.
- Hernández, M. P. 2016. Revisión Taxonómica y Análisis Cladístico de la Subserie *Radiati* (Cabrera) Cabrera & S. E. Freire del Género *Senecio* (Asteraceae). Ph.D. Dissertation, Universidad Nacional de La Plata, La Plata (published online in SEDIC).
- McNeill, J., F. R. Barrie, W. R. Buck, V. Demoulin, W. Greuter, D. L. Hawksworth, P. S. Herendeen, et al. (editors). 2012. International Code of Nomenclature for Algae, Fungi, and Plants (Melbourne Code). Regnum Veg. 154.