

## TAXONOMIC ADJUSTMENTS IN MEXICAN *SPIGELIA* (LOGANIACEAE)

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### ABSTRACT

A new synonym and an orthographic correction are provided for two species of *Spigelia* L. from Mexico. *Bouvardia amplexicaulis* Borhidi et E. Martínez is placed as synonym of *Spigelia mocinoi* S. Islas & L. O. Alvarado and spelling is corrected for the epithet of *Spigelia elbakyaniae* S. Islas & L.O. Alvarado.

In the preparation of a taxonomic treatment of *Spigelia* in Mexico, we found a type specimen in herbarium MEXU identified as *Bouvardia amplexicaulis* Borhidi et E. Martínez (Rubiaceae) but which is instead a species of *Spigelia*.

**SPIGELIA MOCINOI** S. Islas & L.O. Alvarado, Phytotaxa 331: 247. 2017. **TYPE: MÉXICO. Estado de México.** Ixtapan, Temascaltepec, 18 Jul 1935, *G.B. Hinton 8063* (holotype: MEXU!; isotype: ENCB!, HUMO!).

*Bouvardia amplexicaulis* Borhidi et E. Martínez (**syn. nov.**). Act. Bot. Hungarica 53: 64. 2011, non *Spigelia amplexicaulis* E.F. Guim. & Fontella 1969. **TYPE: MÉXICO. Edo. México.** Santiago Amatepec, ladera húmeda, rocosa, barranca, 1300 m, 13 Jul 1970, *E. Matuda 38039* (holotype: MEXU!).

*Bouvardia amplexicaulis* (Rubiaceae) was described based on a collection (*Matuda 38039*) from the state of Mexico and deposited at MEXU but it is actually a member of *Spigelia*. The specimen resembles members of *Bouvardia* such as *B. longifolia* in its white and long salverform corollas, but the sessile leaves, terminal inflorescence in scorpioid cymes, 5-lobed floral whorls, superior ovary, articulated style, and single stigma differ from *Bouvardia* and agree with the attributes of *Spigelia*.

*Bouvardia amplexicaulis* is conspecific with *Spigelia mocinoi*, as indicated by the sessile leaves, the phyllotaxis, and the size and shape of the flowers — the type collections for both were made in close proximity in the state of Mexico. The name *Bouvardia amplexicaulis* has priority over *S. mocinoi* but the epithet *amplexicaulis* is already occupied within *Spigelia* as the correct name for a species of Brazil. A new combination for the Mexican species would be illegitimate (ICN Article 53) and final epithet of the next earliest legitimate name at the same rank is to be used instead (ICN Article 11.4), thus *Spigelia mocinoi* is the correct name, with *B. amplexicaulis* as a synonym.

### Orthography of *Spigelia elbakyaniae*

**SPIGELIA ELBAKYANIAE** S. Islas & L.O. Alvarado, *Phytotaxa* 477: 278. 2020 (**orthographic correction**). **Type: MEXICO. Oaxaca.** Distrito Juchitán, Mpio. Santa María Chimalapa: Camino hacia Arroyo San Vicente, 11 km en línea recta al SE de la Gringa, 17°4'0" N, 94°1'32" W, 990 m, 23 Mar 1995, *E. Torres B. 540* (holotype: SERO!, isotype OAX!).

The epithet was published as *Spigelia elbakyanii*. The correct termination, however, for an epithet dedicated to a woman (Alexandra Elbakyan) is *-iae*, instead of *-ii* (Turland et al. 2018) — the error is corrected here without changes in the authorship and date.

### ACKNOWLEDGEMENTS

We thank Lucio Lozada for leading us to the specimen of *Bouvardia amplexicaulis*, Aurélien Bour for pointing out that correction of the name dedicated to Alexandra Elbakyan was an important issue noting the importance of the woman's work in science, Sandra Knapp for helping us understand the International Code of Nomenclature, and Azul Islas-Hernández for comments and corrections of the manuscript. The first author gratefully acknowledges the Posgrado en Ciencias Biológicas, Universidad Nacional Autónoma de México and CONACYT for the scholarship (CV-696927) granted.

### LITERATURE CITED

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