

Validation of *Dichotomaria elegans* and *Dichotomaria latifolia* (Galaxauraceae, Florideophyceae)

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In their recent study on the diversity and phylogeography of *Dichotomaria marginata* complex in the north-western Pacific Ocean, Fontana & al. (2025: 9) proposed the new combinations *Dichotomaria elegans* (Tak.Tanaka) S.Fontana, W.-L.Wang & S.-L.Liu and *D. latifolia* (Tak.Tanaka) S.Fontana, W.-L.Wang & S.-L.Liu. However, they failed to meet the requirements of the ICN (Madrid Code, Turland & al. 2025) for the publication of a valid name as they did not provide “a full and direct reference ... to its author and place of valid publication, with page or plate reference and date.” (Art. 41.5). I here validate names as follows and provide illustrations of the types of each name:

Dichotomaria elegans (Tak.Tanaka) S.Fontana, W.-L.Wang & S.-L.Liu ex Santiañez, *comb. nov.*

Basionym: *Galaxaura elegans* Tak.Tanaka, *Scientific Papers of the Institute of Algological Research, Faculty of Science, Hokkaido Imperial University* 1: 52, fig. 3, pl. 17: 3. 1935.

Holotype: **SAP** 15300 (Fig. 1 A).

Phycobank Registration: <http://phycobank.org/107446>

Dichotomaria latifolia (Tak.Tanaka) S.Fontana, W.-L.Wang & S.-L.Liu ex Santiañez, *comb. nov.*

Basionym: *Galaxaura latifolia* Tak.Tanaka, *Scientific Papers of the Institute of Algological Research, Faculty of Science, Hokkaido Imperial University* 1: 54, fig. 4, pl. 18. 1935.

Holotype: **SAP** 15315 (Fig. 1 B).

Phycobank Registration: <http://phycobank.org/107447>

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Fontana, S., Wang, W.-L., Tseng, K.-Y., Draisma, S.G.A., Dumilag, R.V., Hu, Z.-M., Li, J.-J, Lai, P.-H, Mattio, L., Sherwood, A.R., Boo, S.M. & Liu, S.-L. (2024). Seaweed diversification driven by Taiwan’s emergence and the Kuroshio Current: insights from the cryptic diversity and phylogeography of *Dichotomaria* (Galaxauraceae, Rhodophyta). *Frontiers in Ecology and Evolution* 12(1346199): 1–17, 7 figures, 2 tables.

Tanaka, T. (1935). Four new species of *Galaxaura* from Japan. *Scientific Papers of the Institute of Algological Research, Faculty of Science, Hokkaido Imperial University* 1: 51–57, 6 figs, 2 pls [pls 17, 18].

Turland, N.J., Wiersema, J.H., Barrie, F.R., Gandhi, K.N., Gravendyck, J., Greuter, W., Hawksworth, D.L., Herendeen, P.S., Kloppe, R.R., Knapp, S., Kusber, W.-H., Li, D.-Z., May, T.W., Monro, A.M., Prado, J., Price, M.J., Smith, G.F. & Zamora Señoret, J.C. editors (2025). *International code of nomenclature for algae, fungi, and plants (2025 Edition Madrid Code)* Regnum Vegetabile Volume 162. pp. [i]–xlvi, 1–303. Chicago & London: The University of Chicago Press.

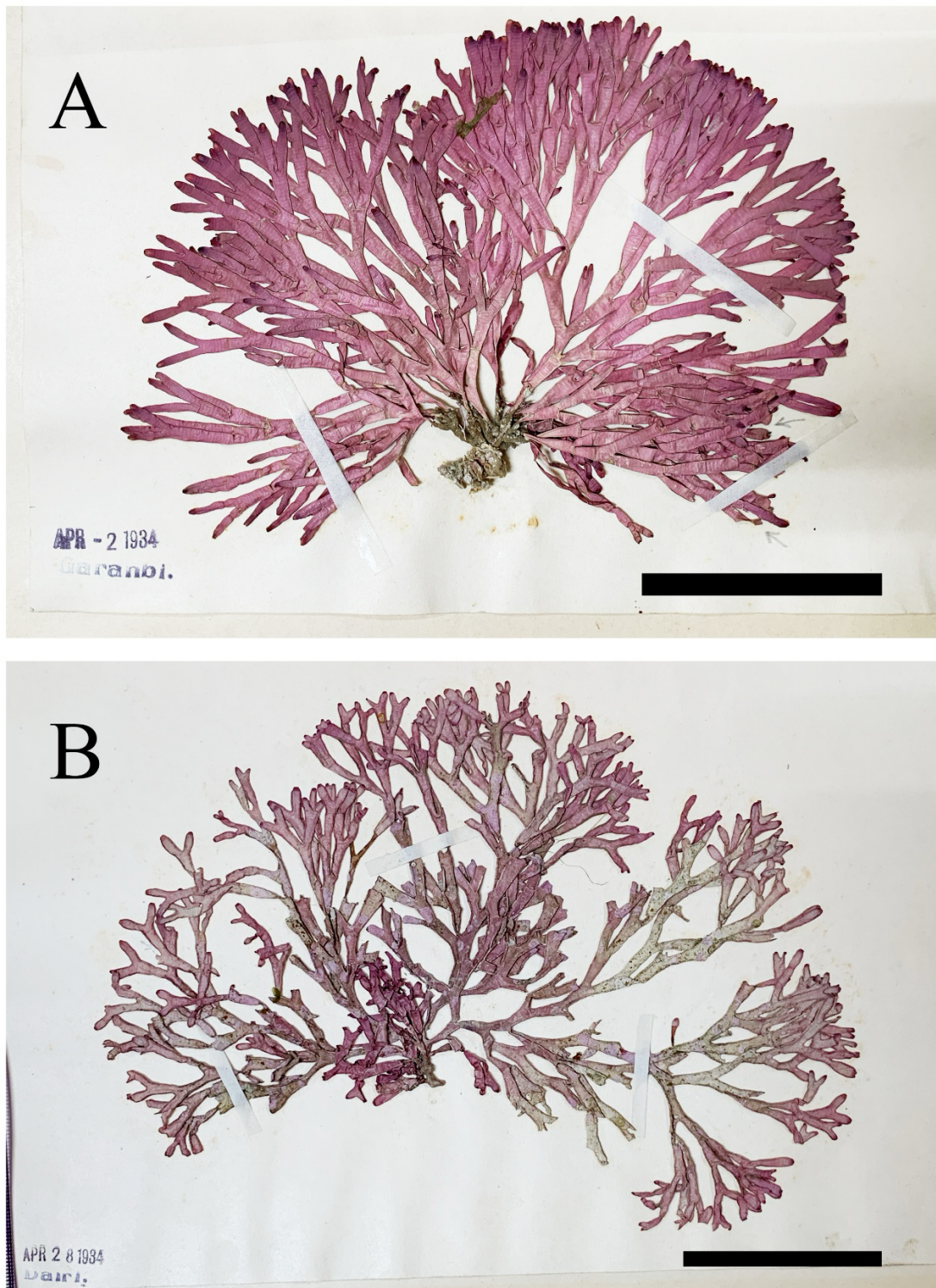


Fig. 1. Holotype specimens of (A) *Dichotomaria elegans* (Tak.Tanaka) S.Fontana, W.-L.Wang & S.-L.Liu ex Santiañez and (B) *Dichotomaria latifolia* (Tak.Tanaka) S.Fontana, W.-L.Wang & S.-L.Liu ex Santiañez (SAP). Photographs courtesy of Prof. Kazuhiro Kogame. Scale bars = 5 cm.