

Research note

Proposals for *Palisada poiteau* var. *gemmifera* comb. nov. and *Palisada corallopsis* comb. nov. (Rhodomelaceae, Rhodophyta)

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Abstract

Since *Chondrophycus poiteau* var. *gemmiferus* and *C. corallopsis* fall within the new recently validated segregate genus *Palisada* K.W. Nam, two new nomenclatural combinations are proposed: *Palisada poiteau* var. *gemmifera* and *P. corallopsis*.

Keywords: Ceramiales; *Laurencia* complex; nomenclatural proposals; *Palisada*.

In an initial treatment, Nam (2006) proposed recognition of the segregate genus *Palisada*, based on Yamada's (1931) section *Palisadae* within the genus *Laurencia* J.V. Lamouroux. But the lack of a Latin diagnosis or a reference to a previously published Latin diagnosis makes Nam's proposal invalid. Nineteen intended proposed transfers to *Palisada* were also invalid. In a subsequent paper, Nam (2007) validated the genus *Palisada* (type species *Palisada robusta* K.W. Nam *nom. nov.*) and the 19 new combinations. Following Nam's (2007) work, the *Laurencia* complex comprised the following four genera: *Laurencia sensu stricto*, *Osmundea* Stackhouse, *Chondrophycus* (Tokida et Saito) Garbary et J.T. Harper, and *Palisada* K.W. Nam.

Díaz et al. (2007) provided both molecular and morphological evidence to propose treatment of *Chondrophycus gemmiferus* (Harvey) Garbary et J.T. Harper as a variety within *C. poiteau* (J.V. Lamouroux) K.W. Nam, viz. *Chondrophycus poiteau* (J.V. Lamouroux) K.W. Nam var. *gemmiferus* (Harvey) Senties, Fujii et Díaz. This is concordant with Yamada's (1931) treatment of *Laurencia gemmifera* Harvey as a variety of *Laurencia poiteau* ["*poitei*"] (J.V. Lamouroux) M. Howe: *L. poiteau* var. *gemmifera* (Harvey) Yamada. On the other hand, Nam (2007) treated *Palisada gemmifera* (Harvey) K.W. Nam as a species separate from *P. poiteau* (J.V. Lamouroux) K.W. Nam. Finally, molecular analysis of *C. corallopsis* (Montagne) K.W. Nam indicates that this species is taxonomically close to congeners that have been transferred to *Palisada* (Díaz-Larrea et al. 2007). Accordingly, *C. corallopsis* should be transferred to *Palisada*.

In light of evidence from Nam (2006, 2007) for the recognition of *Palisada* as distinct from both *Laurencia* and *Chondrophycus* and the data of Díaz-Larrea et al. (2007), we propose the following new combinations:

- ***Palisada poiteau*** (J.V. Lamouroux) K.W. Nam var. ***gemmifera*** (Harvey) Senties, Fujii et Díaz comb. et stat. nov.
Basionym: *Laurencia gemmifera* (Harvey 1853, Nereis Boreali-Americana, vol. 2, p. 73–74, pl. XVIII, B)
Synonyms: *Laurencia poiteau* (J.V. Lamouroux) M. Howe var. *gemmifera* (Harvey) Yamada (1931: 220); *Chondrophycus gemmiferus* (Harvey) Garbary et J. Harper (1998: 194); *Chondrophycus poiteau* (J.V. Lamouroux) M. Howe var. *gemmiferus* (Harvey) Senties, Fujii et Díaz (Díaz et al. 2007: 255)
- ***Palisada corallopsis*** (Montagne) Senties, Fujii et Díaz comb. et stat. nov.
Basionym: *Sphaerococcus corallopsis* Montagne (1842, Histoire, physique, politique et naturelle de l'île de Cuba 2, p. 9, pl. 3, figure 1)
Synonyms: *Laurencia corallopsis* (Montagne) M. Howe (1918: 519); *Chondrophycus corallopsis* (Montagne) K.W. Nam (1999: 463).

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