

Treptacantha ballesterosii* Orellana & Sansón, a new name for *Treptacantha montagnei* Orellana & Sansón, *nom. illeg. (Sargassaceae, Phaeophyceae)

Sharay Orellana & Marta Sansón, *Departamento de Botánica, Ecología y Fisiología Vegetal, Universidad de La Laguna, Apdo. 456, 38200 La Laguna, Canary Islands* (correspondence: sharayorellana@gmail.com)

Orellana *et al.* (2019: 12) proposed *Treptacantha montagnei* (J.Agardh) Orellana & Sansón as a new combination for *Cystoseira montagnei* J.Agardh (1842: 47). However, the name *Treptacantha montagnei* had already been used by Kützing (1849: 594), and is currently regarded as a heterotypic synonym of *Treptacantha abies-marina* (S.G.Gmelin) Kützing (Kützing 1843: 353) (Orellana *et al.*, 2019: 8). As these names have different types they are homonyms and *Treptacantha montagnei* (J.Agardh) Orellana & Sansón is thus an illegitimate later homonym. We here propose to replace this name.

Treptacantha ballesterosii* Orellana & Sansón, *nomen novum

Replaced synonym: *Cystoseira montagnei* J.Agardh, *Alg. mar. Medit.* 47, 1842.

Synonym: *Treptacantha montagnei* (J.Agardh) Orellana & Sansón, *Eur. J. Phycol.* Published online 26 Jun 2019, 12, *nom. illeg., non Treptacantha montagnei* Kützing *Sp. alg.*, 594, 1849.

Figures: Sellam *et al.* (2017: figs 23-26, LD, herb. Alg. Agardh 00528).

Lectotype (of *Cystoseira montagnei* J.Agardh, selected by Sellam *et al.* 2017: 153, figs 23-26): LD herb. Alg. Agardh 00528.

Type locality: Sète, Hérault, Mediterranean France.

Etymology: Named to honour the Spanish phycologist Enric Ballesteros in recognition to his great dedication to the exploration of the marine flora of the Mediterranean, especially of *Cystoseira* species.

A number of potential earlier synonyms (Sellam *et al.* 2017; Orellana *et al.* 2019) require further detailed nomenclatural and taxonomic studies.

Sincere thanks to Professor M.D. Guiry for his helpful advice.

Agardh, J.G. (1842). *Algae maris Mediterranei et Adriatici*, observationes in diagnosis specierum et dispositionem generum. pp. [i]-x, 1-164. Parisii [Paris]: Apud Fortin, Masson et Cie.

Kützing, F.T. (1843). *Phycologia generalis* oder Anatomie, Physiologie und Systemkunde der Tange. Mit 80 farbig gedruckten Tafeln, gezeichnet und gravirt vom Verfasser. pp. [part 1]: [i]-xxxii, [1]-142, [part 2:] 143-458, 1, err.], pls 1-80. Leipzig: F.A. Brockhaus.

Kützing, F.T. (1849). *Species algarum*. pp. [i]-vi, [1]-922. Lipsiae [Leipzig]: F.A. Brockhaus.

Orellana, S., Hernández, M. & Sansón, M. (2019). Diversity of *Cystoseira sensu lato* (Fucales, Phaeophyceae) in the eastern Atlantic and Mediterranean based on morphological and DNA evidence, including *Carpodesmia* gen. emend. and *Treptacantha* gen. emend.. *European Journal of Phycology* 54: [1-20], 85 figs, 3 tables.

Sellam, L.N., Blanfuné, A., Boudouresque, C.F., Thibaut, T., Rebzani Zahaf, C. & Verlaque, M. (2017). *Cystoseira montagnei* J. Agardh and *C. spinosa* Sauvageau (Phaeophyceae, Sargassaceae): a taxonomic reappraisal of misused names, with the proposal of *Cystoseira michaelae* Verlaque *et al.* *nom. et stat. nov.*. *Cryptogamie Algologie* 38(2): 133-157.