

(2711) Proposal to conserve the name *Gracilariopsis* against *Gracilariophila* (Rhodophyta: Gracilariaceae)

Michael J. Wynne

University of Michigan Herbarium, 3600 Varsity Drive, Ann Arbor, Michigan 48108, U.S.A.

Address for correspondence: Michael J. Wynne, mwynne@umich.edu

DOI

- (2711) *Gracilariopsis* E.Y. Dawson in Allan Hancock Found. Publ. Occas. Pap. 7: 40. 1949, nom. cons. prop.
Typus: *G. sjoestedtii* (Kylin) E.Y. Dawson. (*Gracilaria sjoestedtii* Kylin).
- (=) *Gracilariophila* Setch. & H.L. Wilson in Univ. Calif. Publ. Bot. 4: 81. 26 Mai 1910, nom. rej. prop.
Typus: *G. oryzoides* Setch. & H.L. Wilson.

The red algal parasite genus *Gracilariophila* Setch. & H.L. Wilson (in Univ. Calif. Publ. Bot. 4: 81. 1910) was originally described with only one species, *G. oryzoides*. At that time its hosts were identified as *Gracilaria confervoides* and *G. multipartita*. Recent studies using gene-sequencing methodologies have demonstrated the close phylogenetic relationships between red algal adelphoparasites and their hosts. Proposals have been made to merge the parasite genus with that of the host (Ng & al. in PLOS One 9(5): e97450: 9. 2014; Chen & al. in Bot. Mar. 62: 345. 2019) or to describe new species of red algal parasites directly in their host genus (Preuss & Zuccarello in Algae 29: 279. 2014; in Phycologia 57: 9. 2017; in Eur. J. Phycol. 54: 175. 2019). Preuss & Zuccarello (l.c. 2014) had earlier made the recommendation that most red algal parasite genera should be transferred to their host genus “in order to maintain generic monophyly”. The results of studies by Gurgel & al. (in Phytotaxa 374: 12. 2018) led them to propose the merger of the adelphoparasite *Gracilariophila oryzoides* with its host genus *Gracilariopsis*, resulting in the name *Gracilariopsis oryzoides* (Setch. & H.L. Wilson) Gurgel, J.N. Norris & Fredericq for the parasite. In almost all cases of algal host and algal parasite, the host generic name was validly published at an earlier date than the name of the small and less obvious parasitic genus. But oddly this is not the situation in regard to the host *Gracilariopsis* and the adelphoparasite *Gracilariophila*. The problem with the proposal made by Gurgel & al. (l.c.) is that *Gracilariophila* Setch. & H.L. Wilson (l.c.), with *Gracilariophila oryzoides* Setch. & H.L. Wilson as generitype, has nomenclatural priority over *Gracilariopsis* E.Y. Dawson (l.c.). At this time, 25 species of *Gracilariopsis* are recognized as currently accepted names by Guiry (in Guiry & Guiry, AlgaeBase [www.algaebase.org]. 2019). *Gracilariopsis sjoestedtii* (Kylin) E.Y. Dawson (l.c.) is currently recognized as the generitype. Following Principle III and Art. 11 of the Code (Turland & al. in Regnum Veg. 159. 2018) would have these host species of *Gracilariopsis* transferred to the parasite genus *Gracilariophila*. Consequently, to avoid destabilization of nomenclatural practice, it is proposed to conserve *Gracilariopsis* E.Y. Dawson against *Gracilariophila* Setch. & H.L. Wilson.

Author information

MW, <https://orcid.org/0000-0001-6118-3339>

This is the author manuscript accepted for publication and has undergone full peer review but has not been through the copyediting, typesetting, pagination and proofreading process, which may lead to differences between this version and the Version of Record. Please cite this article as doi: [10.1002/tax.12137](https://doi.org/10.1002/tax.12137)