



The genus *Paracollema* validated (Collemataceae, Peltigerales, Lecanoromycetes)

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Abstract

The invalid generic name *Paracollema* Otálora & Wedin is validated, as are the combinations *Paracollema almbornii* (Degel.) Otálora, P.M. Jørg. & Wedin and *Paracollema italicum* (de Lesd.) Otálora, P.M. Jørg. & Wedin.

Key words – lichens – nomenclature – taxonomy

Introduction

In the recent treatment of the Collemataceae by Otálora et al. (2013[“2014”]) the new genus *Paracollema* Otálora & Wedin was not validly published due to an unfortunate misprint of the required identifier number (Art. 42.1). As a consequence, the two combinations made in *Paracollema* in the same publications were also invalid (Art. 35.1). We rectify all these errors below.

Nomenclature

Paracollema Otálora & Wedin gen. nov.

MycoBank: MB805692

Type species – *Paracollema italicum* (B. de Lesd.) Otálora, P.M. Jørg. & Wedin, holotype.

Etymology – *Paracollema*, a derivation of *Collema*.

Icon – Otálora et al. 2013 (“2014”), Fig. 5J (habitus)

Thallus foliose, small (up to 1cm diam.), homoiomerous, dark olive green to brownish; lobes small, entire and rounded, up to 3 (1.0-2.5) mm wide; lobe surface smooth or slightly wrinkled; cortex absent; isidia present or absent; tomentum absent. Apothecia often present and numerous, laminal, sessile; disc plane to convex, dark red; thalline exciple thin and entire; proper exciple euthyplectenchymatous. Asci very small 30-45 x 8-9 µm. Spores 8 per ascus, very small 10-13 x 3-4.5 µm, narrowly ellipsoid or suboblong, 2-celled. Pycnidia often present. *Habitat* epiphytic.

Comments – This genus is distinguished from other Collemataceae by the very small asci and spores. Based on these characteristics Degelius (1974) defined the *Collema* Italicum-group, where he included only two species. These species are reported from Southern Europe and Northern Africa.

The species – For keys to identify species see: Degelius (1954, 1974). Two species of *Paracollema* formerly included in *Collema* require new combinations:

Paracollema almbornii (Degel.) Otálora, P.M. Jørg. & Wedin, comb. nov.

Mycobank: MB805693

Basionym – *Collema almbornii* Degel., Symb. Bot. Upsal. 20: 61 (1974).

Paracollema italicum (B. de Lesd.) Otálora, P.M. Jørg. & Wedin, comb. nov.

Mycobank: MB805694

Basionym – *Collema italicum* B. de Lesd., in Gyelnik, Bull. Soc. Bot. Fr. 84: 282 (1937).

Discussion

Paracollema was erroneously included in the Notes for genera: Ascomycota paper (Wijayawardane et al. 2017) which supposedly only should include validly published generic names, but the name is now validated here.

The original paper by Otálora et al. appeared in print in Fungal Diversity 64: 275-293 (2014) but the final version had appeared on-line already October 12th 2013. As the on-line version of this journal is the Version of Record, the names in this paper were effectively published under the Code in 2013.

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References

- Degelius G. 1954 – The lichen genus *Collema* in Europe: Morphology, Taxonomy, Ecology. *Symbolae Botanicae Upsalienses* 13, 1–499.
- Degelius G. 1974 – The lichen genus *Collema* with special reference to the extra-European species. *Symbolae Botanicae Upsalienses* 20, 1–215.
- Otálora MAG, Jørgensen PM, Wedin M. 2013 (“2014”) – A revised generic classification of the jelly lichens, Collemataceae. *Fungal Diversity* 64, 275–293. DOI: 10.1007/s13225-013-0266-1.
- Wijayawardane NN, Hyde KD, Rajeshkumar KC, Hawksworth DL et al. 2017 – Notes for genera: Ascomycota. *Fungal Diversity* 86, 1-594. DOI 10.1007/s13225-017-0386-0.