

SHORT COMMUNICATION

Validation of the typifications of *Pertusaria atropallida* and *P. uralensis*

Magdalena Oset

Department of Plant Taxonomy and Nature Conservation, Faculty of Biology, University of Gdańsk,
Wita Stwosza 59, 80-308 Gdańsk, Poland.
E-mail: magdalena.oset@ug.edu.pl

Abstract: The issue of valid publication and typification of *Pertusaria atropallida* and *P. uralensis* is discussed. According to Art. F.5.4 ICN the names were published in 2021 invalidly because the author did not provide a registration number in MycoBank.

Keywords: *Pertusaria*, nomenclature, taxonomy

The hyperdiverse genus *Pertusaria* DC. (Pertusariales, Ascomycota) is unquestionably one of the most abundantly represented lichen genera in the world. According to the literature, ca. 500 species of *Pertusaria* s. str. are known, many of them with several varieties (e.g., Dibben, 1980; Archer, 1993; Lumbsch & Nash, 2001; Lücking et al., 2017; Archer & Elix, 2018). Several names still need clarification, and some papers on typification of names within the genus *Pertusaria* have been published (e.g., Kukwa & Oset, 2021; Oset, 2021a,b). In the recent paper on two new synonyms of *Pertusaria coccodes* (Oset, 2021b), lectotypes for *Pertusaria atropallida* and *P. uralensis* were selected, but those typifications have not been validly published. According to Art. F.5.4 of “International Code of Nomenclature for algae, fungi, and plants” (see Turland et al., 2018; May et al., 2019), as of 1 January 2019, the typification must carry a registration number in MycoBank, but that was missing in Oset (2021b). I therefore validate these typifications here with the necessary registration numbers.

Pertusaria coccodes (Ach.) Nyl.

Mém. Soc. Imp. Sci. Nat. Cherbourg 5: 116 (1857).
– basionym: *Lichen coccodes* Ach., *Lich. suec. prodr.* (Linköping): 10 (1799) [1798].

= *Pertusaria atropallida* Vain., *Meddeland. Soc. Fauna Fl. Fenn.* 6: 180 (1881).

Lectotype (designated here): Finlandia, Kuusamo, Kuusamon pit., Näränkäväära, Kuusen kuorella kuusimetsässä, 1877, E. Wainio (TUR-V

6744!, thallus of *Pertusaria coccodes*; isolectotypes; TUR-V 6743!, H 9505289!, HBG!, MycoBank MBT 10005044).

= *Pertusaria uralensis* Vain., *Ann. Acad. Sci. Fenn., Ser. A*, 27: 80 (1928).

Lectotype (designated here): Rossia, Jugum Uralense, Uralskaja. Pichta, 1880, E. Wainio (TUR-V 6802!, MycoBank MBT 10005045).

ACKNOWLEDGMENTS

I am grateful to Martin Kukwa for bringing attention to Article F5 of the Shenzhen Code.

REFERENCES

- Archer, A. W. 1993. A chemical and morphological arrangement of the lichen genus *Pertusaria*. *Bibliotheca Lichenologica* 53: 1–17.
- Archer, A. W. & Elix, J. A. 2018. A preliminary world-wide key to the lichen genus *Pertusaria* (including *Lepra* species). <https://www.rbgsyd.nsw.gov.au/getmedia/02569f19-bddb-4865-9155-6156d95939f1/Revised-Pertusaria-keyfinal-August-2018.pdf.aspx>, accessed 09.01.2022.
- Dibben, M. J. 1980. The chemosystematics of the lichen genus *Pertusaria* in North America North of Mexico. *Publications in Biology and Geology, Milwaukee Public Museum* 5: 1–162.
- Kukwa, M. & Oset, M. 2021. Proposal to conserve the name *Ochrolechia szatalaensis* against *Pertusaria poriniza* (lichenized Ascomycota: Pertusariales, Ochrolechiaceae). *Taxon* 70 (1): 205–206. <https://doi.org/10.1002/tax.12432>
- Lumbsch, H. T. & Nash, T. H. 2001. *Pertusaria*. In: Nash, T.H., Ryan, B.D., Gries, C. & Bungartz, F.

- (eds.). *Lichen Flora of the Greater Sonoran Desert Region 1*: 341–357.
- Lücking, R., Hodkinson, B. P. & Leavitt, S. D. 2017. The 2016 classification of lichenized fungi in the Ascomycota and Basidiomycota – Approaching one thousand genera. *Bryologist* 119 (4): 361–416. <https://doi.org/10.1639/0007-2745-119.4.361>
- May, T. W., Redhead, S. A., Bensch, K., Hawksworth, D. L., Lendemer, J., Lombard, L. & Turland, N. J. 2019. Chapter F of the International Code of Nomenclature for algae, fungi, and plants as approved by the 11th International Mycological Congress, San Juan, Puerto Rico, July 2018 – IMA Fungus 10: 21. <https://doi.org/10.1186/s43008-019-0019-1>
- Oset, M. 2021a. On the identity of some taxa of *Pertusaria* (lichens) described by C.F.E. Erichsen. *Phytotaxa* 497 (2): 165–171. <https://doi.org/10.11646/phytotaxa.497.2.9>
- Oset, M. 2021b. Two new synonyms of *Pertusaria coccodes* (Pertusariales, Ascomycota). *Folia Cryptogamica Estonica* 58: 61–63. <https://doi.org/10.12697/fce.2021.58.08>
- Turland, N.J., Wiersema, J.H., Barrie, F.R., Greuter, W., Hawksworth, D.L., Herendeen, P.S., Knapp, S., Kusber, W.-H., Li, D.-Z., Marhold, K., May, T.W., McNeill, J., Monro, A.M., Prado, J., Price, M.J. & Smith, G.F. (eds.) 2018. *International Code of Nomenclature for algae, fungi, and plants (Shenzhen Code) adopted by the Nineteenth International Botanical Congress Shenzhen, China, July 2017*. *Regnum Vegetabile* 159: 1–254. <https://doi.org/10.12705/Code.2018>