

## *Neoechinodiscus*, a new name for *Echinodiscus* Etayo & Diederich (lichenicolous Helotiales)

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**ABSTRACT.** – The name *Echinodiscus* Etayo & Diederich is illegitimate because it is a later homonym of *Echinodiscus* Bentham (a genus of legume) and *Echinodiscus* A. Mann (a genus of diatoms). *Neoechinodiscus* is introduced to provide a legitimate name for the genus of lichenicolous fungi. The new combinations *N. lesdainii* and *N. kozhevnikovii* are also proposed for the species included in *Echinodiscus* Etayo & Diederich.

**KEYWORDS.** – *Echinodiscus kozhevnikovii*, nomenclature, *Phacopsis lesdainii*, taxonomy.

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### INTRODUCTION

Etayo & Diederich (2000) proposed a new genus for *Phacopsis lesdainii* Vouaux, a lichenicolous fungus which was found on three species of *Lecania* in Europe (the British Isles, France, and Sweden). The authors chose the generic name *Echinodiscus* Etayo & Diederich for this fungus, transferred *P. lesdainii* to their new genus, and selected a neotype for *P. lesdainii* since the type collected by Bouly de Lesdain was presumed lost (Etayo & Diederich 2000). Subsequently, Zhurbenko (2009) described a second species, *E. kozhevnikovii* Zhurb., that grows on *Cetraria* in the arctic of northern Eurasia.

Although the name *Echinodiscus* Etayo & Diederich is currently in use for these two lichenicolous fungi, it was recognized to be illegitimate by Diederich et al. (2018). While validly published, *Echinodiscus* Etayo & Diederich is a later homonym of the diatom genus *Echinodiscus* A. Mann, which is in turn a later homonym of the legume genus *Echinodiscus* Bentham (see article 53.1 of the ICN; Turland et al. 2018). *Echinodiscus* Leske (1778) is also used for a genus of sand dollars from the family Astrioclypeidae.

Since *Echinodiscus* Etayo & Diederich only includes two species, neither of which is common nor widely referenced in the literature, we assert that conservation of the name is not necessary, as a change in the name would not lead to nomenclatural destabilization. Below we provide a replacement name for *Echinodiscus* Etayo & Diederich and provide new combinations for the names of the two included species.

### NOMENCLATURE

#### ***Neoechinodiscus* Molinari & R. Sierra, nom. nov.**

MycoBank #837745.

**TYPE:** *Neoechinodiscus lesdainii* (Vouaux) R. Sierra & Molinari

≡ *Echinodiscus* Etayo & Diederich, Bull. Soc. Nat. Luxemb. 100: 63. 2000, non *Echinodiscus* Bentham, Comm. Legum. Gen. p. 27. 1837. (= *Pterocarpus* Jacq., Fabaceae) nec *Echinodiscus* A. Mann, Bull. U.S. Natl. Mus. 100(6): 75. 1925. (≡ *Spinodiscus* Desikachary & Ranjita, Bacillariophyceae *incertae sedis*). **TYPE:** *Echinodiscus lesdainii* (Vouaux) Etayo & Diederich

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***Neoechinodiscus lesdainii* (Vouaux) R. Sierra & Molinari, comb. nov.**  
MycoBank #837740.

≡ *Phacopsis lesdainii* Vouaux, Bull. trimestr. Soc. mycol. Fr. 30: 145. 1914. ≡ *Echinodiscus lesdainii* (Vouaux) Etayo & Diederich, Bull. Soc. Nat. Luxemb. 100: 64. 2000. **TYPE: FRANCE. NORD:** Fort-Mardyck, *M.B. Lesdain s.n.* (hb. Lesdain, holotype [presumed lost and destroyed]). **UNITED KINGDOM. NORTHERN IRELAND.** FERMANAGH: VC H33, Enniskillen, Castle Coole, Gurtgonell Plantation, vii.1993, on *Lecania cyrtella* on *Sambucus* twigs, *B.J. Coppins 15732* & *A.M O'Dare* (E00046040[digital image!], neotype; hb. Diederich[n.v.], isoneotype).

***Neoechinodiscus kozhevnikovii* (Zhurb.) Molinari & R. Sierra, comb. nov.**  
MycoBank #837746.

≡ *Echinodiscus kozhevnikovii* Zhurb., Opusc. Philolichenum 6: 96. 2009. **TYPE: RUSSIA: MURMANSK REGION:** Khibiny Mts., head of Kaskasnyunjok Creek, 5 km SE of Umbozerskii pass, 67°46'N, 33°49'W, alt. 600 m, lichen tundra with stones and soil spots, on thallus of *Cetraria islandica*, 18.viii.2007, *M.P. Zhurbenko 0768* (LE 233420[n.v.], holotype; TUR[n.v.], isotype).

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