

***Pseudocercospora lecheae* sp. nov. (Hyphomycetes)**

Uwe BRAUN*

BRAUN, U. 1999. *Pseudocercospora lecheae* sp. nov. (Hyphomycetes). *Fritschiana* **20**: 31 - 33.

Pseudocercospora lecheae sp. nov. (= *Cercoseptoria lecheae* DEARN., nom. nud.) is described, illustrated, and discussed.

Pseudocercospora lecheae sp. nov. (= *Cercoseptoria lecheae* DEARN., nom. nud.) wird beschrieben, abgebildet und diskutiert.

Key words: *Cercoseptoria lecheae* nom. nud., *Pseudocercospora lecheae* sp. nov.

*Dr. Uwe BRAUN, Martin-Luther-Universität Halle, FB. Biologie,
Institut für Geobotanik und Botanischer Garten, Herbarium,
Neuwerk 21, D - 06099 Halle/Saale, BR DEUTSCHLAND
E-mail: braun@botanik.uni-halle.de

In the course of re-examinations of phytopathogenic hyphomycetes in the herbarium of the Institute of Botany, Karl-Franzens-University, Graz (GZU), it turned out that "*Cercoseptoria lecheae* DEARN. n. sp." (in PETRAK, *Mycotheca generalis*, no. 1214) is an invalid name (nom. nud.). Since this fungus on *Lechea intermedia* LEGG. ex BRITTON is characterized by having small to moderately large sporodochial conidiomata, it has to be classified as a hyphomycete. *Cercoseptoria* PETR. is characterized by pigmented stromata, conidiophores, and conidia, and was reduced to synonymy with *Pseudocercospora* SPEG. (DEIGHTON 1987; BRAUN 1988, 1995, 1998). BRAUN (1998) introduced the combination *Pseudocercospora* sect. *Cercoseptoria* (PETR.) U. BRAUN. Since the conidiophores and conidia in "*Cercoseptoria lecheae*" are hyaline or subhyaline, this species has to be assigned to *Pseudocercospora* (BRAUN 1995). It is therefore validated as *P. lecheae* spec. nov. The latter species is the only member of *Pseudocercospora* on hosts belonging to the Cistaceae. There is only a single cercosporoid hyphomycete on *Lechea* spp., viz. *Cercospora lecheae* CHUPP & H. C. GREENE, which is, however, well distinguished by having long, brown conidiophores and shorter, much wider, pigmented conidia with 1-5 septa. *Pseudocercospora lecheae* is morphologically close to *P. cerastii* (H. C. GREENE) U. BRAUN, but differs in having larger, almost colourless, usually intraepidermal stromata.

***Pseudocercospora lecheae* U. BRAUN sp. nov.**

Fig. 1

≡ *Cercoseptoria lecheae* DEARN., in PETRAK, Mycotheca generalis, Lfg. 25-26, No. 1214 (1950), nom. nud.

Diagnosis: *P. cerastii* affinis, a qua imprimis differt stromatibus majoribus, fere incoloribus, saepe intraepidermalibus.

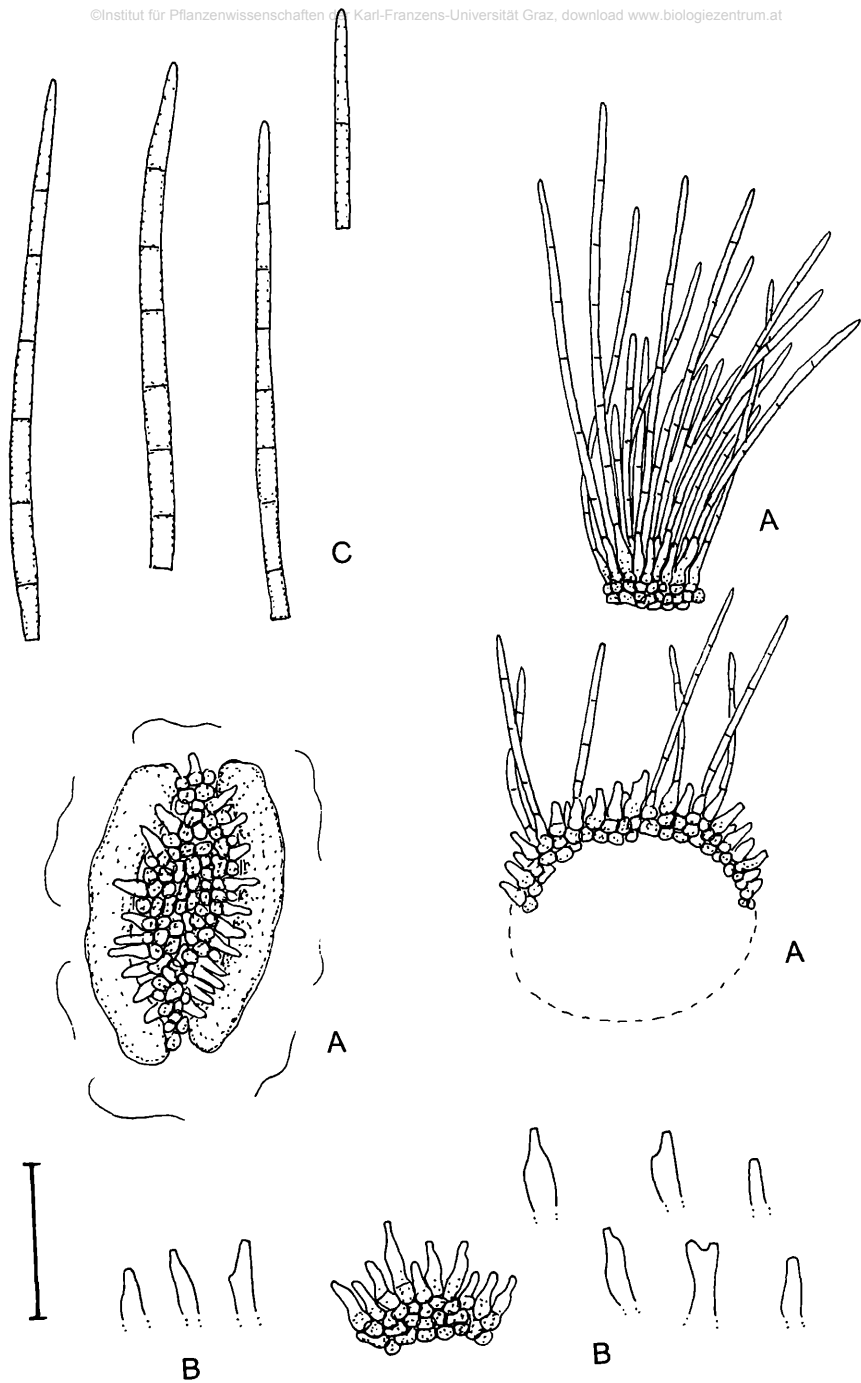
Leaf spots amphigenous, subcircular to irregular, 1-5 mm diam., dingy brown, dark greyish brown to dull blackish brown, margin indefinite or with a somewhat darker border. Caespituli amphigenous, scattered to subgregarious, punctiform, whitish. Mycelium immersed. Conidiomata sporodochial. Stromata well-developed, intraepidermal, occasionally substomatal, outline subcircular to irregular, 20-70(-80) µm diam., somewhat erumpent, composed of slightly swollen hyphal cells, 1-4 µm diam., subhyaline to pale yellowish green. Conidiophores numerous, in dense sporodochial fascicles, arising from stromata, usually erumpent, unbranched, subcylindric-conic, somewhat geniculate-sinuous, 5-15 x 1.5-3 µm, 0(-1)-septate, hyaline or subhyaline, thin-walled, smooth, conidiophores usually reduced to conidiogenous cells, conidial scars inconspicuous. Conidia solitary, acicular-filiform, narrowly subcylindric-subobclavate, (15-)30-85 x 1-2 µm, (1-)3-8-septate, hyaline or subhyaline, smooth, apex acute or subobtuse, base truncate to obconically truncate, hila unthickened, not darkened.

Holotype: on leaves of *Lechea intermedia* LEGG. ex BRITTON (Cistaceae), Canada, Ontario, London, Oakland, August 1925, J. DEARNESS (PETRAK, Mycotheca generalis, no. 1214, GZU). – Isotypes: duplicates of PETRAK, Mycotheca generalis, no. 1214.

References

- BRAUN, U. 1988: Studies on *Ramularia* and allied genera (II). - Nova Hedwigia 47: 335-349.
- BRAUN, U. 1995: A monograph of *Cercospora*, *Ramularia* and allied genera (phytopathogenic hyphomycetes). Vol. 1. - IHW-Verlag Eching.
- BRAUN, U. 1998: A monograph of *Cercospora*, *Ramularia* and allied genera (phytopathogenic hyphomycetes). Vol. 2. - IHW-Verlag Eching.
- DEIGHTON, F. C. 1987: New species of *Pseudocercospora* and *Mycovellosiella* and new combinations in *Pseudocercospora* and *Phaeoramularia*. - Trans. Brit. Mycol. Soc. 88: 365-391.

Fig. 1: *Pseudocercospora lecheae*, A conidiomata, B conidiophores, C - conidia, bar = 20 µm, U. BRAUN del.



Bisher erschienen - hitherto published

(for contents of Fritschiana 1 - 10: see Fritschiana 11, 12, 13, 14 or 15)

- OBERMAYER, W. 1997: Lichenotheca Graecensis, Fasc. 5 (Nos 81 100). – Fritschiana 11: 1 - 6.
- HAFELLNER, J. 1997: Materialien zur Roten Liste gefährdeter Flechten Österreichs. – Fritschiana 12: 3 - 32.
- STARMÜHLER, W. 1998: Ranunculaceae subtrib. Delphiniinae exsiccatae, Fasc. 3 (Nr. 41 - 60). – Fritschiana 13: 1 - 10.
- STARMÜHLER, W. 1998: Aconita rarissima selecta (1998). – Fritschiana 13: 11 - 39.
- STARMÜHLER, W. 1998: Consolidae rarissimae selectae (1998). – Fritschiana 13: 41 - 44.
- STARMÜHLER, W. 1998: Delphinia rarissima selecta (1998). – Fritschiana 13: 45 - 48.
- DRESCHER, A. 1998: Exkursionen des Institutes für Botanik in Graz in die Karpaten im Sommer 1993. – Fritschiana 14: 1 - 54.
- DRESCHER-SCHNEIDER, R. 1998: Vegetations- und Klimageschichte in den West- und Waldkarpaten seit der letzten Eiszeit. – Fritschiana 14: 55 - 72.
- SCHEUER, Ch. 1998: Mycotheca Graecensis, Fasc. 8 10 (Nr. 141 200). – Fritschiana 15: 1 - 21.
- SCHEUER, Ch. 1998: Dupla Fungorum (1998), verteilt vom Institut für Botanik der Universität Graz (GZU). – Fritschiana 15: 23 - 31.
- SCHEUER, Ch. 1998: Schedae emendatae für Pilz-Exsiccatae aus den Plantae Graecenses und Reliquiae Petrakianae. – Fritschiana 15: 33 - 34.
- OBERMAYER, W. 1998: Lichenotheca Graecensis, Fasc. 6 (Nos 101 120). – Fritschiana 16: 1 - 6.
- OBERMAYER, W. 1998: Dupla Graecensia Lichenum (1998). – Fritschiana 16: 7 - 14.
- HAFELLNER, J. 1999: Additions and corrections to the checklist and bibliography of lichens and lichenicolous fungi of insular Laurimacaronesia. I. – Fritschiana 17: 1 - 26.
- STARMÜHLER, W. 1999: Ranunculaceae subtrib. Delphiniinae exsiccatae, Fasc. 4 (Nr. 61 - 80). – Fritschiana 18: 1 - 10.
- STARMÜHLER, W. 1999: Aconita rarissima selecta (1999). – Fritschiana 18: 11 - 38.
- KOMPOSCH, H. & HAFELLNER, J. 1999: List of lichenized fungi so far observed in the tropical lowland rain forest plot Surumoni (Venezuela, Estado Amazonas). – Fritschiana 19: 1 - 10.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Fritschiana](#)

Jahr/Year: 1999

Band/Volume: [20](#)

Autor(en)/Author(s): Braun Uwe

Artikel/Article: [Pseudocercospora lecheae sp. nov. \(Hyphomycetes\). 31-32](#)