

ON THE TYPIFICATION OF SOME PERSOONIAN PYRENOMYCETE NAMES

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The original material of some Persoonian species belonging to the present day genera *Leptosphaeria* and *Lophiostoma* has been revised. Lectotypes are selected for *Sphaeria cristata* Pers., *S. crenata* (Pers.) Fr., *S. diminuens* Pers., and *S. dolium* Pers.

In connection with the author's studies on the taxonomy and nomenclature of certain pyrenomycete genera it was found desirable to lectotypify some Persoonian names. Thanks to the courtesy of the Mycology Department of the Rijksherbarium I have got the opportunity to examine the pertinent material preserved in Persoon's herbarium. The specimens are listed below with the original names and notes cited, as far as I have been able to read them, with some comments added.

***Sphaeria compressa* Pers., Syn. Meth. Fung. 54**

Fr., Syst. Myc. 2: 470. — *Lophiostoma compressum* Ces. & De Not. in Comm. Soc. critt. ital. 1: 219. 1863. — *Platystomum compressum* Trev. in Bull. Soc. R. Bot. Belg. 16: 16. 1877.

910.270-356. '*Sphaeria compressa*' (scr. Persoon). Quite immature.

910.270-358. '*Sphaeria compressa*?' (scr. Persoon). This is *L. compressum* sensu auct. and was appropriately selected as lectotype by Chesters & Bell (1970: 48).

***Sphaeria cristata* Pers., Syn. Meth. Fung. 54**

Lophium cristatum Crouan & Crouan, Fl. Finistère 29. 1867. — *Lophiella cristata* Sacc., in Michelia 1: 337. 1878.

Sphaeria cristata Pers. comprised two infraspecific taxa, viz. α *Sphaeria crenata* and β *Sphaeria arundinis*. It seems reasonable to take *S. crenata* as the type variety, the more so as this name, not *S. cristata*, was sanctioned by Fries in Syst. Myc. 2: 469.

***Sphaeria crenata* (Pers.) Fr., Syst. Myc. 2: 469**

910.270-379. '*Sph. cristata*' (in Persoon's handwriting). This is *L. compressum*.

910.270-390. 'In cortice Populi fastigiatae *Sphaeria*??' (scr. Mougeot). '*cristata* var.? dehiscens?' (scr. Persoon). This is *L. compressum*, too.

910.270-391. '*Sph. cristata* var. *crenata*' (scr. Persoon). This is good material of *L. crenatum* as generally conceived, and is here proposed as lectotype for *Sphaeria crenata* (Pers.) Fr.

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910.270-392. 'Sphaeria cristata β media?' (scr. Persoon). *L. compressum* is present, well developed.

910.270-417. 'in caulibus umbelliferarum Sphaeria cristata??' (scr. Mougeot) 'var.' (scr. Persoon). This is typical and well developed *L. caulium* with the appendages still visible.

910.270-418. 'Sphaeria cristata' (scr. Persoon). This is *Navicella pileata*.

Sphaeria cristata β arundinis Pers., Syn. Meth. Fung. 56

Sphaeria arundinis (Pers.) Fr., Syst. Myc. 2: 510.

910.270-367. 'Sphaeria cristata β arundinis. S. fung. an Spec. distincta. erumpens, inquinans, ostiolo sphaerula . . tiore' (scr. Persoon). The material is in poor condition but is apparently *L. semiliberum*.

910.270-374. 'Sphaeria cristata β arundinis Pers. S. 54: 103' (scr. Chaillet). This is *Leptosphaeria grandispora* Sacc. sensu Müller = *Massariosphaeria grandispora* Leuchtmann.

Sphaeria dehiscens Pers., Syn. Meth. Fung. 55

910.270-410. 'in ramulis Pruni Padi Sphaeria cristata? Pers.' (scr. Mougeot). 'dehiscens' (scr. Persoon). — Old stromata of a pyrenomycete, probably *Eutypella padi*.

910.270-610. 'Sphaeria dehiscens Pers. macrostoma C. 802a' (scr. Chaillet). This is *Navicella pileata*, as already suggested by Chesters & Bell (1970: 32).

910.270-635. 'Sphaeria dehiscens. Syn. fung. p. 55' (scr. Persoon). No identifiable fungus found.

As apparent from the protologue *S. dehiscens* must be considered an obligate synonym of *S. macrostoma* Tode. It has scarcely been used by subsequent authors.

Sphaeria diminuens Pers., Syn. Meth. Fung. 57

Fr., Syst. Myc. 2: 417. — *Lophiostoma diminuens* Ces. & De Not. in Comm. Soc. critt. ital. 1: 220. 1863. — *Lophidium diminuens* Sacc., Syll. 2: 714. 1883.

There are four specimens in the Leiden folder:

910.270-608. 'Sphaeria innata mihi diminuens' (in Persoon's handwriting). No identifiable fungus present.

910.270-615. 'Sphaeria diminuens? sphaerulis immersis, simplicibus, ostiolo crasso prominente.' This is *Lophiostoma compressum*, as already pointed out by Chesters & Bell.

910.270-616. ' tiges mortes du framboisier' (?) (scr. Mougeot). 'Sphaeria diminuens' (det. Persoon). Very immature, according to Chesters & Bell (1970: 9) = '*Lophiostoma angustilabrum*'.

910.270-627. 'Sphaeria diminuens' (scr. Persoon). This is *Lophiostoma compressum*, as stated by Chesters & Bell (1970: 48). We think that this collection would be the appropriate lectotype for *Sphaeria diminuens* which will make this name a taxonomic synonym of *Sphaeria compressa*. The two names being of equal priority we select *S. compressa* (ICBN, Art. 57.2).

Sphaeria libera (Tode) Pers., Syn. Meth. Fung. 54

Sphaeria macrostoma δ *libera* Tode, Fungi Meckl. 2: 13. 1791.

910.267-105. 'Sphaeria pileata Pers. - macrostoma a. C: 802a' (scr. Chaillot). 'Sph. libera?' (scr. Persoon). As stated by Chesters & Bell (1970: 32) this is *Navicella pileata*.

Sphaeria macrostoma Tode, Fungi Meckl. 2: 12. 1791

Persoon did not adopt this name in the Synopsis.

910.263-1128. 'Sphaeria macrostoma Tode Prope Parisios' (scr. Persoon). This matches the description of *L. compressum* var. *pseudomacrostromum* in Chesters & Bell (1970).

910.263-1130. 'Gallia. Sphaeria macrostoma Tode. Fries Syst. 2 p. 269' (scr. Persoon). This is *Navicella pileata*.

910.269-382. 'Sphaeria macrostoma Tode in ligno quercino' (scr. Persoon). As stated by Chesters & Bell (l.c.: 48), this is *L. compressum*.

Sphaeria doliolum Pers., Ic. Descr. 2: 39. 1798

Leptosphaeria doliolum (Pers.) Ces. & De Not., Comm. Soc. critt. ital. 1: 234. 1863.

As is apparent from the following account Persoon had a remarkable clear concept of the species. There are no less than 15 specimens in the *Sphaeria doliolum* folder in Persoon's herbarium.

910.270-490. 'Sphaeria Doliolum var. depressa affinis quoque Sphaeriae Lingam Tode' (scr. Persoon). This is well developed *Massaria anomia* (Fr.).

910.270-492. 'Sph. doliolum Pers.'. Material in poor condition but in all probability it is *L. doliolum* var. *conoidea* (Ces. & De Not.).

910.270-501. 'Sphaeria Doliolum' (scr. Persoon). This certainly is *L. doliolum* var. *conoidea*, though not in very good state.

910.270-515. 'Sphaeria Doliolum. Syn. fung.' (scr. Persoon). It is well developed *L. doliolum* var. *conoidea*!

910.270-519. 'Sphaeria Doliolum var. rimosa Fries 2. 509?' (scr. Persoon). An anamorph with bacterioid conidia.

910.270-526. 'Sphaeria Doliolum var.?' (scr. Persoon) 'in caulibus emortuis plantarum variarum' (scr. Desmazières). In bad condition but seems to be *L. doliolum* var. *conoidea*.

910.270-527. 'Sphaeria Doliolum Syn. ad caules exsicc. umbelliferarum vere' (scr. Persoon). Sundry spores have a longitudinal septum, but otherwise it is typical *L. doliolum* var. *conoidea*.

910.270-535. 'Sph. Doliolum? var. In Artemisia vulgaris' (scr. Persoon). In very poor condition, possibly *L. doliolum* var. *conoidea*.

910.270-536. 'Sphaeria doliolum. Tode.' (not Persoon's handwriting). This is *L. doliolum* var. *doliolum*.

910.270-537. 'Sphaeria-var. Sph. Dolioli? affinis quoque Sph. Herbarum' (scr. Persoon). This is well developed *L. doliolum* var. *conoidea*.

910.270-538. 'Sphaeria Doliolum affinis Sph. Herbarum. In caulibus siccis praesertim Angelicae sylvestris.' Beautiful var. *conoidea*!

910.270-609. 'Sphaeria an ab herbarum distincta', 'ad Doliolum accedit' (scr. Persoon). 'in caulibus herbarum' (scr. Mougeot). The material is too old, but the appearance is suggestive of *L. doliolum* var. *doliolum*.

910.270-650. 'Sphaeria Doliolum' (scr. Persoon). The host seems to be *Urtica*, and the fungus is well developed *L. doliolum* var. *doliolum*. This material seems to be an appropriate lectotype, and is here designated as such.

910.270-661. 'Sphaeria Doliolum' (scr. Persoon). 'in caule arido angelicae sylvestris. autumnno' (scr. Mougeot). This is beautiful var. *conoidea*.

910.270-683. 'Sphaeria Doliolum var. subdepressa' (scr. Persoon). 'in caulibus exsiccatis angelicae sylvestris. aestate Bellovaco'. Empty ascocarps but in all probability *L. doliolum* var. *conoidea*.

REFERENCE

- CHESTERS, C. G. C. & BELL, A. (1970). Studies in the Lophiostomataceae Sacc. In Mycol. Pap. 120.