

## NEW RECORDS OF FUNGI FROM BULGARIAN DOBRUDZHA

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In the present contribution to the mycota of Bulgarian Dobroudzha 16 species of *Peronosporales*, *Erysiphales*, *Ustilaginomycetes*, *Urediniomycetes* and *Hymenomycetes* are reported. Among them 5 species and 9 fungus-host combinations are recorded as new for Bulgaria.

### UVOD

The present article is the second contribution to the fungi of Bulgarian Dobroudzha (Negrean, Denchev, 2000). A field investigation in Dobroudzha during 1998 has yielded 5 species and 9 fungus-host combinations new for Bulgaria, as well as new localities of some previously published species from this region. The listed specimens are kept in the Mycological Collection of the Institute of Botany in Sofia (SOMF) and Mycological Herbarium of the Biological Institute in București (BUCM).

The fungus and host records, new for Bulgaria, are asterisked in the text.

### NEW RECORDS

#### OOMYCOTA, PERONOSPORALES

\**Peronospora crispula* Fuckel on *Reseda inodora* L.: ad Pontum Euxinum, inter pagum Bălgarevo and Cap Kaliakra, N 43°22'52" E 28°27'09", 70 m alt., 22.IX.1998, SOMF 22 377, BUCM 135 991.

**ASCOMYCOTA, ERYSIPTHALES**

*Erysiphe artemisiae* Grev. on \**Artemisia campestris* L. subsp. *campestris*: ad Pontum Euxinum, Balčik, N 43°24' E 28°18', 22.IX.1998, SOMF 22 367, BUCM 135 990.

\**Erysiphe buhrii* U. Braun on *Dianthus leptopetalus* Willd.: ad Pontum Euxinum, Cap Kaliakra, N 43°21'39" E 28°27'57", 50 m alt., 22.IX.1998, SOMF 22 370, BUCM 136 004.

*Erysiphe knautiae* Duby on *Dipsacus fullonum* L.: ad Pontum Euxinum, Balčik, Hortus Botanicus, 25.IX.1998, SOMF 22 368, BUCM 136 144. A new record for Bulgarian Dobroudzha.

\**Leveillula cylindrospora* U. Braun on *Bassia prostrata* (L.) A. J. Scott: (1) ad Pontum Euxinum, Balčik, 30.IX.1998, SOMF 22 374, BUCM 136 314; (2) ad Pontum Euxinum, l.d. Bolata Dere, ad Cap Kaliakra, N 43°22'56.6" E 28°28'13.7", 20 m alt., 22.IX.1998, SOMF 22 373, BUCM 136 046.

*Leveillula taurica* (Lév.) G. Arnaud. on: (1) *Achillea clypeolata* Sibth. & Sm., ad Pontum Euxinum, l.d. Bolata Dere, ad Cap Kaliakra, N 43°22'56.6" E 28°28'13.7", 30 m alt., 22.IX.1998, SOMF 22 372, BUCM 136 049 [a new record for Bulgarian Dobroudzha]; (2) \**Artemisia austriaca* Jacq., ad Pontum Euxinum, Balčik, 30.IX.1998, SOMF 22 375, BUCM 136 315; (3) \**Linaria genistifolia* (L.) Miller subsp. *genistifolia*, ad Pontum Euxinum, l.d. Tuzlata ad Balčik, 28.IX.1998, SOMF 22 371, BUCM 136 303.

\**Oidium abelmoschi* Thüm. on *Abelmoschus esculentus* (L.) Medic. (cult.): ad Pontum Euxinum, Balčik, ad Hortus Botanicus, 1.X.1998, SOMF 22 329, BUCM 136 368.

*Sphaerotheca melampyri* Junell on \**Odontites lutea* (L.) Clairv.: (1) ad Pontum Euxinum, Balčik, 30.IX.1998, SOMF 22 357, BUCM 136 344; (2) ad Pontum Euxinum, Balčik, 1.X.1998, SOMF 22 358, BUCM 136 359; on *Odontites verna* (Bellardi) Dumort. subsp. *serotina* (Dumort.) Corb., ad Pontum Euxinum, inter pagum Bălgarevo and Cap Kaliakra, N 43°22'52" E 28°27'09", 70 m alt., 22.IX.1998, SOMF 22 359, BUCM 135 996 [a new record for Bulgarian Dobroudzha].

*Sphaerotheca verbenae* Săvul. & Negru on \**Verbena officinalis* L.: ad Pontum Euxinum, Balčik, Hortus Botanicus, 25.IX.1998, SOMF 22 334, BUCM 136 145.

**USTOMYCOTA, USTOMYCETES**

*Microbotryum anomalum* (G. Winter) Vánky on \**Fallopia aubertii* (Louis Henry) J. Holub (subspont.): ad Pontum Euxinum, Zlatni Pyasătsi, distr. Varna, 27.IX.1998, SOMF 22 363, BUCM 136 478.

**BASIDIOMYCOTA, UREDINIOMYCETES**

*Coleosporium tussilaginis* (Pers.) Berk. on \**Odontites lutea* (L.) Clairv.: ad Pontum Euxinum, Balčik, 30.IX.1998, SOMF 22 365, BUCM 136 345.

*Phragmidium potentillae* (Pers.) P. Karst. on \**Potentilla patula* Waldst. & Kit.: ad Pontum Euxinum, Balčik, 1.X.1998, SOMF 22 376, BUCM 136 364.

*Puccinia brachypodii* G.H. Otth s.lat. on *Brachypodium sylvaticum* (Hudson) Beauv.: ad Pontum Euxinum, Balčik, Hortus Botanicus, 25.IX.1998, SOMF 22 325, BUCM 136 141. It is a new record for Bulgarian Dobroudzha.

*Puccinia calcitrapae* DC. on \**Jurinea tzar-ferdinandi* Davidov: ad Pontum Euxinum, Balčik, (1) 30.IX.1998, SOMF 22 294, BUCM 136 320; (2) 1.X.1998, SOMF 22 323, BUCM 136 357.

*Uromyces heliotropii* Sred. on *Heliotropium europaeum* L.: ad Pontum Euxinum, Zlatni Pyasātsi, distr. Varna, 27.IX.1998, SOMF 22 361, BUCM 136 219.

**BASIDIOMYCOTA, HYMENOMYCETES**

\**Tulostoma volvulatum* Borse: ad solum, ad Pontum Euxinum, Balčik, 1.X.1998, SOMF 22 360, BUCM 136 384.

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