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Three New Records for the Turkish Myxobiota

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Abstract: The myxomycete taxa from south Marmara and Thrace region *Craterium leucocephalum* (Pers. ex J.F.Gmel.) Ditmar, *Physarum pulcherrimum* Berk. & Ravanel, and *Reticularia liceoides* (Lister) Nann.-Bremek. are recorded for the first time from Turkey.

Key Words: Myxomycetes, myxobiota, new records

Türkiye Miksobiyoası İçin Üç Yeni Kayıt

Özet: Güney Marmara ve Trakya Bölgesinden toplanmış olan miksomiset taksonları *Craterium leucocephalum* (Pers. ex J.F.Gmel.) Ditmar, *Physarum pulcherrimum* Berk. & Ravanel, and *Reticularia liceoides* (Lister) Nann.-Bremek. Türkiye'den ilk kez kaydedilmiştir.

Anahtar Sözcükler: Myxomycetes, miksobiyoa, yeni kayıtlar

Introduction

The number of myxomycete species known worldwide is about 1000; in contrast, the number of known Turkish myxomycete taxa is approximately 200 species and these were collected in recent years (Ergül & Dülger, 2000; 2002a, 2002b, 2002c; Ocak & Hasenekoğlu, 2003a, 2003b; Oran & Ergül, 2004). This number of Turkish *Myxomycetes* is relatively small when compared with other countries which have a similar vegetation and climate. For this reason mycofloristic studies should be encouraged throughout Turkey. In the present study 3 new species were added to the myxobiota of Turkey: *Craterium leucocephalum* (Pers. ex J.F.Gmel.) Ditmar, *Physarum pulcherrimum* Berk. & Ravanel, and *Reticularia liceoides* (Lister) Nann.-Bremek.

Materials and Methods

Bark and foliar materials from different localities were collected on different dates. Some naturally fruiting specimens were collected by gently and directly picking

them from their substrata and placing them in herbarium boxes with a small piece of stick. In addition, some bark specimens were incubated in moist chambers for the production of mature myxomycetes sporocarps (Gilbert & Martin, 1933). Then the myxomycete specimens were slowly dried with their substrata and placed in herbarium boxes. Morphological characters for identification were similar to previously given literature data (Martin & Alexopoulos, 1969; Farr, 1976; Mitchell, 1981; Ing, 1999). Therefore observations on the morphological characters are not given in this paper. We followed the nomenclature given by Lado (2001) for the descriptions of taxa. The specimens are stored in the herbarium of Uludağ University (BULU) in Bursa and in the authors' personal collections.

Findings

Three myxomycete species were identified, all of which are new records for Turkey. The taxon indicated by an asterisk in the following list was obtained using the moist chamber technique.

Craterium leucocephalum (Pers. ex J.F.Gmel.)
Ditmar

Uludağ University Campus area, alt. 80 m,
14.XI.2002, on the needles of *Pinus nigra* J.F.Arnold, CE
326.

Physarum pulcherrimum Berk. & Ravanel

Belgrad Forests (İstanbul), Avlat Aqueduct district,
near a stream, alt. 90 m, 24.IX.2002, on a decaying log,
ORAN 107-2.

**Reticularia liceoides* (Lister) Nann.-Bremek.

Kovada National Park (Isparta), near Lake Kovada, alt.
910 m, 23.VI.2001, from the bark of *Phillyrea latifolia*
L., CE 244.

Acknowledgement

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his help with the identification of *Physarum*
pulcherrimum.

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