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NEW DATA ON THE DISTRIBUTION OF THE MACROMYCETE SPECIES DISCINA ANCILIS AND MYRIOSTOMA COLIFORME IN ROMANIA

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ABSTRACT

This paper presents the distribution of two species of macromycetes in Romania: Discina ancilis and Myriostoma coliforme.

INTRODUCTION

The objective of this paper is to present new data on the distribution of species in Romania. The known distribution of these species in Romania is also updated.

Discina ancilis (Pers.) Sacc. [syn.: *Peziza ancilis* Pers., *Aleuria ancilis* (Pers.) Gillet, *Acetabula ancilis* (Pers.) Lambotte, *Helvella ancilis* (Pers.) Quél., *Gyromitra ancilis* (Pers.) Kreisel, *Peziza perlata* Fr., *Discina perlata* (Fr.) Fr., *Peziza repanda* var. *perlata* (Fr.) Quél., *Gyromitra perlata* (Fr.) Harmaja], it is a species of macromycete with the following position in classification: *Discina*, *Discinaceae*, *Pezizales*, *Pezizomycetidae*, *Pezizomycetes*, *Ascomycota*, *Fungi* (Species Fungorum 2026) (Figs 1, 2).

Myriostoma coliforme (Dicks.) Corda [syn.: *Lycoperdon coliforme* Dicks., *Geastrum coliforme* (Dicks.) Pers. [as '*Geaster coliforme*'], *Polystoma coliforme* (Dicks.) Gray, *Geastrum hygrometricum* var. *coliforme* (Dicks.) Quél., *Lycoperdon coliforme* With., *Myriostoma anglicum* Desv.], it is a species of macromycete with the following position in classification: *Myriostoma*, *Geastraceae*, *Geastrales*, *Phallomycetidae*, *Agaricomycetes*, *Basidiomycota*, *Fungi* (Species Fungorum 2026) (Fig. 3).

MATERIAL AND METHODS

Each taxon included in this study is accompanied by synonyms, distribution in Romania (including distribution maps), new distribution records, ecology (substratum, soil) and conservation status.

The species were identified using specialized literature (Breitenbach & J. Kränzlin 1984; Sălăgeanu & Sălăgeanu 1985; Læssøe & Petersen 2019, Læssøe et al. 2026).

The species distribution maps were made with the help of the Romanian Atlas Web App for Biology (RoBioAtlas 2023).

RESULTS AND DISCUSSIONS

The Romanian distribution of *D. ancilis* was summarized by Eliade (1965: 191), who reported the species from several localities: Bacău County: Ceahlău-Fundoaia (Popovici 1903), Brașov County: Postăvaru (Eliade 1960, 1961, 1963; Herbarul Micoflorei Republicii Socialiste România), București: Pădurea Băneasa (Herbarul Mycologicum Romanicum), Cluj County: Mt. Băișoara (Silaghi 1958), Dâmbovița County: Mții Bucegi-Cheile Tătarului (Eliade 1960, 1961, 1963; Herbarul Micoflorei Republicii Socialiste România) (Fig. 4).

New distribution records: 16.05.2026, Argeș County, ROSCI012, the Făgăraș Mountains, near the road DJ703I, at the SW edge of the meadow in the Moliviș Plateau, 45.374275/24.681700, altitude 1077 m, in the soil around an old *Picea abies* stump (Fig. 4).

Conservation status: In Romania, the species is not mentioned in the Red List of Romanian Macrofungi Species (Tănase & Pop 2005).



Figure 1. *Discina ancilis* – ascoma



Figure 2. *Discina ancilis* – hymenial surface

The Romanian **distribution of *M. coliforme*** was summarized by Eliade (1965: 268) and later by Pop & Tănase (2003), who reported the species from several localities: Ialomița County: Dor Mărunt; Constanța County: Hagieni; Galați County: Tecuci, Hanul Conachi; Vrancea County: Milcovul, Focșani-Crângu (Brândză & Solacolu 1932); Prahova County: Chițorani (Ploiești) (Alexandri 1932,1934; Herbarul Mycologicum Romanicum); Buzău County: Râmnicu Sărăt (Brândză & Solacolu 1932; Bontea 1953); Cluj County: Cluj Napoca (Silaghi 1966) (Fig. 5).

Later, the species was reported from Ialomița County: Bărăgan Experimental Station (Fodor 2000); Băneasa forest (Radu 2005); from the Székely region, but without specifying of the locality (Pál-Fám & Benedek 2025).

New distribution record: 28.07.2026, Dolj County, in the yard of the Research and Development Station for Plant Cultivation on Sands (SCDCPN) **Dăbuleni**, 43.797382/24.064032, altitude 55-56 m, on sandy soil (Fig. 5).

Conservation status – the species is protected and monitored as a rare species in Europe (Pop, A. & Tănase C. 2003) being assigned the vulnerable conservation category on Romania's red list (Tănase & Pop 2005). The species is candidates for listing in Appendix I of the Bern Convention (Dahlberg & Croneborg 2006).



Figure 3. *Myriostoma coliforme* - basidioma

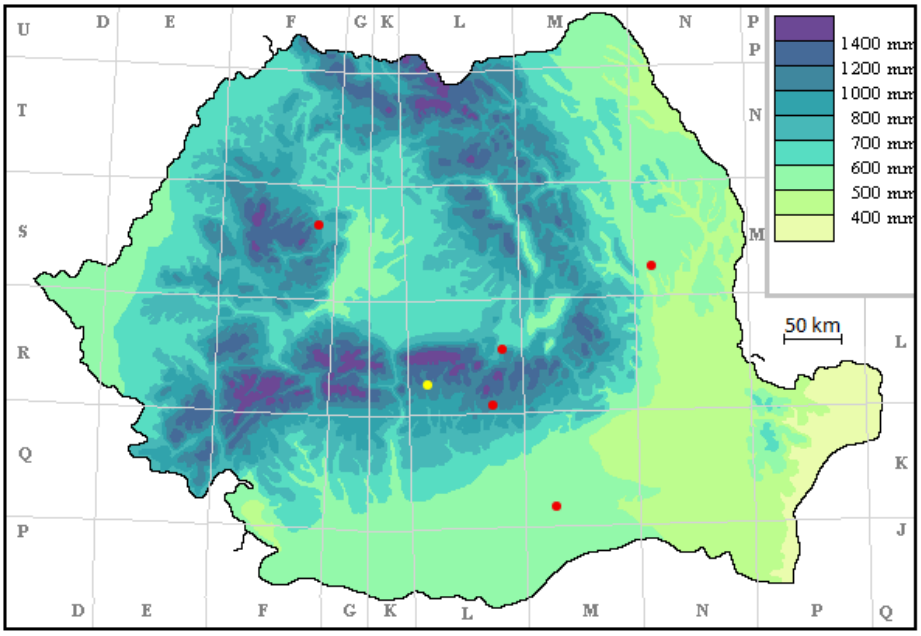


Figure 4. The map of the distribution of *Discina ancilis*
(● - literature date, ● - new distribution record)

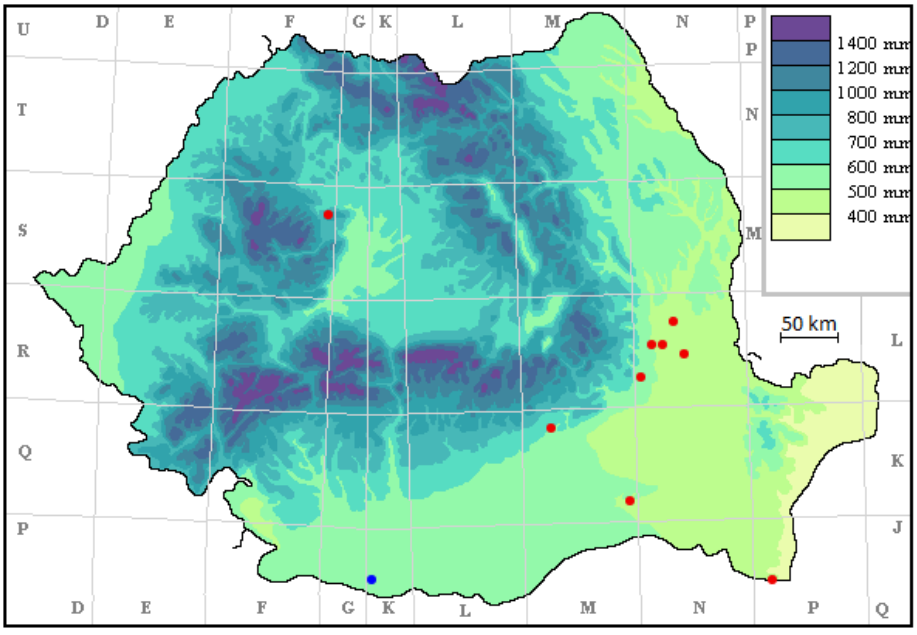


Figure 5. The map of the distribution of *Myriostoma coliforme*
(● - literature date, ● - new distribution record)

CONCLUSIONS

The article presents new data on the distribution of the two species of macromycetes.

Myriostoma coliforme is a rare species in Romania and Europe.

Discina ancilis is not classified in a conservation category in Romania.

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