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THE CONSPECTUS OF MUSHROOMS COLLECTED FOR THE TEMPORARY EXHIBITION “THE WORLD OF MUSHROOMS”, THE 16TH EDITION

OTILIA CARMEN PAVEL, ORTANSA JIGĂU*

ABSTRACT

The annual exhibition "The World of Mushrooms" - the 16th edition was organized in the garden of the "Ion Borcea" Natural Science Museum Complex of Bacău and was open to visitors between October 13-16, 2022.

The mycological material was collected during mycological applications carried out between October 11-12, 2022, in forests within the localities of: Dărmănești, Dofteana and Slănic-Moldova.

During the exhibition of fresh mushrooms, visitors had the opportunity to discover the diversity of mushroom species that grow in the forests of Bacău County. We have identified 150 mushroom species, belonging to 2 phylums, 5 classes, 14 orders, 47 families and 81 genera.

The list contains 5 species included in the Red List of Romanian Macrofungi species: *Clitocybe odora* (Bull.) P. Kumm. 1871, *Hericium clathroides* (Pall.) Pers. 1797, *Hygrophorus russula* (Schaeff. ex Fr.) Kauffman 1918, *Lactarius salmonicolor* R. Heim & Leclair 1953 and *Suillus grevillei* (Klotzsch) Singer 1945.

Key words: fungi, macrofungi, mushroom, macromycetes, exhibition, museum, Bacău, România.

Introduction

The temporary exhibition "The World of Mushrooms" has been organized since 1999 by the "Ion Borcea" Natural Sciences Museum Complex of Bacău.

The exhibition is aimed at the general public and brings to the attention of visitors different species of mushrooms collected from natural habitats. Held annually, the exhibition aims to make known the diverse world of mushrooms and to raise awareness among consumers and mushroom pickers about the main species of toxic and edible mushrooms that grow in the forests of Romania.

Material and method

The organization of the temporary exhibition involved a series of specific activities: mycological applications in the forests of Bacău County, the creation of information and popularization materials, the identification of collected wild mushrooms and the thematic organization of the exhibition.

The mycological material was collected during mycological applications carried out between October 11-12, 2022, in forests within the localities of: Dărmănești, Dofteana and Slănic-Moldova.

Between October 11 and 12, 2022, 3 mycological applications were carried out to collect mushrooms from coniferous, mixed and deciduous forests around the following localities in Bacău County: Dărmănești, Dofteana and Slănic-Moldova (Fig.1).

The collected mushrooms specimens were identified using the mycological literature and database (2, 3, 4, 5, 6, 7,8, 9, 14).

Taxa and their authors were given according to on amended Index Fungorum (11).

The classification of the macromycetes regarding the ecological categories, their use and importance for people was made after G. Sălăgeanu (9), C. Tănase (11), E. Boa (1) and databases (13,14).

Wild mushroom species were exhibited within the temporary exhibition "The World of Mushrooms", the 16th edition".

Fig. 1 – Distribution of forests in Bacău County

* “Ion Borcea” Museum of Natural Science Complex, Bacău, Romania; e-mail: otiliapavel@yahoo.com., ortansa.jigau@yahoo.com.

The mycological material was determined and thematically organized within the exhibition into systematic groups, by specialists from the Museum of Natural Sciences.

The annual exhibition "The World of Mushrooms" - the 16th edition was organized in the garden of the "Ion Borcea" Natural Science Museum Complex of Bacău and was open to visitors between October 13-16, 2022.

Results and discussions

The macromycetes list includes includes 150 species of macrofungi belonging to: 1 kingdom (Fungi), 2 phylums (Ascomycota – 6 species and Basidiomycota – 144 species), 5 classes, 14 orders, 47 families and 81 genera (tab. 1).

The most wild mushrooms (85 species) were collected from deciduous and coniferous forests in the surroundings of the Dărmăneşti, located on the Uz River in the Nemira Mountains (Eastern Carpathians), on October 11, 2022. (tab. 1).

The orders with the most numerous species are Agaricales (74 species) and Russulales (32 species).The genera with the most numerous species are Russula with 17 species and Lactarius with 10 species. (tab.1).

The macromycete species belong to 7 ecological categories (tab. 1). The ecological spectrum is generally dominated by mycorrhizal species (65 species) (tab.1, fig. 2).

From the point of view of economic importance the most numerous are the inedible species – 65, followed by the edible species – 47, poisonous species -24, food species – 10, medicinal mushrooms species – 8 and deadly poisonous species – 4 (tab.1, fig. 3).

The list contains 5 species included in the Red List of Romanian Macrofungi species: : *Clitocybe odora* (Bull.) P. Kumm. 1871, *Hericium clathroides* (Pall.) Pers. 1797, *Hygrophorus russula* (Schaeff. ex Fr.) Kauffman 1918, *Lactarius salmonicolor* R. Heim & Leclair 1953 and *Suillus grevillei* (Klotzsch) Singer 1945.

The opening of the "The World of Mushrooms", 16th edition exhibition was organized in the Sensory Garden of the Museum of Natural Sciences, on October 13, 2022. (fig. 4).

The participants in the event and the visitors had the opportunity to admire the diversity of mushroom species that grow in the forests of Bacău County

Table 1 - Macromycete species

No.	Sistematic positions and species name	Ecological category	Economic importance of fungi	D	DO	SM
	Kingdom FUNGI					
	Phylum Ascomycota					
	Class Leotiomycetes					
	Order Helotiales					
	Family Gelatinodiscaceae					
1	*Ascocoryne sarcoides* (Jacq.) J.W. Groves & D.E. Wilson 1967	Sl	inedible	x		
	Class Pezizomycetes					
	Order Pezizales					
	Family Pezizaceae					
2.	*Helvella crispa* (Scop.) Fr. 1822	St	poisonous	x		
	Family Pyronemataceae					
3.	*Aleuria aurantia* (Pers.) Fuckel 1870	St	edible	x		
	Class Sordariomycetes					
	Order Xylariales					
	Family Xylariaceae					
4.	*Xylaria hypoxylon* (L.) Grev. 1824	Sl	inedible	x	x	x
5.	*Xylaria polymorpha* (Pers.) Grev. 1824	Sl	inedible	x		x
	Family Hypoxylaceae					
6.	*Hypoxylon fragiforme* (Pers.) J. Kickx f. 1835	Sl	inedible	x		x
	Phylum Basidiomycota					
	Class Agaricomycetes					
	Order Agaricales					
	Family Agaricaceae					
1.	*Agaricus sylvicola* (Vittad.) Peck 1872	St	edible	**x**		
2.	*Chlorophyllum rhacodes* (Vittad.) Vellinga 2002	St	inedible	x	x	x
3.	*Coprinus comatus* (O.F. Müll.) Pers. 1797	St	food	x		
4.	*Echinoderma asperum* (Pers.) Bon 1991	St	poisonous	x		x

5.	*Macrolepiota mastoidea* (Fr.) Singer 1949	St	edible	x		
6.	*Macrolepiota procera* (Scop.) Singer 1948	St	food	**x**	**x**	**x**
	Family Amanitaceae					
7.	*Amanita citrina* Pers. 1797	M	inedible	x	x	x
8.	*Amanita fulva* Fr. 1815	M	inedible	x		
9.	*Amanita muscaria* (L.) Lam. 1783	M	poisonous	x	x	x
10.	*Amanita pantherina* (DC.) Krombh 1846	M	deadly poisonous	x		
11.	*Amanita phalloides* (Vaill. ex Fr.) Link 1833	M	deadly poisonous	x	x	
12.	*Amanita rubescens* Pers. 1797	M	edible	x	x	x
13.	*Amanita vaginata* (Bull.) Lam 1783	M	edible	x	x	x
14.	*Amanita virosa* Bertill. 1866	M	deadly poisonous	x		
	Family Clavariaceae					
15.	*Clavaria fragilis* Holmsk. 1790	St	inedible	x		
	Family Cortinariaceae					
16.	*Cortinarius cinnabarinus* Fr. 1838	M	inedible	x		
17.	*Cortinarius caerulescens* (Schaeff.) Fr. 1838	M	inedible	x		
18.	*Cortinarius varius* (Schaeff.) Fr. 1838	M	edible	x		x
	Family Hydnangiaceae					
19.	*Laccaria amethystina* Cooke 1844	M	edible	x	x	x
	Family Hygrophoraceae					
20.	*Hygrophorus eburneus* (Bull.) Fr. 1838	M	edible	x	x	x
21.	*Hygrophorus pudorinus* (Fr.) Fr. 1836	M	edible	x		
22.	*Hygrophorus poetarum* R. Heim 1948	M	edible	x		
23.	*Hygrophorus russula* (Schaeff. ex Fr.) Kauffman 1918	M	edible	x		
	Family Hymenogastraceae					
24.	*Hebeloma sinapizans* (Paulet) Gillet 1876	M	poisonous	x	x	x
	Family Inocybaceae					
25.	*Inocybe geophylla* P. Kumm. 1871	M	poisonous	x		
26.	*Crepidotus variabilis* (Pers.) P. Kumm. 1871	Sl	inedible	x		
	Family Lycoperdaceae					
27.	*Apioperdon pyriforme* (Schaeff.) Vizzini 2017	Sl	edible	**x**	**x**	**x**
28.	*Lycoperdon excipuliforme* (Scop.) Pers. (1801)	Sh	edible	**x**	**x**	**x**
29.	*Lycoperdon perlatum* Pers. 1796	St	edible	**x**		
30.	*Lycoperdon verucosum* Sosin 1952	M	poisonous		**x**	
	Family Lyophyllaceae					
31.	*Lyophyllum decastes* (Fr.) Singer 1951	Sh	edible	x		
32.	*Asterophora parasitica* (Bull.) Singer 1951	Pf	inedible	x		
	Family Marasmiaceae					
33.	*Marasmius rotula* (Scop.) Fr. 1838	Sl	inedible	**x**		**x**
34.	*Megacollybia platyphylla* (Pers.) Kotl. & Pouzar 1972	Sl	poisonous	x	x	x
	Family Mycenaceae					
35.	*Mycena galericulata* (Scop.) Gray 1821	Sl	inedible	x	x	x
36.	*Mycena polygramma* (Bull.) Gray 1821	Sl	inedible	x	x	x
37.	*Mycena pelianthina* (Fr.) Quél. 1872	Sf	poisonous	x	x	x
38.	*Mycena pura* (Pers.) P. Kumm.1871	Sf	poisonous	x	x	x
39.	*Mycena rosea* Gramberg 1912	Sf	poisonous	x	x	x
40.	*Mycena vitilis* (Fr.) Quél. 1872	Sf	inedible	x		
41.	*Panellus stipticus* (Bull.) P. Karst. 1879	SPl	inedible	x		
	Family Omphalotaceae					
42.	*Gymnopus dryophilus* (Bull.) Murrill (1916)	Sf	inedible	x		x
43.	*Gymnopus peronatus* (Bolton) Antonín, Halling & Noordel. 1997	Sf	inedible	x		x
44.	*Mycetinis alliaceus* (Jacq.) Earle ex A.W. Wilson & Desjardin 2005	Sf	inedible	x	x	x
45.	*Rhodocollybia butyracea* (Bull.) Lennox 1979	Sf	inedible	x	x	x
	Family Physalacriaceae					
46.	*Armillaria mellea* (Vahl) P. Kumm. 1871	SPl	edible	x	x	x
47.	*Armillaria ostoyae* (Romagn.) Herink 1973	SPl	edible	x	x	x
48.	*Hymenopellis radicata* (Relhan) R.H. Petersen 2010	Sl	edible	**x**	**x**	**x**
49.	*Mucidula mucida* (Schrad.) Pat. 1887	SPl	inedible	**x**	**x**	**x**
	Family Pluteaceae					
50.	*Pluteus cervinus* (Schaeff.) P. Kumm.1871	Sl	edible	x	x	x

51.	*Pluteus umbrosus* (Pers.) P. Kumm. 1871	Sl	inedible	x		
	Family Pleurotaceae					
52.	*Pleurotus ostreatus* (Jacq.) P. Kumm. 1871	SPl	food, medicinal	x		
	Family Psathyrellaceae					
53.	*Coprinopsis picacea* (Bull.) Redhead, Vilgalys & Moncalvo 2001	St	poisonous		x	
54.	*Coprinellus micaceus* (Bull.) Vilgalys, Hopple & Jacq. Johnson 2001	Sl	inedible	x	x	
	Family Schizophyllaceae					
55.	*Schizophyllum commune* Fr. 1815	SPl	inedible, medicinal	x		
	Family Strophariaceae					
56.	*Hypholoma fasciculare* (Huds.) P. Kumm. 1871	Sl	poisonous	x	x	x
57.	*Hypholoma capnoides* (Fr.) P. Kumm. 1871	Sl	edible	x	x	x
58.	*Hypholoma lateritium* (Schaeff.) P. Kumm. 1871	Sl	inedible	x	x	x
59.	*Pholiota adiposa* (Batsch) P. Kumm. 1871	SPl	inedible	x	x	x
60.	*Pholiota aurivella* (Batsch) P. Kumm. 1871	SPl	inedible	x	x	x
61.	*Pholiota squarrosa* (Vahl) P. Kumm. 1871	SPl	inedible	x	x	x
62.	*Stropharia aeruginosa* (Curtis) Quél. 1872	Sf	inedible	x		x
	Family Tricholomataceae					
63.	*Tricholoma atrosquamosum* Sacc. 1887	M	edible	x		
64.	*Tricholoma saponaceum* (Fr.) P. Kumm. 1871	M	poisonous	x		
65.	*Tricholoma terreum* (Schaeff.) P. Kumm. 1871	M	poisonous	x		
66.	*Tricholoma vaccinum* (Schaeff.) P. Kumm. 1871	M	inedible	x		
67.	*Tricholomopsis rutilans* (Schaeff.) Singer 1939	Sl	inedible	x		x
	Incertae sedis					
68.	*Clitocybe nebularis* (Batsch) P. Kumm. 1871	Sh	poisonous	x	x	x
69.	*Clitocybe odora* (Bull.) P. Kumm. 1871	Sh	inedible	x		
70.	*Infundibulicybe gibba* (Pers.) Harmaja 1871	Sf	edible	x	x	x
71.	*Lepista irina* (Fr.) H.E. Bigelow 1959	Sh	edible	x		x
72.	*Lepista nuda* (Bull.) Cooke 1871	Sh	food	x	x	x
73.	*Paralepista flaccida* (Sowerby) Vizzini 2012	Sh	inedible		x	
74.	*Fistulina hepatica* (Schaeff.) With. 1801	SPl	edible			
	Order Auriculariales					
	Family Auriculariaceae					
75.	*Auricularia auricula-judae* (Bull.) Quél. 1886	SPl	edible, medicinal	x		
	Incertae sedis					
76.	*Pseudohydnum gelatinosum* (Scop.) P. Karst. 1868	Sl	edible	x	x	x
77.	*Guepinia helvelloides* (DC.) Fr. 1828	Sl	edible	x		
	Order Boletales					
	Family Boletaceae					
78.	*Boletus edulis* Bull. 1782	M	food	x		
79.	*Caloboletus calopus* (Pers.) Vizzini 2014	M	poisonous	x	x	x
80.	*Imleria badia* (Fr.) Vizzini 2014	M	food	x	x	
81.	*Neoboletus erythropus* (Pers.) C. Hahn 2015	M	edible	x	x	x
82.	*Xerocomellus chrysenteron* (Bull.) Šutara 2008	M	edible	x	x	x
83.	*Xerocomus subtomentosus* (L.) Quél. 1887	M	edible	x	x	x
	Family Suillaceae					
84.	*Suillus grevillei* (Klotzsch) Singer 1945	M	edible	x		
	Family Gomphidiaceae					
85.	*Gomphidius glutinosus* (Schaeff.) Fr.	M	edible	x		x
	Family Paxillaceae					
86.	*Paxillus involutus* (Batsch) Fr. 1838	M	deadly poisonous	x	x	
	Order Cantharellales					
	Family Clavulinaceae					
87.	*Clavulina cinerea* (Bull.) J. Schröt. 1888	St	edible	**x**		
	Family Hydnaceae					
88.	*Cantharellus cibarius* Fr. 1821	M	food	x	x	
89.	*Cantharellus amethysteus* (Quél.) Sacc. 1887	M	edible	x		
90.	*Craterellus cornucopioides* (L.) Pers. 1825	M	food		x	
	Order Gomphales					
	Family Gomphaceae					
91.	*Ramaria stricta* (Pers.) Quél 1888	Sl	inedible	x		x

92.	*Ramaria gracilis* (Pers.) Quél. 1888	M	inedible	x		x
	Order Gloeophyllales					
	Family Gloeophyllaceae					
93.	*Gloeophyllum odoratum* (Wulfen) Imazeki 1943	Sl	inedible	**x**		
	Order Polyporales					
	Family Ganodermataceae					
94.	*Ganoderma applanatum* (Pers.) Pat. 1887	SPl	inedible, medicinal	x	x	
95.	*Ganoderma lucidum* (Curtis) P. Karst. 1881	SPl	inedible, medicinal		x	
	Family Fomitopsidaceae					
96.	*Fomitopsis pinicola* (Sw.) P. Karst. 1881	SPl	inedible, medicinal	x	x	x
	Family Meripilaceae					
97.	*Meripilus giganteus* (Pers.) P. Karst. 1882	SPl	inedible	x		
	Family Meruliaceae					
98.	*Phlebia tremellosa* (Schrad.) Nakasone & Burds. 1984	SPl	inedible	x		
	Family Phanerochaetaceae					
99.	*Bjerkandera adusta* (Willd.) P. Karst. 1879	Sl	inedible	x	x	
	Family Polyporaceae					
100.	*Cerioporus varius* (Pers.) Zmitr. & Kovalenko 2016	SPl	inedible	x	x	
101.	*Daedaleopsis tricolor* (Bull.) Bondartsev & Singer 1941	Sl	inedible	x	x	
102.	*Fomes fomentarius* (L.) J. Kickx f. 1867	SPl	inedible, medicinal	x	x	
103.	*Lentinus arcularius* (Batsch) Zmitr. 2010	Sl	inedible		x	
104.	*Picipes badius* (Pers.) Zmitr. & Kovalenko 2016	Sl	inedible	x	x	x
105.	*Trametes gibbosa* (Pers.) Fr. 1838	Sl	inedible	x	x	x
106.	*Trametes hirsuta* (Wulfen) Lloyd 1924	Sl	inedible	x	x	x
107.	*Trametes ochracea* (Pers.) Gilb. & Ryvarden 1987	Sl	inedible	x	x	x
108.	*Trametes pubescens* (Schumach.) Pilát 1939	SPl	inedible	x	x	x
109.	*Trametes versicolor* (L.) Lloyd 1921	Sl	inedible, medicinal	x	x	x
	Order Russulales					
	Family Bondarzewiaceae					
110.	*Heterobasidion annosum* (Fr.) Bref 1888	SPl	inedible	x		x
	Family Hericiaceae					
111.	*Hericium clathroides* (Pall.) Pers. 1797	SPl	edible	x		x
112.	*Hericium coralloides* (Scop.) Pers. 1794	SPl	edible	x		x
	Family Russulaceae					
113.	*Lactarius blennius* (Fr.) Fr. 1838	M	poisonous	x	x	x
114.	*Lactarius circellatus* Fr. 1838	M	poisonous		x	
115.	*Lactarius deterrimus* Gröger 1968	M	edible		x	
116.	*Lactarius fluens* Boud.1899	M	poisonous		x	
117.	*Lactarius quietus* (Fr.) Fr. 1838	M	inedible		x	
118.	*Lactarius plumbeus* (Bull.) Gray 1821	M	inedible	x	x	x
119.	*Lactarius salmonicolor* R. Heim & Leclair 1953	M	edible	x	x	x
120.	*Lactarius scrobiculatus* (Scop.) Fr. 1838	M	poisonous	x	x	x
121.	*Lactarius trivialis* (Fr.) Fr. 1838	M	poisonous	x	x	x
122.	*Lactifluus vellereus* (Fr.) Kuntze 1891	M	inedible	x	x	x
123.	*Russula alutacea* (Fr.) Fr. 1838	M	edible	x	x	x
124.	*Russula chloroides* (Krombh.) Bres. 1900	M	edible	x	x	x
125.	*Russula cyanoxantha* (Schaeff.) Fr 1863	M	food	x	x	x
126.	*Russula delica* Fr. 1838	M	edible	x		x
127.	*Russula emetica* (Schaeff.) Pers. 1796	M	poisonous	x		x
128.	*Russula fellea* (Fr.) Fr. 1838	M	inedible	x	x	x
129.	*Russula foetens* Pers. 1796	M	poisonous	x	x	x
130.	*Russula fragilis* Fr. 1838	M	poisonous	x	x	x
131.	*Russula heterophylla* (Fr.) Fr. 1838	M	edible	x		x
132.	*Russula integra* (L.) Fr. 1838	M	edible	x	x	x
133.	*Russula nigricans* (Bull.) Fr. 1838	M	inedible	x	x	x
134.	*Russula ochroleuca* Fr. 1838	M	edible	x		x
135.	*Russula olivacea* (Schaeff.) Fr. 1838	M	edible	x	x	x
136.	*Russula vesca* Fr. 1836	M	food		x	x
137.	*Russula viscida* Kudřna 1928	M	edible	x		

138.	*Russula violacea* Quél.	M	inedible	x		
139.	*Russula xerampelina* (Schaeff.) Fr. 1838	M	edible	x	x	x
	Family Stereaceae					
140.	*Stereum hirsutum* (Willd.) Pers. 1800	SPl	inedible	x	x	x
	Incertae sedis					
141.	*Laeticutis cristata* (Schaeff.) Audet 2010	M	inedible	x		
	Order Thelephorales					
	Family Bankeraaceae					
142.	*Sarcodon imbricatus* (L.) P. Karst. 1881	M	inedible	x		
	Class Dacrymycetes					
	Order Dacrymycetales					
	Family Dacrymycetaceae					
143.	*Calocera viscosa* (Pers.) Fr. 1821	Sl	inedible	x		
	Class Tremellomycetes					
	Order Tremellales					
	Family Tremellaceae					
144.	*Tremella mesenterica* (Schaeff.) Pers. 1801	Sl	inedible	x		x
Total numbers of species - 150				**138**	**84**	**85**

Legend:			
Ecological category	**Species number**	**Categories of economic importance of fungi**	**Species number**
M - ectomycorrhizal fungi	65	**food** - eatable, very good	10
Sh - saprotrophic fungi on humus	7	**edible** - eatable, good, low food value	47
St - saprotrophic fungi on soil or humus	12	**inedible -** inedible, not recommended	65
Sf - saprotrophic fungi on litter	10	**medicinal** - used as medicine or with medicinal properties	4
Sl - saprotrophic fungi on dead wood	32	**poisonous** - do not eat; mushrooms which cause intoxications	24
SPl - saproparasitic fungi on wood	23	**deadly poisonous -**	4
Pf - fungal parasite	1		
Locality and date of collection: Dărmăneşti (D), 11.10.2022; Dofteana (DO), 12.10.2022; Slănic-Moldova (SM), 11.10.2022			

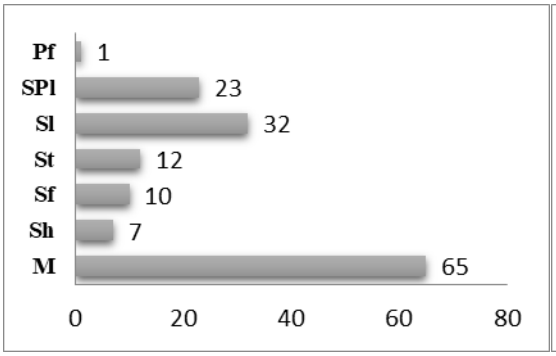

Fig. 2 - The spectrum of ecological categories

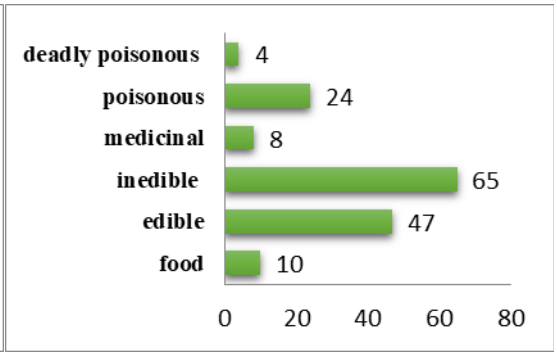

Fig. 3 - The spectrum of economic importance categories

Conclusions

The "World of Mushrooms" temporary exhibition is an annual cultural event organized by the Natural Sciences Museum Complex "Ion Borcea", Bacău with the aim of presenting the diversity of wild mushrooms to the general public.

The macromycetes list includes 150 species that belong to: 1 kingdom (Fungi), 2 phylums (Ascomycota – 6 species and Basidiomycota – 144 species), 5 classes, 14 orders, 47 families and 81 genera.

From the point of view of economic importance, the most mushrooms are: inedible (65 species), edible (47 species), poisonous (24 species), food (10 species), medicinal (8 species) and deadly poisonous (4 species).

The annual mushroom exhibition organized by the institution's specialists was a cultural event in

which visitors discovered the diversity of mushroom species that grow in the forests of Romania.

Rezumat

Expoziţia temporară „Lumea Ciupercilor”, ediţia a XVI - a a fost deschisă în Grădina Sezorială a Muzeului de Ştiinţe Naturii (unitate a Complexului Muzeal de Ştiinţele Naturii „Ion Borcea” Bacău), în perioada 13-16 octombrie 2022.

Expoziţia temporară a fost organizată cu scopul de a face cunoscută lumea diversă a ciupercilor şi de a conştientiza publicul larg cu privire la principale specii de ciuperci toxice şi comestibile, care cresc în pădurile din judeţul Bacău.

În cadrul expoziţiei, vizitatorii au admirat eşantioane de ciuperci proaspete colectate din păduri din judeţul Bacău. Materialul micologic a fost colectat de către specialiştii Muzeului de Ştiinţele Naturii, în perioada 10 – 12 octombrie 2022 şi expus tematic în cadrul expoziţiei pe grupe sistematice.

Conspectul sistematic al macromicetelor include 150 de specii, care aparţin la: 2 încrengături (Ascomycota – 6 specii, Basidiomycota -144 specii), 5 clase, 14 ordine, 47 familii şi 81 genuri. Speciile aparţin la 7 categorii ecologice. Din punct de vedere al importanţei economice, cele mai numeroase macromicete au fost speciile necomestibile – 65, urmate de comestibile – 47 specii, toxice -24, comestibile (foarte bune) -10 specii, specii medicinale – 8 specii şi 4 specii letale.

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Fig. 4 - Images from the opening of the temporary exhibition "The World of Mushrooms", 16th edition