

PRELIMINARY LIST OF THE SPIDERS (ARACHNIDA) FROM NORTHWESTERN ROMANIA (TINCA AREA, BIHOR COUNTY)

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RESEARCH ARTICLE

Abstract

In this paper there were presented preliminary research on spiders (Arachnida) from northwestern Romania (Tinca area, Bihor county) during October 2020 – October 2022. There were recorded 59 species belonging to 18 families and 47 genera. Some phenological data unpublished in the scientific literature were obtained.

Keywords: spiders, Tinca, area, Bihor, county.

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INTRODUCTION

Bihor county is located in Crişana region, in the north – western part of Romania. Tinca area is located in the south – western part of Bihor county, with a surface of 454 Km², at the confluence of the Miersigului Plain and the Holodului Depression. The average altitude is 110 m, the climate is temperate – continental moderate, the drainage is represented by Crişul Negru river. The vegetation belongs to the oak stage (Berindei and Pop, 1972). Tinca village includes: Tinca, Gurbediu, Râpa, Belfir and Girişu – Negru villages.

This paper is a synthesis of data regarding the spiders from Tinca area during October 2020 – October 2022, the results contributing to the completion of the information on spider diversity and distribution in the Romanian fauna. Data on the spider fauna in the Tinca area have not been published to date.

MATERIAL AND METHOD

During October 2020 – October 2022, there were identified the following species:

Class Arachnida

Order Araneae

Family Araneidae

Argiope bruennichi Scopoli, 1722

Araneus diadematus Clerck, 1757

Araneus circe Audouin, 1826

Araneus angulatus Clerck, 1757

Gibbaranea omoeda Thorell, 1879

Nuctenea umbratica Clerck, 1757

Zilla diodia Walckenaer, 1802

Larinioides ixobolus Thorell, 1873

Leviellus thorelli Ausserer, 1871

Family Phalangiidae

Opilio saxatilis Koch, 1839

Opilio parietinus De Geer, 1778

Family Liniphiidae

Tallusia vindobonensis Kulcznski, 1989

Microlinyphia pusilla Sundevall, 1830

Nerienne radiata Walckenaer, 1842

Nerienne clathrata Sundevall, 1830

Family Lycosidae

Lycosa singoriensis Laxmann, 1770

Trochosa terricola Thorell, 1856

Trochosa ruricola De Geer, 1778

Alopecosa pulverulenta Clerck, 1757

Pardosa agrestis Westring, 1861

Pardosa wagleri Hahn, 1822

Pardosa amentata Clerck, 1757

Pardosa monticola Clerck, 1757

Arctosa leopardus Sundevall, 1833

Hogna radiata Latreille, 1817

Family Philodromidae

Tibellus oblongus Walckenaer, 1802

Philodromus poecilus Thorell, 1872

Philodromus cespitum Walckenaer, 1802

Philodromus rufus Walckenaer, 1802

Thanatus vulgaris Thorell, 1870

Family Dictynidae

Dictyna civica Lucas, 1850

Dictyna uncinata Thorell, 1856
Brigittea latens Fabricius, 1775
Argyroneta aquatica Clerck, 1757
Family Theridiidae
Latrodectus mactans Fabricius, 1775
Parasteatoda tepidariorum Koch, 1841
Asagena phalerata Panzer, 1894
Enoplognatha thoracica Hahn, 1833
Steatoda albomaculata De Geer, 1778
Family Corinidae
Phrurolithus festivus Koch, 1835
Family Salticidae
Ballus chalybeius Walckenaer, 1802
Heliophanus cupreus Walckenaer, 1802
Phlegra fasciata Hahn, 1826
Pseudicius picaceus Simon, 1868
Family Anyphaenidae
Anyphaena accentuata Walckenaer, 1802
Family Amaurobiidae
Amaurobius ferox Walckenaer, 1830
Family Agelenidae
Tegenaria agrestis Walckenaer, 1802
Family Thomisidae
Misumena vatia Clerck, 1757
Synema globosum Fabricius, 1775
Xysticus bifasciatus Koch, 1837
Family Pholcidae
Pholcus phalangioides Fuesslin, 1775
Holocnemus pluchei Scopoli, 1763
Family Gnaphosidae
Drassodes lapidosus Walckenaer, 1802
Scotophaeus blackwalli Thorell, 1871
Family Miturgidae
Cheiracanthium mildei Koch, 1864
Zora spinimana Sundevall, 1833
Family Pisauridae
Pisaura mirabilis Clerck, 1757
Pisaura novicia Koch, 1878

Family Sparassidae

Micrommata virescens Clerck, 1757

There were identified 203 specimens, 59 species belonging to 18 families and 47 genera. The most represented families are Lycosidae – 10 species (16.94 %) and Araneidae – 9 species (15.25 %), followed by Theridiidae, Philodromidae – 5 species (8.47 %), Liniphiidae, Salticidae, Dictynidae – 4 species (6.77 %), Thomisidae – 3 species (5.08 %), Gnaphosidae, Pholcidae, Miturgidae, Pisauridae, Phalangidae – 2 species (3.38 %), Corinidae, Anyphaenidae, Amaurobiidae, Agelenidae and Sparassidae – 1 species (1.69 %).

In Romania, 973 species of spiders belonging to 34 families were reported (Weiss & Petrișor, 1999). The number of species identified in the Tinca area represents 6.06 % of the total species identified in Romania. From the point of view of species protection, no threatened species were identified. From the point of view of the phenology of the species, some changes were observed. Due to the positive temperatures, some even higher than normal for the period, recorded between December 2021 - February 2022, some species remained active in nature. Example: - *Leviellus thorelli* Ausserer, 1871 - one specimen, Tinca, December 20, 2021. According to araneae.nmbe.ch the activity period is August – September.

- *Pisaura novicia* Koch, 1878 - one specimen, Tinca, February 9, 2022. The activity period is April – October (araneae.nmbe.ch).
 - *Asagena phalerata* Panzer, 1894 - one specimen, Tinca, February 19, 2022. The activity period is May – October (araneae.nmbe.ch).

CONCLUSIONS

During October 2020 – October 2022, there were identified 59 species belonging to 18 families and 47 genera. Some phenological data unpublished in the scientific literature were obtained.

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Spiders from the Tinca area (photos by ILIE A. L.)



Araneus diadematus Clerck



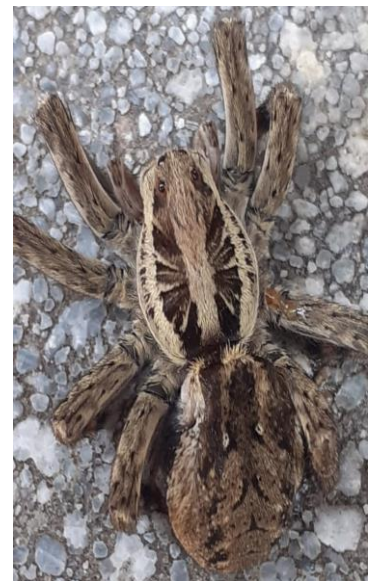
Misumena vatia Clerck



Phlegra fasciata Hahn



Parasteatoda tepidariorum Koch



Hogna radiata ,Latr