

LEPIDOPTERANS IN THE COLLECTION OF THE "LUCIAN BLAGA" UNIVERSITY IN SIBIU (NOTE 3)

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Abstract. The present paper is a continuation of the systematic list (Note 3) of the existing lepidopterans in the Collection of "Lucian Blaga" University. The presented collection is important due to the contribution to knowledge of the butterflies in Romania, in this way complementing the specialized literature with data about the fauna of great interest for natural heritage. In the Lepidoptera Collection of the University "Lucian Blaga" after the last inventory, there were found 1,195 specimens of which 660♂♂ and 357♀♀, belonging to 21 families, 334 genera, 560 species. This paper renders the list of those 137 species remaining unpublished, consisting of 297 specimens with the place of collecting of each specimen, altitude, the area names and the specification of the characteristic geographical regions in Romania. The incorporation into IUCN categories with the specification of the degree of endangerment is of great documentary value. The systematic list is updated according to the *Verzeichnis der Schmetterlinge Romäniens* (RÁKOSY et al., 2003).

Keywords: Lepidoptera, collection, species, conservation statute.

Rezumat. Lepidoptere din colecția Universității „Lucian Blaga” din Sibiu. Prezenta lucrare este o continuare a listei sistematice (Note 3) a lepidopterelor existente în cadrul Colecției Universității „Lucian Blaga” din Sibiu. Importanța materialului prezentat rezultă din contribuția sa la cunoașterea lepidopterelor din România, completând astfel literatura de specialitate cu datele faunistice de mare actualitate pentru valoarea patrimoniului natural. În colecția de lepidoptere a Universității „Lucian Blaga” din Sibiu, după ultima inventariere se găsesc 1195 exemplare din care 660♂♂ și 357♀♀, aparținând la 21 familii, 334 genuri, 560 specii. Prezenta lucrare redă lista celor 137 de specii rămase nepublicate, formată din 297 exemplare cu locul de colectare a fiecărui exemplar, altitudinea, denumirile zonei și încadrarea în regiunile geografice ale României. Încadrarea în categoriile IUCN cu specificarea gradului de pericolare sunt de o mare valoare documentară. Lista sistematică este actualizată conform *Catalogului lepidopterelor României* (RÁKOSY et al., 2003).

Cuvinte cheie: lepidoptere, colecție, specii, statutul de ocrotire.

INTRODUCTION

The macro biodiversity assessment of butterflies on regional and local levels has been and is an important objective in the entomological research (DZIEKANSKA & SIELEZNIEW, 2008; FRĄCKIEL, 1999; KOCH, 1991; MOISE, 2011a,b,c,d, 2014; MOISE & SAND, 2012; NICULESCU, 1961, 1963, 1965; NICULESCU & KÖNIG, 1970; STANCĂ-MOISE, 2003a,b,c; 2004, 2005a,b,c,d,e,f; 2006a,b; 2007a,b,c; 2010a,b, 2012, 2015a,d; VLAD-ANTONIE, 2000, 2004; VLAD-ANTONIE & CIOBANU, 2004; WINIARSKA, 2003).

The value of this scientific and documentary collections of Lepidoptera is given by the large number of existing species (560) belonging to 21 families. The scientific importance will increase in the future as the number of species of butterflies sharply decreases both nationally and globally because of climate change, pollution and destruction of natural habitats by human intervention in the ecosystems. Such scientific materials stored in the collections (CIOCHIA & BARBU, 1980; KÖNIG, 1975; MARCU & RAKOSY, 2002; NEMEȘ & VOICU, 1973; POPESCU-GORJ, 1964; SZÉKELY & CERNEA, 2007), in time, will become the only documentary evidence of the past unrecoverable of the biosphere, which it is increasingly threatened (STANCĂ-MOISE, 2015b,c). The publication of the material, which includes data on the species of butterflies collected in Romania since 1972 until 2000, constitutes a very valuable database accessible to specialists in Romania and abroad. The on line appearance of the data regarding the existing species representing 10.02% of the total of 5,586 species present in Romania, is a duty on holders of collections, as preserver of cultural and scientific values accumulated by mankind over centuries and millennia of existence.

MATERIALS AND METHOD

The lepidopterological material available in the collection was collected by the lepidopterologist Levente Szekely between 1972 and 2000 on the territory of Romania (SZÉKELY, 1994; 1995; 1996; 1999a, b; 2003a, b; 2006; 2008; 2010; 2011), but there are also species collected by him in Switzerland and Turkey. The first catalogue of the collection was drafted in 2000, with partial data (CIOCHIA & STANCĂ, 2000). The collecting was conducted using entomological net for Lepidoptera and daytime light source for the noctuid species. In the collection, there are registered all the data of collecting (day, month, year, genus, place of collecting, geographical data and altitude). The labels were exactly noted. The species of Lepidoptera were collected from different geographical areas of Romania, in the Danube Delta (6 m alt.), in Canaraua Fetei Natural Reserve, Letea Forest and the Mountain ranges (Bucegi, Făgăraș, Apuseni, Ciucaș, Perșiani, Bârsa) to altitudes of 2400 m.

RESULTS AND DISCUSSIONS

After the following inventory of all the material present in Lepidoptera Collection of "Lucian Blaga" University there are 1,195 specimens belonging to 21 families, 334 genera, 572 species of which 660♂♂ and 357♀♀.

The existing material of the collection comes from all parts of Romania: Babarunca (Săcele-Braşov), Babel (Bucegi, plateau 2,200 m alt.), Băneasa (Dobrogea, Constanța), Brănești (Bucharest), Canaraua Fetii (Natural Reserve in Constanța County), Caraiman (Bucegi), Rosetti (near Letea Reserve, Tulcea County), Calimănești (Vâlcea), Tisitei Gorge (Lepșa, Vrancea Mountains), Cupaș (Red Lake), Domogled (natural reserve, limestone massif 1,106 m alt., near Herculane), Greșu Vrancea (Tulnici), Hagieni (reserve, Hagieni Forest), Întregalde (Apuseni Mountains), Balea Lake (Făgăraș Mountains), Lacu Roșu (Harghita), Leorda (Botoșani), Lepșa (Vrancea Mountains), Maliuc (Danube Delta, Sulina branch), Malnaș Băi, Miercurea Niraj (Mureș), Bucegi Mountains (the Southern Carpathians), Mount Cocora (Bucegi), Red Mountain (Mountain Ciucaș), Hill Forest (Ilfov), Prejmer Forest (Braşov), Periprava (Delta, south of Chilia), Perșani (Perșani Mountains, Başov), Piatra Arsă (Bucegi), Piatra Mare (Bârsa Mountains, Braşov), Racoș (Braşov), Remetea (Mureș), Satu Mare, Săcele (Braşov, at the foot Bunloc), Sângiorgiu (Mureș), Saint Gheorghe (Covasna), Șipotele (Băneasa village, Constanța), Târlungeni (Braşov), Teliu, Timiș (Braşov), Timișul de Jos (Braşov), Timișul de Sus (Braşov), Targu Mureș, Tulbureni (Botoșani), Turda Tureni (Cluj), Uila orchard (Reghin, Mureș), Jepilor Valley (Bucegi), Cold Valley (Luduș), Vâlcele (Covasna), Dor Peak (Bucegi), Omu (Bucegi), Zărand, (Ciucaș Massif), Zizin (Braşov).

The existing species have been collected over the years from the highest altitude in Omu mountain peak, Bucegi, 2,400 m, 2♂♂, *Glacies coracina dioszeghyi* Schmidt, 1930, August 1, 1993, 2400 m alt., Piatra Arsă (Bucegi), July 31, 1993, 2,100 m alt., to the Danube Delta, at Canaraua Fetii, 6 m altitude, (RÁKOSY & SZEKELY 1996, 1993), the specimens of Lepidoptera collection representing a testimony of biodiversity in these areas (STANCĂ-MOISE, 2015b, 2015c).

Faunal and biogeographical value of the collection lies in the presence of rare species: 1♂, *Apatura ilia ilia* Denis & Schiffermüller, 1775, collected in Lauren Forest (Târgu Mureș), on June 13, 1972, 1♂, *Syntomis phegea orientalis* Daniel, 1951 Herculane Cerna Valley, collected on July 19, 1978.

In the collection, there are also present species caught in other countries, such as Switzerland: *Clossiana titania transsylvania* Tilscher, 1913, in West Les Dialerets collected on July 9, 1997, *Argynis ino ino* Rottenburg, 1775, Les Dialerets 1♂ West on July 10, 1997 and 1♀ West Gruyere, on July 4, 1997, *Cyaniris semiargus semiargus* (Rottenburg, 1775) 1♂, Schweiz West-Les Dialerets, July 9, 1997 (WEIDEMANN & KOHLER, 1996), and Turkey: *Aporia crataegi* Linnaeus, 1758 1♂ Province Aciri, 25 km, 2,000 m Sarican Tamir, June 26, 1995.

The historical value of the collection is highlighted by some rare species like: 1♀, *Parasemia plantaginis carpathica* Daniel, 1939 collected from Red Lake-valley of the brook, on July 27, 1978 (RAKOSY & SZÉKELY 1993, 1996) and some endemic species from Transylvania and Dobrogea: 1♂, *Erebia melas carpathicola* Popescu Gorj & Alexinschi 1959, Rodna Mountains, July 23, 1985, 3♂♂, *Zerynthia cerisy ferdinand* Stichel, 1907, Canaraua Fetii (DB), May 1, 1978, 24.V.1997, 150m alt., Șipotele (DB), May 21, 1994, 120 m altitude.

There were used the following abbreviations: **CR**- Critically endangered, it is estimated that the survival of these species in the next 10-20 years is unlikely if the factors that have caused this situation are not eliminated; after the analysis of the quantitative cost it resulted a decrease rate of the population with at least 50% in the last 10 years. **EN**-Endangered, endangered taxa when there is a critical stage of threat, shows high risk or threat of extinction in the immediate future; it is estimated a probability of about 20% extinction in the next 20 years. **VU**-Vulnerable, a taxon is vulnerable when it is not in the critical threat category or endangered, but have a high risk of extinction or critical threat in the near future, **NT**-Near threatened, **DD** -Data deficient, includes taxa not included in CR, EN or VU, but by worsening the degree of threat, it may be included in one or other of the three categories. This category largely replaces RL variant category IUCN 2000, (RÁKOSY, 2002, 2005).

IUCN RED LIST OF LEPIDOPTERA (INSECTA: LEPIDOPTERA), COLLECTION OF "LUCIAN BLAGA" UNIVERSITY

FAMILY HESPERIOIDEA (3406 RO, K. & R. 6875)

| | | | | | | |
|-----|---------|-----------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----|
| 424 | 3410 Ro | K. & R. 6879 | <i>Ergynnis tages tages</i> (Linnaeus, 1758) | 1♂, Bordești-Mureș, May 11, 1985 1♀, Zizin (Bv), September 11, 1997, 750 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 425 | 3412 Ro | K. & R. 6882 | <i>Carcharodus alceae</i> <i>alceae</i> Esper, 1780 | 1♂, Periprava (D.D), August 31, 1997, 6 m alt. | BT, CR, TR, MM, MT, MD; DB | |
| 426 | 3414 Ro | K. & R. 6885 | <i>Carcharodus floccifera</i> (Zeller, 1847) | 2♂♂, Canaraua Fetii (DB), May 30, 1990, Amara Lake (Slobozia), August 22, 2000 1♀, Canaraua Fetii (DB), June 12, 1998 | BT, CR, TR, OT, MT, MD; DB | VU |

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|-----------------------------------------------------|---------|-----------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----|--|
| 427 | 3424 Ro | K. & R. 6900 | <i>Pyrgus sidae sidae</i> (Esper, 1784) | 1♂, Canaraua Fetii (DB), 1-June 3, 1993, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | EN | |
| 428 | 3426 Ro | K. & R. 6902 | <i>Pyrgus cacaliae</i> (Rambur, 1839) | 1♂, Cocora (Bucegi Mountains), July 14, 1984 | TR, OT | EN | |
| 429 | 3427 Ro | K. & R. 6904 | <i>Pyrgus malvae malvae</i> (Linnaeus, 1758) | 1♂, Târlungerni (Bv.), June 14, 1997, 700 m alt. 1♀, Lepșa-Vrancea, 27 June 28, 1997 | BT, CR, TR, MM, OT, MT, MD; DB | | |
| 430 | 3429 Ro | K. & R. 6911 | <i>Pyrgus armoricanus</i> (Oberthur, 1910) | 1♂, Canaraua Fetii (DB), July 18, 1990, 150 m alt. | BT, CR, TR, MT, MD; DB | | |
| 431 | 3435 Ro | K. & R. 6919 | <i>Carterocephalus</i> <i>palaemon</i> (Pallas, 1771) | 1♂, Săcele (Bv.), May 27, 1995, 650 m alt. | BT, CR, TR, MM, OT, MT, MD | | |
| 432 | 3438 Ro | K. & R. 6923 | <i>Thymelicus lineola</i> (Ochsenheimer, 1808) | 1♂, Voiniceni-Mureș, June 25, 1981 | BT, CR, TR, MM, OT, MT, MD; DB | | |
| 433 | 3439 Ro | K. & R. 6924 | <i>Thymelicus sylvestris</i> (Poda, 1761) | 1♂, Lacul Roșu, July 26, 1978 | BT, CR, TR, MM, MT, MD; DB | NT | |
| 434 | 3444 Ro | K. & R. 6930 | <i>Ochlodes venatus faunus</i> (Turati, 1905) | 1♂, Băneasa (DB), June 12, 1998, 30 m alt. 1♀, Tișiței Gorge (Vrancei Mountains), August 3, 1996, 900 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | | |
| FAMILY PAPILIONOIDEA (3446 RO, K. & R. 6939) | | | | | | | |
| 435 | 3450 Ro | K. & R. 6945 | <i>Zerynthia polyxena</i> (Denis&Schiffermüller, 1775) | 2♂♂, Turda Tureni, May 1, 1978, May 10, 1981 | BT, CR, TR, MM, OT, MT, MD; DB | | |
| 436 | 3452 Ro | K. & R. 6947 | <i>Zerynthia cerisyi</i> <i>ferdinandi</i> Stichel, 1907 | 3♂♂, Canaraua Fetii (DB), May 1, 1978, May 24, 1997, 150 m alt., Șipotete (DB), May 21, 1994, 120 m alt. | DB | CR | |
| 437 | 3454 Ro | K. & R. 6953 | <i>Parnassius mnemosyne</i> <i>wagneri</i> Bryk, 1925 | 2♂♂, Canaraua Fetii (DB), May 24, 25, 1997, 150 m alt. 1♀, Canaraua Fetii (DB), May 26, 1997, 150 m alt. | OT, MT, MD; DB | NT | |
| 438 | 3458 Ro | K. & R. 6958 | <i>Iphiclides podalirius</i> <i>podalirius</i> (Linnaeus, 1758) | 1♂, Canaraua Fetii (DB), May 8, 1996, 150 m alt. 1♀, Canaraua Fetii (DB), May 18, 1998, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | VU | |
| 439 | 3460 Ro | K. & R. 6960 | <i>Papilio machaon</i> <i>machaon</i> , Linnaeus, 1758 | 2♂♂, Periprava (D.D.), September 1, 1997, 6 m alt., Săcele (Bv), June 10, 1978, 650 m alt. 1♀, Biczulului Gorge, August 7, 1981 | BT, CR, TR, MM, OT, MT, MD; DB | EN | |
| 440 | 3464 Ro | K. & R. 6966 | <i>Leptidea sinapis sinapis</i> (Linnaeus, 1758) | 1♂, Canaraua Fetii (DB), May 4, 1988, 150 m alt. 1♀, Vâlcele (Covasna), June 19, 1997, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | | |
| 441 | 3469 Ro | K. & R. 6973 | <i>Antchocaris cardamines</i> <i>meridionalis</i> Verity, 1908 | 2♂♂, Canaraua Fetii (DB), May 24, 1997, 150 m alt. 1♀, Remetea Mureș, May 15, 1983 | BT, CR, TR, MM, OT, MT, MD; DB | | |

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| 442 | 3472 Ro | K. & R. 6985 | <i>Euchloe ausonia f. gigantea</i> Caradja, 1931 | 1♂, Hagieni (DB), May 1, 1986 | DB | EN |
| 443 | 3474 Ro | K. & R. 6993 | <i>Aporia crataegi</i> Linnaeus, 1758 | 1♂, Turkey, Acri Province, 25 Km, Sarican 2000 m Tamir, June 26, 1995 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 444 | 3476 Ro | K. & R. 6995 | <i>Pieris brassicae brassicae</i> Linnaeus, 1758 | 1♀, Săcele (Bv), June 10, 1978, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | VU |
| 445 | 3478 Ro | K. & R. 6998 | <i>Pieris rapae rapae</i> Linnaeus, 1758 | 1♂, Pasărea Forest (B), July 25, 1998 1♀, Săcele (Bv), August 7, 1997, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 446 | 3480 Ro | K. & R. 7000 | <i>Pieris napi meridionalis</i> Heyne, 1895 | 5♂♂, Săcele (Bv), September 2, 1979, 650 m alt., Vâlcele (Covasna), May 12, 1999, June 17, 1999, 600 m alt, Teliu (Bv), May 1, 2000, ♂, Canaraua Fetii (DB), May 4, 1988, 150 m alt. 3♀♀, Tișiței Gorge -Lepșa (Vrancei Mountains), July 3, 1998, 900 m alt., Voiniceni (Mureș), June 9, 1981, Baisa (Botoșani), April 23, 1986 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 447 | 3481 Ro | K. & R. 7001 | <i>Pieris bryoniae</i> (Hübner, 1808) | 1♀, Jepilor Valley (Bucegi Mountains), July 25, 1991, 1800 m alt. | TR, MM, MT, MD | VU |
| 448 | 3482 Ro | K. & R. 7002 | <i>Pieris balcana</i> Lorkovic, 1790 | 2♂♂, Domogled (Herculane), July 21, 1978, Canaraua Fetii (DB), June 13, 1998, 150 m alt. | BT, TR, MT, DB | DD |
| 449 | 3484 Ro | K. & R. 7003 | <i>Pontia daplidice</i> auct. | 2♂♂, Hagieni (DB), August 12, 1980, Năvodari (DB), August 18-22, 2000 1♀, Canaraua Fetii (DB), May 23-26, 1997, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 450 | 3488 Ro | K. & R. 7014 | <i>Colias erate erate</i> (Esper, 1805) | 2♂♂, Periprava (D.D.), August 30, 1997, September 1, 1997, 6 m alt. 3♀♀, Tulbureni (Botoșani), May 14, 1966, Maliuc (DD), June 18, 1997, Periprava (DD), August 31, 1997, 6 m alt. | TR, MM, MT, MD; DB | VU |
| 451 | 3489 Ro | K. & R. 7015 | <i>Colias croceus</i> Fourcroy, 1785 | 2♂♂, Săcele (Bv), September 3, 1979, 650 m alt, Târlungeni (Bv), August 17, 1997, 700 m alt. 1♀, Târlungeni (Bv), August 17, 1997, 700 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 452 | 3492 Ro | K. & R. 7021 | <i>Colias hyale</i> (Linnaeus, 1758) | 2♂♂, Târlungeni (Bv), August 17, 1997, 700 m alt., Săcele (Bv), September 27, 1998, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |

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|-----|---------|-----------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------|----|
| | | | | 1 ♀, Săcele (Bv), September 1, 1990, 650 m alt. | | |
| 453 | 3493 Ro | K. & R. 7022 | <i>Colias australis</i> Verity, 1911 | 1 ♂, Tulbureni (Botoșani), June 14, 1986 | BT, CR, TR, MM, MT, MD; DB | NT |
| 454 | 3495 Ro | K. & R. 7024 | <i>Gonopteryx rhamni</i> <i>rhamni</i> (Linnaeus, 1758) | 2 ♂♂, Săcele (Bv), September 2, 1979, 650 m alt, Timiș (Bv), June 4, 1992 | BT, CR, TR, MM, OT, MT, MD; DB | |
| | | | | 1 ♀, Racoș (Bv), August 23, 1975 | | |
| | | | FAMILY LYCAENIDAE (3496 RO, K. & R. 7027) | | | |
| 455 | 3499 Ro | K. & R. 7030 | <i>Hamearis lucina</i> (Linnaeus, 1758) | 1 ♂, Tulbureni (Botoșani), May 7, 1986 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 456 | 3503 Ro | K. & R. 7035 | <i>Lycaena helle</i> (Denis & Schifferrmüller, 1775) | 1 ♂, Mujdeni (Satu Mare), May 3, 1996 | BT, TR, MM, OT, MT, MD | CR |
| 457 | 3508 Ro | K. & R. 7041 | <i>Lycaena hippothoe</i> <i>hippithoe</i> (Linnaeus, 1761) | 1 ♂, Bicazului Gorge (Cupaș Valley), July 20, 1985 | BT, CR, TR, MM, OT, MT, MD; DB | VU |
| 458 | 3510 Ro | K. & R. 7043 | <i>Lycaena thersamon</i> Esper, 1784 | 1 ♂, Miercurea Birajului (Mureș), July 24, 1982 | BT, CR, TR, MM, OT, MT, MD; DB | VU |
| 459 | 3514 Ro | K. & R. 7049 | <i>Neozephyrus quercus</i> <i>quercus</i> (Linnaeus, 1758) | 1 ♂, Pasărea Forest (Buc.), July 25, 1998 | BT, CR, TR, MM, OT, MT, MD; DB | VU |
| | | | | 1 ♀, Pasărea Forest (Buc.), July 24, 1998 | | |
| 460 | 3518 Ro | K. & R. 7058 | <i>Callophrys rubi</i> (Linnaeus, 1758) | 1 ♂, Voiniceni-Mureș, June 7, 1984 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 461 | 3521 Ro | K. & R. 7063 | <i>Satyrium pruni</i> (Linnaeus, 1758) | 1 ♂, Rediu Forest (Botoșani), May 23, 1994 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| | | | | 1 ♀, Voiniceni-Mureș, June 5, 1982 | | |
| 462 | 3522 Ro | K. & R. 7064 | <i>Satyrium spini</i> (Denis & Schifferrmüller, 1775) | 2 ♂♂, Corunca Mureș, June 28, 1982, Voiniceni (Mureș), June 25, 1981 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 463 | 3524 Ro | K. & R. 7067 | <i>Satyrium acaciae</i> (Fabricius, 1787) | 1 ♂, Canaraua Fetii (DB), June 13, 1998, 150 m alt. | BT, CR, TR, MM, OT, MD; DB | VU |
| | | | | 1 ♀, Canaraua Fetii (DB), June 13, 1998, 150 m alt. | | |
| 464 | 3533 Ro | K. & R. 7088 | <i>Cupido minimus minimus</i> Fuessly, 1775 | 1 ♂, Târlungeni (Bv), June 30, 1996, 650 m alt. | BT, CR, TR, MM, MD; DB | NT |
| | | | | 1 ♀, Canaraua Fetii (DB), May 23-29, 1991, 150 m alt. | | |
| 465 | 3534 Ro | K. & R. 7089 | <i>Cupido osiris</i> Meigen, 1829 | 1 ♂, Târlungeni (Bv), July 17, 1996, 650 m alt. | TR, MD; DB | VU |
| 466 | 3536 Ro | K. & R. 7093 | <i>Everes argiades</i> (Pallas, 1771) | 2 ♂♂, Frumușica (Botoșani), April 23, 1989, Voiniceni (Mureș), July 17, 1985 | BT, CR, TR, MM, OT, MD; DB | |
| 467 | 3537 Ro | K. & R. 7094 | <i>Everes decolorata</i> Staudinger, 1886 | 1 ♂, Voiniceni-Mureș, July 17, 1985 | BT, CR, TR, MM, MD; DB | VU |

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|-----|---------|-----------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----|
| 468 | 3540 Ro | K. & R. 7097 | <i>Celastrina argiolus</i> (Linnaeus, 1758) | 2♂♂, Băneasa (DB), May 13, 1998, 90 m alt., Târlungeni (Bv), June 26, 2000, 700 m alt. 1♀, Tișiței Gorge (Vrancei Mountains), August 2, 1997, 900 m alt. | BT, CR, TR, MM, OT, MD; DB | |
| 469 | 3545 Ro | K. & R. 7105 | <i>Scolitantides orion</i> Pallas, 1771 | 1♂, Tișiței Gorge (Vrancei Mountains), July 2, 1997, 900 m alt. 1♀, Canaraua Fetii (DB), May 23-24, 1997, 150 m alt. | BT, CR, TR, OT, MT, MD; DB | NT |
| 470 | 3547 Ro | K. & R. 7107 | <i>Glaucopsyche alexis</i> (Poda, 1761) | 1♂, Canaraua Fetii (DB), May 23, 1981, 150 m alt. | BT, CR, TR, MM, OT, MD; DB | |
| 471 | 3551 Ro | K. & R. 7112 | <i>Maculinea arion</i> (Linnaeus, 1758) | 1♂, Tișiței Gorge (Vrancei Mountains), July 2, 1997, 900 m alt. 1♀, Bicazului Gorge (Neamț), August 13, 1982 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 472 | 3554 Ro | K. & R. 7115 | <i>Maculinea alcon</i> (Denis & Schiffermüller, 1775) | 2♂♂, Târlungeni (Bv), June 27, 28, 1998, 700 m alt. 1♀, Târlungeni, June 2, 1998, 650 m alt. | BT, CR, TR, MM, OT, MD | EN |
| 473 | 3560 Ro | K. & R. 7127 | <i>Plebejus argus argus</i> (Linnaeus, 1758) | 4♂♂, Canaraua Fetii (DB), May 23, 25, 1997, 150 m alt., Șercaia (Vad Forest, Bv), June 9, 2000, Târlungeni (Bv), May 28, 2000 2♀♀, Canaraua Fetii (DB), May 24, 1997, 150 m alt., Săcele (Bv), June 3, 2000, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 474 | 3562 Ro | K. & R. 7129 | <i>Plebejus argyrognomon</i> (Bergstrasser, 1779) | 1♂, Târlungeni (Bv), June 23, 1996, 650 m alt. 1♀, Târlungeni (Bv), June 14, 1997, 650 m alt. | BT, CR, TR, MM, MT, MD; DB | |
| 475 | 3567 Ro | K. & R. 7145 | <i>Aricia agestis agestis</i> (Denis & Schiffermüller, 1775) | 1♂, Săcele (Bv), August 29, 1996, 650 m alt. 1♀, Pasărea Forest (București), August 25, 1998 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 476 | 3573 Ro | K. & R. 7152 | <i>Cyaniris semiargus</i> <i>semiargus</i> (Rottemburg, 1775) | 1♂, Schweiz West-Les Dialerets, July 9, 1997 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 477 | 3577 Ro | K. & R. 7162 | <i>Polyommatus thersites</i> (Cantener, 1835) | 1♂, Târlungeni (Bv), July 3, 1998, 650 m alt. 1♀, Târlungeni (Bv), July 28, 1998, 650 m alt. | BT, CR, TR, OT, MT, MD; DB | |
| 478 | 3578 Ro | K. & R. 7163 | <i>Polyommatus icarus</i> (Rottemburg, 1775) | 2♂♂, Prejmer Forest (Bv), June 9, 1996, Canaraua Fetii (DB), May 25, 1997, 150 m alt. 1♀, Hagieni (DB), October 3, 1981 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 479 | 3580 Ro | K. & R. 7171 | <i>Meleageria daphnis</i> (Denis & Schiffermüller, 1775) | 2♂♂, Hagieni (DB), July 22, 1981, Hagieni (DB), July 3, 1982 | BT, CR, TR, OT, MT, MD; DB | NT |

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| | | | | 2♀♀, Moiniceni (Mureș), June 25, 1981, Hagieni Forest, August 17-18, 2000, 40 m alt. | | |
| 480 | 3581 Ro | K. & R. 7172 | <i>Meleageria bellargus</i> (Rottemburg, 1775) | 1♂, Canaraua Fetii (DB), 23-May 26, 1997, 150 m alt. | BT, CR, TR, OT, MT, MD; DB | NT |
| 481 | 3582 Ro | K. & R. 7173 | <i>Meleageria coridon coridon</i> (Poda, 1761) | 1♀, Canaraua Fetii (DB), June 3, 1995, 150 m alt. 1♂, Periprava (DD), September 9, 1996, 6 m alt. 1♀, Periprava (DD), September 7, 1996, 6 m alt. | BT, CR, TR, OT, MT, MD; DB | NT |
| FAMILY NYMPHALIDAE (3587 RO, K. & R. 7196) | | | | | | |
| 482 | 3593 Ro | K. & R. 7202 | <i>Argynnis paphia paphia</i> (Linnaeus, 1758) | 1♂, Greșu (Vrancea), July 3, 1997, 800 m alt. 1♀, Lacul Roșu, August 9, 1985 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 483 | 3594 Ro | K. & R. 7203 | <i>Argynnis pandora</i> (Denis & Schiffermüller, 1775) | 1♂, Canaraua Fetii (DB), May 23-24, 1997, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | VU |
| 484 | 3595 Ro | K. & R. 7207 | <i>Argynnis aglaja</i> (Linnaeus, 1758) | 1♂, Tișitei Gorge (Vrancei Mountains), June 27, 1997, 900 m alt. 1♀, Tișitei Gorge (Vrancei Mountains), June 28, 1997, 900 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 485 | 3596 Ro | K. & R. 7205 | <i>Argynnis adippe</i> (Denis & Schiffermüller, 1775) | 1♂, Bicăzului Gorge (Harghita), August 5, 1996, 1100 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 486 | 3597 Ro | K. & R. 7206 | <i>Argynnis niobe niobe</i> (Linnaeus, 1758) | 1♂, Greșu (Vrancea), July 3, 1997, 800 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 487 | 3600 Ro | K. & R. 7210 | <i>Issoria lathonia</i> (Linnaeus, 1758) | 1♂, Tișitei Gorge (Vrancei Mountains), June 2, 1997, 900 m alt. 1♀, Canaraua Fetii (DB), May 14, 1997, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 488 | 3602 Ro | K. & R. 7213 | <i>Brenthis ino</i> (Rottemburg, 1775) | 2♂♂, West-Les-Dialerets (Switzerland), July 10, 1997, Șercaia (Vad Forest), June 10, 2000 1♀, West Gruyere (Elveția), July 4, 1997 | BT, CR, TR, MM, OT, MT, MD; DB | VU |
| 489 | 3603 Ro | K. & R. 7214 | <i>Brenthis daphne</i> (Denis & Schiffermüller, 1775) | 1♂, Băneasa (DB), June 13, 1998, 90 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | VU |
| 490 | 3607 Ro | K. & R. 7220 | <i>Clossiana euphrosyne</i> (Linnaeus, 1758) | 1♂, Târlungeni (Bv), August 17, 1997, 700 m alt. 1♀, Târlungeni (Bv), August 2, 1998, 700 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | VU |
| 491 | 3608 Ro | K. & R. 7221 | <i>Clossiana titania transsylvanica</i> Tilscher, 1913 | 1♂, West-Les-Dialerets (Switzerland), Juny 9, 1997 | TR | CR |

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|-----|---------|-----------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----|
| 492 | 3609 Ro | K. & R. 7222 | <i>Clossiana selene</i> (Denis & Schiffermüller, 1775) | 1♂, Tișiței Gorge (Vrancei Mountains), July 3, 1997, 900 m alt. 1♀, Tișiței Gorge (Vrancei Mountains), July 3, 1997, 900 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 493 | 3610 Ro | K. & R. 7228 | <i>Clossiana dia dia</i> (Linnaeus, 1767) | 1♂, Târlungeni (Bv), June 30, 1996, 700 m alt. 1♀, Voiniceni (Mureș), August 18, 1985 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 494 | 3612 Ro | K. & R. 7235 | <i>Boloria pales carpathomeridionalis</i> Crosson & Popescu Gorj, 1963 | 2♂♂, Babele (Bucegi Mountains), August 11, 1981 1♀, Vârful cu dor (Bucegi Mountains), August 28, 1998 | TR, OT, MT | VU |
| 495 | 3616 Ro | K. & R. 7243 | <i>Vanessa atalanta</i> (Linnaeus, 1758) | 1♂, Zizin (Bv), September 14, 1997, 750 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 496 | 3619 Ro | K. & R. 7248 | <i>Inachis io</i> (Linnaeus, 1758) | 2♂♂, Săcele (Bv), April 15, 1997, 650 m alt., Târlungeni (Bv), July 1, 2000, 700 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 497 | 3621 Ro | K. & R. 7250 | <i>Aglais urticae</i> (Linnaeus, 1758) | 1♂, Sfântu Gheorghe (Covasna), July 30, 1979 1♀, Brănești (București), July 24, 1998 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 498 | 3623 Ro | K. & R. 7252 | <i>Polygonia c-album</i> (Linnaeus, 1758) | 2♂♂, Tișiței Gorge (Vrancei Mountains), July 2,3, 1997, 900 m 1♀, Canaraua Fetii (DB), June 13-14, 1997, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 499 | 3626 Ro | K. & R. 7255 | <i>Araschnia levana</i> (Linnaeus, 1758) | 2♂♂, Frumușica (Botoșani), May 12, 1989, Canaraua Fetii (DB), May 1-2, 1998, 150 m alt. 2♀♀, Canaraua Fetii (DB), 1-June 13, 1998, 150 m alt., Băneasa (DB), June 13, 1998 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 500 | 3628 Ro | K. & R. 7257 | <i>Nymphalis antiopa</i> (Linnaeus, 1758) | 1♂, Bicazului Gorge, August 11, 1985, 1100 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | VU |
| 501 | 3633 Ro | K. & R. 7266 | <i>Euphydryas maturna</i> (Linnaeus, 1758) | 3♂♂, Rediu (Botoșani), May 23, 1994, Canaraua Fetii (DB), June 4, 1995, 150 m alt., Săcășeni (Satu Mare), 12.V.1990 | BT, CR, TR, MM, OT, MT, MD | VU |
| 502 | 3636 Ro | K. & R. 7270 | <i>Melitaea cinxia cinxia</i> (Linnaeus, 1758) | 1♂, Canaraua Fetii (DB), June 26, 1997, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 503 | 3637 Ro | K. & R. 7271 | <i>Melitaea phoebe</i> (Denis & Schiffermüller, 1775) | 2♂♂, Canaraua Fetii (DB), May 23, 1997, May 23-26, 1997, 150 m alt. 1♀, Domogled (Herculane), July 18, 1978 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 504 | 3640 Ro | K. & R. | <i>Melitaea trivia trivia</i> | 1♂, Canaraua Fetii (DB), | BT, CR, TR, | NT |

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| | | 7274 | (Denis & Schiffermüller, 1775) | June 13, 1998, 150 m alt. | MM, OT, MT, MD; DB | |
| 505 | 3645 Ro | K. & R. 7283 | <i>Melitaea athalia athalia</i> (Rottemburg, 1775) | 2♂♂, Tișiței Gorge (Vrancei Mountains), July 2,3, 1997, 900 m alt., Șercaia (Vad Forest), June 11, 2000 1♀, Tișiței Gorge (Vrancei Mountains), August 3, 1998, 900 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 506 | 3648 Ro | K. & R. 7286 | <i>Limenitis populi</i> (Linnaeus, 1758) | 3♂♂, Vâlcele (Covasna), June 17,19, 1997, 650 m alt., Cheile Tișiței (Vrancei Mountains), June 29-30, 1997, 900 m | BT, CR, TR, MM, OT, MT, MD | VU |
| 507 | 3653 Ro | K. & R. 7291 | <i>Neptis rivularis</i> (Scopoli, 1763) | 3♂♂, Tișiței Gorge (Vrancei Mountains), July 2, 3, 1997, 900 m alt., Târlungeni (Bv), June 28, 1998, 700 m alt. 3♀♀, Tișiței Gorge (Vrancei Mountains), July 2, 1997, 900 m alt., Târlungeni (Bv), June 28, 1998, 700 m alt., Lepșa (Vrancei Mountains), July 1-2, 1997, 800 m alt. | BT, CR, TR, MM, MT, MD; DB | NT |
| 508 | 3657 Ro | K. & R. 7298 | <i>Apatura ilia ilia</i> (Denis & Schiffermüller, 1775) | 1♂, Lăureni Forest (Tg. Mureș), June 13, 1972 | BT, CR, TR, MM, OT, MT, MD | VU |
| 509 | 3658 Ro | K. & R. 7299 | <i>Apatura iris</i> (Linnaeus, 1758) | 1♂, Pietra Mare, June 2, 1990, 800-900 m alt. | BT, TR, MM, OT, MT, MD | VU |
| 510 | 3665 Ro | K. & R. 7307 | <i>Pararge aegeria</i> (Linnaeus, 1758) | 1♂, Târgu Mureș, May 16, 1985 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 511 | 3367 Ro | K. & R. 7309 | <i>Pararge megera megera</i> (Linnaeus, 1758) | 2♂♂, Canaraua Fetii (DB), May 24, 1997, 150 m alt., Târlungeni (Bv), May 28, 2000, 700 m alt. 1♀, Canaraua Fetii (DB), May 24, 1997, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 512 | 3368 Ro | K. & R. 7312 | <i>Pararge maera maera</i> (Linnaeus, 1758) | 2♂♂, Tureni-Turda, May 11, 1981, Săcele (Bv.), July 3, 1978, 650 m alt. 1♀, Canaraua Fetii (DB), May 24, 1997, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 513 | 3670 Ro | K. & R. 7315 | <i>Lopinga achine achine</i> (Scopoli, 1763) | 2♂♂, Horogeni (Satu Mare), June 19, 1997, 250 m alt. 1♀, Horogeni (Satu Mare), June 14, 1997, 250 m alt. | BT, CR, TR, MM, OT, MT, MD | VU |
| 514 | 3674 Ro | K. & R. 7325 | <i>Caenonympha arcania</i> (Linnaeus, 1761) | 1♂, Tișiței Gorge (Vrancei Mountains), July 3, 1997, 900 m alt. 1♀, Racoș (Bv), September 2, 1990 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 515 | 3675 Ro | K. & R. 7326 | <i>Caenonympha glycerion</i> <i>glycerion</i> Borkhausen, | 2♂♂, Vâlcele (Covasna), May 19, 1997, Șercaia | BT, CR, TR, MM, OT, | NT |

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| | | | 1788 | (Vad Forest, Bv), June 11, 2000 | MT, MD; DB | |
| 516 | 3677 Ro | K. & R. 7334 | <i>Caenonympha pamphilus</i> (Linnaeus, 1758) | 1♂, Băneasa (DB), June 12, 1998 1♀, Hagieni (DB), October 7, 1985 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 517 | 3682 Ro | K. & R. 7344 | <i>Aphantopus hyperantus</i> (Linnaeus, 1758) | 1♂, Săcele (Bv), July 8, 1998, 650 m alt. 1♀, Săcele (Bv), July 8, 1998, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 518 | 3684 Ro | K. & R. 7350 | <i>Maniola jurtina jurtina</i> (Linnaeus, 1758) | 2♂♂, Târlungeni (Bv), July 27, 1998, Periprava (DD), July 6, 1996, 6 m alt. 1♀, Băneasa (DB), June 13, 1998, 90 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 519 | 3687 Ro | K. & R. 7354 | <i>Hyponephele lupines lupines</i> (Costa, 1836) | 1♂, Letea Forest (DD), July 19, 1997 | OT, MT, DB | CR |
| 520 | 3689 Ro | K. & R. 7360 | <i>Erebia ligea carthusianorum</i> Fruhstorfer, 1909 | 1♂, Lepșa (Vrancea), July 3, 1998, 900 m alt. | BT, CR, TR, MM, OT, MT, MD | NT |
| 521 | 3690 Ro | K. & R. 7361 | <i>Erebia euryale</i> (Esper, 1805) | 1♂, Piatra Arsă (Bucegi Mountains), May 21, 1993, 2100 m alt. 1♀, Craiului Stone (Bucegi Mountains), August 24, 1995, 1600 m alt. | BT, CR, TR, MM, OT, MT, MD | NT |
| 522 | 3691 Ro | K. & R. 7363 | <i>Erebia manto trajanus</i> Hurmuzachi, 1895 | 1♀, Jepilor Valley (Bucegi Mountains), August 11, 1994, 1800 m alt. | BT, TR, MM, OT, MT, MD | VU |
| 523 | 3692 Ro | K. & R. 7366 | <i>Erebia epiphron transsylvanica</i> Rebel, 1908 | 1♂, Babele (Bucegi Mountains), August 11, 1984 1♀, Zăgan Mountain (Ciucaș Mountains), July 20, 1993, 1700 m alt. | BT, TR, MM, OT, MT, MD | NT |
| 524 | 3695 Ro | K. & R. 7372 | <i>Erebia aethiops aethiops</i> (Esper, 1777) | 1♂, Bicazului Gorge, July 2, 1996, 1100 m alt. 1♀, Întregalde (Apuseni Mountains), July 27, 1997 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 525 | 3696 Ro | K. & R. 7379 | <i>Erebia medusa bigobanna</i> (Fruhstorfer, 1917) | 1♂, Șercaia (Vad Forest, Bv), June 9, 2000 | BT, TR, OT, MT, MD | NT |
| 526 | 3697 Ro | K. & R. 7384 | <i>Erebia gorge fridericikoenigi</i> Varga, 1999 | 1♂, Bâlea Lake (Făgăraș Mountains), July 29, 1994, 2200 m alt. | BT, TR, OT, MT, MD | NT |
| 527 | 3699 Ro | K. & R. 7396 | <i>Erebia pronoe regalis</i> Hormuzachi, 1937 | 1♂, Caraiman (Bucegi Mountains), August 1, 1990, 2100 m alt. | TR, MT | NT |
| 528 | 3701 Ro | K. & R. 7404 | <i>Erebia melas carpathicola</i> Popescu Gorj & Alexinschi, 1959 | 1♂, Rodnei Mountains, July 23, 1985 | TR | VU |
| 529 | 3704 Ro | K. & R. 7415 | <i>Melanargia galathea</i> (Linnaeus, 1758) | 1♂, Târlungeni (Bv), June 30, 1996, 650 m alt. 1♀, Târlungeni (Bv), June 30, 1996, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 530 | 3706 Ro | K. & R. 7427 | <i>Minois dryas</i> (Scopoli, 1763) | 2♂♂, Periprava (DD), July 6, 1996, 6 m alt., Șercaia (Vad Forest), July 27, 2000 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 531 | 3712 Ro | K. & R. | <i>Hipparchia statilinus</i> | 1♂, Hagieni (DB), August | BT, OT, DB | VU |

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| | | | 7441 | Hufnagel, 1766 | 19, 1983 1♀, Hagieni (DB), August 12, 1980 | | |
| | | | | FAMILY ARCTIIDAE (5498 RO, K. & R. 10461) | | | |
| 532 | 5505 Ro | K. & R. 10475 | | <i>Miltocrista miniata</i> Forster, 1771 | 3♂♂, Tișiței Gorge (Vrancei Mountains), August 3, 1997, August 2, 1997, 900 m alt., Brănești (Buc.), May 3, 1998 1♀, Tișiței Gorge (Vrancei Mountains), August 27-28, 1997, 900 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 533 | 5509 Ro | K. & R. 10479 | | <i>Pelosia muscerda</i> Hufnagel, 1766 | 3♂♂, Pasărea Forest (Buc.), May 30, August 7, 1998, Canaraua Fetii (DB), June 13, 1998, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 534 | 5512 Ro | K. & R. 10483 | | <i>Atolmis rubricollis</i> Linnaeus, 1758 | 1♂, Lepșa-Vrancea, 1-2 July, 1998, 800 m alt. 1♀, Săcele (Bv.), June 5, 1996, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 535 | 5513 Ro | K. & R. 10485 | | <i>Lithosia quadra</i> Linnaeus, 1758 | 2♂♂, Tișiței Gorge (Vrancei Mountains), July 3, 1997, 900 m alt., Hagieni (DB), August 17-18, 2000 2♀♀, Hagieni (DB), September 16, 1984, Cheile Tișiței (Vrancei Mountains), July 9, 1999, 800 m alt | BT, CR, TR, MM, OT, MT, MD; DB | |
| 536 | 5516 Ro | K. & R. 10487 | | <i>Eilema deplana</i> Esper, 1787, nec. Linnaeus, 1771 | 2♂♂, Tișiței Gorge (Vrancei Mountains), May 4, 1990, 900 m alt., Șercaia (Vad Forest), July 27, 2000 1♀, Săcele (Bv.), July 10, 1984, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 537 | 5518 Ro | K. & R. 10489 | | <i>Eilema lurideola</i> Zincken, 1817 | 2♂♂, Tișiței Gorge (Vrancei Mountains), July 3, 1998, 900 m alt., July 10, 1999, 800 m alt. 1♀, Mihai Bravu Forest (Buc.), July 21, 1997 | BT, CR, TR, MM, MT, MD | |
| 538 | 5519 Ro | K. & R. 1049 | | <i>Eilema complana</i> Linnaeus, 1758 (sin. <i>E. balcanica</i> Daniel, 1939) | 2♂♂, Brănești (Buc.), August 1, 1997, July 9, 1997 2♀♀, Pasărea Forest (Buc.), July 21, 1997, Hagieni, July 21, 1981 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 539 | 5522 Ro | K. & R. 10494 | | <i>Eilema palliatela</i> Scopoli, 1763 | 2♂♂, Canaraua Fetii (DB), June 12, 1998, 150 m alt., Hagieni (DB), October 4, 1998 1♀, Pasărea Forest (Buc.), August 7, 1998 | BT, CR, TR, OT, MT, MD; DB | NT |
| 540 | 5525 Ro | K. & R. 10499 | | <i>Eilema sororcula</i> Hufnagel, 1766 (sin. <i>E. aureola</i> Hübner, [1803]) | 2♂♂, Canaraua Fetii (DB), May 2-4, 1998, 150 m alt. 1♀, Canaraua Fetii (DB), May 1, 1998, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |

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| 541 | 5527 Ro | K. & R. 10509 | <i>Setina irrorella</i> Linnaeus, 1758 | 1♂, Lacu Roșu-Cupaș, August 11, 1981 | BT, CR, TR, OT, MT, MD | |
| FAMILY SYNTOMINAE (5529 RO, K. & R. 10515) | | | | | | |
| 542 | 5531 Ro | K. & R. 10517 | <i>Amata phegea</i> Linnaeus, 1758 | 1♂, Herculane (Cerna Valley), July 19, 1978 1♀, Canaraua Fetii (DB), June 26, 1993, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 543 | 5534 Ro | K. & R. 10521 | <i>Dysauxes ancilla</i> Linnaeus, 1758 | 1♂, Hagieni (DB), August 7, 1980 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 544 | 5535 Ro | K. & R. 10522 | <i>Dysauxes famula pontica</i> Friese, 1959 | 2♂♂, Hagieni (DB), Canaraua Fetii (DB), June 13-14, 1997, 150 m alt. | BT, TR, OT, MD; DB | |
| 545 | 5539 Ro | K. & R. 10526 | <i>Spiris striata</i> Linnaeus, 1758 | 1♂, Canaraua Fetii (DB), June 13, 1997, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 546 | 5547 Ro | K. & R. 10545 | <i>Chelis maculosa mannerheimii</i> Duponchel, 1836 | 2♂♂, Canaraua Fetii (DB), June 3, 1995, May 26, 1997, 150 m alt. | BT, CR, TR, MM, MD; DB | VU |
| 547 | 5551 Ro | K. & R. 10552 | <i>Phragmatobia fuliginosa</i> Linnaeus, 1758 | 1♂, Periprava (D.D.), September 7, 1997, 6 m alt. 3♀♀, Pasărea Forest (Buc.), July 21, 1997, Periprava (D.D.), August 30, 1997, 6 m alt., Canaraua Fetii (DB), June 13, 1998 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 548 | 5554 Ro | K. & R. 10557 | <i>Parasemia plantaginis</i> Linnaeus, 1758 | 3♂♂, Jepilor Valley (Bucegi Mountains), August 1, 1993, 1700 m alt, ♂♂, Cheile Tișitei (Vrancei Mountains), June 27, 29, 1997, 900 m alt. 1♀, Lacul Roșu-Cupaș, July 27, 1978 | BT, CR, TR, MM, OT, MT, MD | |
| 549 | 5558 Ro | K. & R. 10566 | <i>Spilosoma lutea</i> Hufnagel, 1766 | 2♂♂, Racoș (Bv.), June 20, 1997, 500 m alt., Canaraua Fetii (DB), May 2, 1988, 150 m alt. 1♀, Lepșa-Vrancea, 1- July 2, 1997, 800 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 550 | 5559 Ro | K. & R. 10567 | <i>Spilosoma lubricipeda</i> Linnaeus, 1758 (sin. menthastri Denis&Schiffermüller, 1775) | 3♂♂, Săcele (Bv.), June 24, 1997, 650 m alt., Maliuc (D.D), July 18, 1997, Periprava (D.D.), August 30, 1997, 6 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 551 | 5560 Ro | K. & R. 10568 | <i>Spilosoma urticae</i> Esper, 1789 | 1♂, Periprava (D.D.), July 7, 1996, 6 m alt. 1♀, Brănești (Buc.), August 9, 1997 | BT, CR, TR, MM, OT, MT, MD; DB | NT |
| 552 | 5562 Ro | K. & R. 10570 | <i>Hyphantria cunea</i> Drury, 1773 | 7♂♂, Frumușica (Bot.), April 22, May 6, 1989, Canaraua Fetii (DB), 2.V. (2 copies), May 4, 1998, June 12, 1998, 150 m alt., Rediu (Botoșani), June 8, 1987 | BT, CR, TR, MM, OT, MT, MD; DB | |

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| 553 | 5564 Ro | K. & R. 10572 | <i>Diaphora mendica</i> Clerck, 1759 | 3♂♂, Canaraua Fetii (DB), May 1,2,4, 1998, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 554 | 5568 Ro | K. & R. 10579 | <i>Rhyparia purpurata</i> Linnaeus, 1758 (.) (sin. <i>R. purpurea</i> Linnaeus, 1758) | 2♂♂, Canaraua Fetii (DB), June 13, 1998, 150 m alt. | BT, CR, TR, MM, MT, MD; DB | |
| 555 | 5570 Ro | K. & R. 10582 | <i>Rhyparioides metelkana</i> Lederer, 1816 | 1♂, C.A.Rosetti (D.D), July 20, 1987, 6 m alt. | BT, DB | EN |
| 556 | 5572 Ro | K. & R. 10583 | <i>Diacrisia sannio</i> Linnaeus, 1758 (sin. <i>D. russula</i> Linnaeus, 1758, <i>D.</i> <i>vulpinaria</i> Linnaeus, 1758) | 1♂, Canaraua Fetii (DB), May 3-4, 1988, 150 m alt. 1♀, Săcele (Bv.), July 2, 1978, 650 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 557 | 5578 Ro | K. & R. 10598 | <i>Arctia caja</i> Linnaeus, 1758 | 2♂♂, Hagieni (DB), August 13, 1994, Canaraua Fetii (DB), July 28, 1990 | BT, CR, TR, MM, OT, MT, MD; DB | |
| 558 | 5579 Ro | K. & R. 10600 | <i>Arctia vilica</i> Linnaeus, 1758 | 3♂♂, Canaraua Fetii (DB), June 1, 1981, June 13,14, 1998, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 559 | 5580 Ro | K. & R. 10601 | <i>Arctia festiva</i> Hufnagel, 1766 | 2♂♂, Canaraua Fetii (DB), May 1,4, 1988, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |
| 560 | 5584 Ro | K. & R. 10605 | <i>Euplagia</i> <i>quadripunctaria</i> Poda, 1761 | 1♂, Rediu (Botoșani), August 15, 1988 2♀♀, Canaraua Fetii (DB), July 28, 1990, August 10- 20, 1993, 150 m alt. | BT, CR, TR, MM, OT, MT, MD; DB | |

CONCLUSIONS

This paper together with others (Note 1 and Note 2) contributes to the study of Lepidoptera fauna present in Romania in the past. The collections of the entomological material gathered during 1972-2000 from across the country and the presented species are found in the Lepidoptera Collection of "Lucian Blaga" University.

The collection includes 1,195 specimens and 560 species belonging to the following families: Lasiocampidae (10 species), Saturniidae (3 species), Lemoniidae (1 species), Sphingidae (14 species), Thyatirinae (6 species), Drepanidae (6 species), Geometridae (172 species), Pygaerinae (36 species), Herminiinae (11 species), Acontiinae (10 species), Psaphidininae (5 species), Stiriinae (44 species), Hadeninae (58 species), Noctuidae (37 species), Lymantriidae (9 species), Hesperioidea (11 species), Papilionoidea (20 species), Lycaenidae (27 species), Nymphalidae (50 species), Arctiidae (10 species), Syntominiinae (19 species).

The systematic classification of Lepidoptera species is updated according to *Verzeichnis der Schmetterlinge Romäniens*; the documentary value results from the presentation of the geographical areas where these species were collected from and the most valuable aspect is the specification of the IUCN degree of endangerment of each species. Through its scientific value Lepidoptera Collection of the University "Lucian Blaga" is available on line and available to those interested in the valuable documentary material that can be used for systematic, faunistic and zoogeographic studies.

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