Sargetia, Acta Mus. Ser. Sci. Nat. Deva	Vol. XIX - 2002	pp. 177 - 221

DATA CONCERNING THE MACROLEPIDOPTERA FAUNA (S.ORD. HETEROCERA, S.ORD. RHOPALOCERA) FROM THE SEBEŞ VALLEY (ROMANIA, ALBA COUNTY)

SILVIA BURNAZ

Rezumat

Date privind fauna de macrolepidoptere (S.ord. Heterocera, S.ord. Rhopalocera) din Valea Sebeşului (România, judeţul Alba)

Pe baza observaţiilor şi colectărilor de teren efectuate în două staţiuni reprezentative din Valea Sebeşului (Cheile Lazului şi Defileul Şugag-Tău Bistra) au fost înregistrate în total 494 specii de macrolepidoptere aparţinând la 18 familii. 386 specii au fost identificate în staţiunea Laz şi 377 specii în staţiunea Şugag-Tău Bistra. Lista sistematică a speciilor este însoţită de date privind ecosistemele cercetate, distribuţia geografică, exigenţele ecologice faţă de habitat şi baza trofică a larvelor.

In habitatele staţiunilor cercetate au fost identificate o serie de raritaţi lepidopterofaunistice: *Eriogaster lanestris*, *Eilicrinia cordiaria*, *Cucullia asteris*, *Cryphia muralis*, *Spiris striata striata*, *Dichonia aeruginea*, *Lamprosticta culta*, *Noctua interposita*.

INTRODUCTION

The Sebeş River (L=88 km; S= 1280 km) is springing from the southern part of the Cindrel Mountains and forms a longitudinal couloir bordered on the western part by the Şureanu Mountains and in the eastern part by the Cindrel Mountains. In the mountain level, it forms a long defile between the localities Şugag-Tău Bistra (Alba County).

The geological substratum consists almost exclusively of crystalline schists. This geological composition has repercussion on soil-kinds and the features of the vegetation.

Data concerning the Macrolepidoptera fauna from the mountain level of the Sebeş Valley are offered by the collections "Adriano Ostrogovich" and "Ludovic Beregszaszi" of the Natural History Museum" Grigore Antipa" from Bucharest (POPESCU-GORJ 1964; STĂNESCU 1995).

FREDERIC KÖNIG has captured also, between 1977-1979, some Lepidoptera species from the habitats of The Sebeş Valley (the Şugag- Tău Bistra Defile and Oaşa Depression) (BURNAZ SILVIA 1993).

MATERIAL AND METHODS

This study was carried out, between 1994-1996, in two sites: Laz, situated in the hillocky sector (450-500 m) and Şugag-Tău Bistra situated in the mountain level of the Sebeş Valley (600 m-1280 m). The Macrolepidoptera species were collected in 11 habitats with different phytocoenological associations. Two light traps with a 250 W mercury-vapour lamp were used for capturing the nocturnal Macrolepidoptera species (S. ord. Heterocera). The first one was localised in the rocky area of Laz locality at 500m altitude and the second in Şugag-Tău Bistra Defile at 1000 m altitude. The Rhopalocera species characteristics for grasslands, river meadows and rocky areas, were captured by using the insect net.

The species identification was made usig different reference sources (BERGMANN 1952; CHINERY 1989; KOCH 1984; NICULESCU 1963, 1965; RÁKOSY 1996; SPULER 1908-1910).

The geographical placement, the edapho-climatic characteristics and the principal phytocoenological associations of the sites Laz and Şugag-Tău Bistra Defile

1. Laz

Placement: The Nord-Eastern part of the Şureanu Mountains (Alba County). In the area of the Laz locality, the Sebeş River pierces the crystalline sector of the Şureanu Mountains and forms the Laz Gorge.

Altitudine: The Muncel Hill - 450 m; The Cetăţii Hill- 550 m; The Poarca Hill - 599 m

Geological Substratum: Mezometamorphic crystalline schists

Annual average temperature: 8,5^{0}C

Annual average preccipitations: 800 mm

Soils: Brown Soils (Cambisoils)

Habitats:

-Rocks with xerothermophylous and mesophylous vegetation: As. *Astragalo - Brometum* Br. - Bl.1849 *Stipetosum capillatae dacicum* Borza 1959 (The Muncel Hill 450 m; As. *Galeopsideto - Rumicetum - Hieraciosum pavichii* Borza 1959;

-Oak forests: As. *Genisto tinctoriae - Quercetum petraeae* Klika 1932. The Pojere Forest (450 m);

-Beech forests: As. *Symphyto cordati - Fagetum* Vida 1959 (The Cetăţii Hill, 550 m);

-Hillocky grasslands: As. *Agrosteto - Festuceto valesiacae* Ardelean 1983 (The Cetăţii Hill, 500 m; As. *Poo-Trisetetum flavescens* Knapp 1951 em Oberd. 1983 (The Cărbunaş Hill, 500 m);

-Shrubs and the skirt of the forests: As. *Prunus spinosae - Crataegetum* (Soó 1927) Hueck.1931; As. *Sambucetum racemosae* Oberd. 1973;

2. Şugag-Tău Bistra Defile

Placement: The eastern part of the Şureanu Mountains (between Şugag and Tău - Bistra localities, Alba County).

Altitude: The Titiana Mountain (1030 m); The Piatra Tomnatecu Mountain (1280 m)

Geological Substratum: Mezometamorphic crystalline schists

Annual average temperature: 5,8^{0}C at Şugag; 4,5^{0}C at Tău-Bistra

Annual average preccipitations: 900- 1000 mm

Soils: Brown Soils

Habitats:

- Rocks with mexoxerophylous vegetation: As. *Asplenio trichomani-Poetum nemoralis Veronicetosum bachofenii* (Borza 1959) Boşcaiu 1971 (Şugag- 750 m, Tău Bistra- 750 m;

- Beech forests: As. *Symphyto cordati - Fagetum* Vida 1959 (Şugag- 650m-700m; Tău-Bistra- 780-900 m;

- Mixed forests: As. *Chrysanthemo rotundifolio-Piceo-Fagetum* Soó 1964 Vida 1959 (Şugag, The Titiana Mountain- 1100 m;

- Spruce forests: As. *Hieracio rotundati - Piceetum* Pawl. et Br. - Bl. 1939 (The Piatra Tomnatecu Mountain- 1280 m;

- River Meadows: As. *Telekio speciosae - Alnetum incanae* Coldea (1986) 1990 (Masa Jidovului-Tău Bistra); As. *Acereto - Ulmetum* Beger 1922 (between Şugag and Tău-Bistra);

- Grasslands: As. *Poo - Trisetetum flavescentis* Knapp 1951 em Oberd.1983 (Şugag 600 m altitude; Tău-Bistra 850 m altitude; As. *Festuco rubrae - Agrostietum capillaris* Horv. (1951) 1952 (Tău Bistra- 650 m-700 m;

- Shrubs and the skirt of the forests: As. *Prunus spinosae - Crataegetum* (Soó 1927) Hueck 1931; As. *Corylo - Tilietum cordatae* Vida 1959; As. *Coryleto-Populetum* Br.-Bl. 1919,1938 (between Şugag and Tău-Bistra).

RESULTS AND DISCUSSIONS

In the sampled areas of the Laz locality and Şugag-Tău Bistra Defile were recorded 494 Macrolepidoptera species belonging to 18 families.

The species diversity varies among the sites: 386 species were recorded from the hillocky area of Laz Gorges and 377 species at Şugag-Tău-Bistra Defile.

The faunistic list, which systematic arrangement is based on the latest systematic and taxonomic conceptions (LERAUT 1980; POPESCU-GORJ 1987; RÁKOSY 1996), is presented in Table 1.

For each species we added data about the actual geographical spreading, the ecological exigences of the adults and the larval host plants according to the ecological and zoogeographical categories published by RÁKOSY (1995, 1996, 1997), MIHUŢ (2000).

The analysis of the lepidopterological material of the both sites points out the predominance of the species belonging to Noctuidae and Geometridae families (Fig. 1).

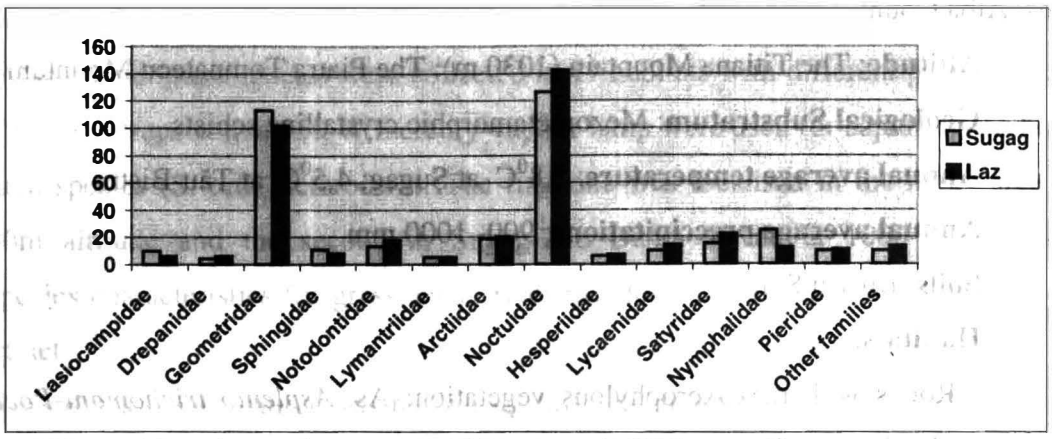

Fig. 1 - The structure of Macrolepidoptera families analised for the sites Laz and Şugag-Tău Bistra

The ecological spectrum related to the preferences of the species for habitat in Şugag-Tău Bistra area points out the predominance of mesophylous Macrolepidoptera followed by mesohigrophylous and mezothermophylous ones, characteristic for grasslands, forests and river meadows (Fig. 2). In the Laz site, the ecological spectrum points out the high number of xerothermophylous species (10 %) characteristic for the xerothermic habitats (rocky grasslands, oak forests) (Fig. 3)

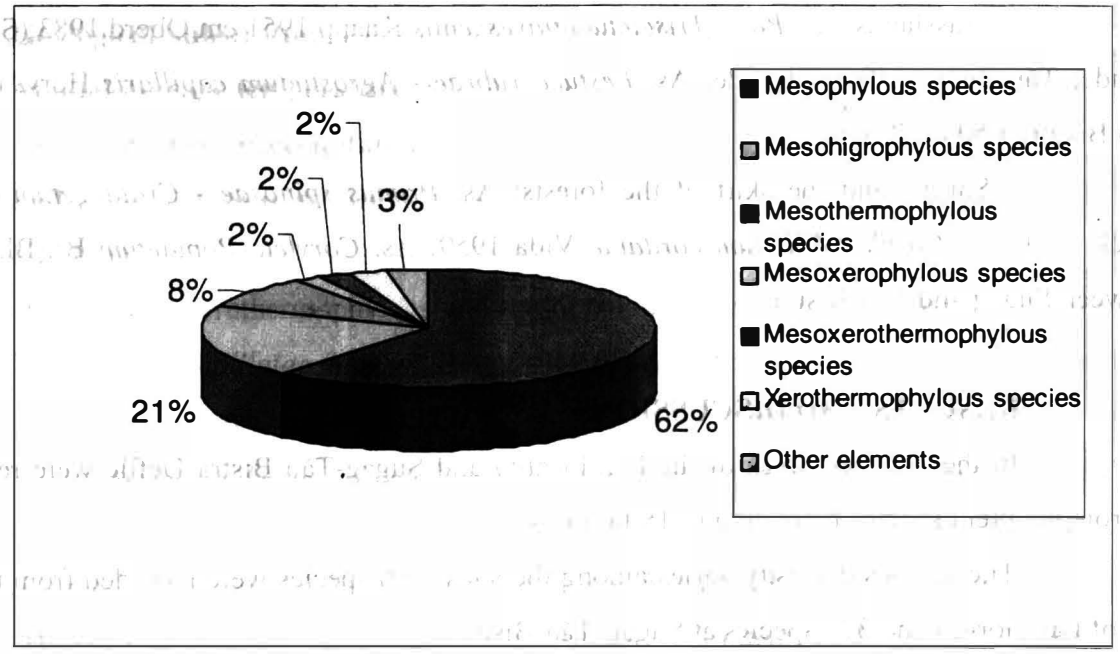

Fig. 2 - The ecological spectrum of Macrolepidoptera species in the Şugag-Tău Bistra site

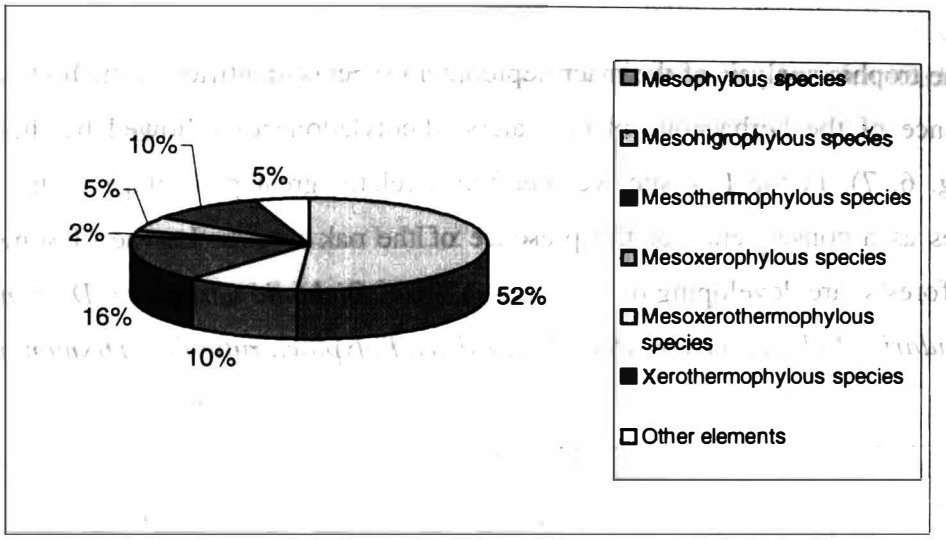

Fig. 3 - The ecological spectrum of Macrolepidoptera species in the Laz site

From the zoogeographical point of wiew, the Şugag-Tău Bistra site is characterized by the predominance of the eurasiatic species (83%), followed by westasiatic-mediterranean (7%) and holarctic ones (6%) (Fig. 4). Because Laz area is rich in xerothermic habitats with warm oak forest and association complexes of oak scrub forests and rocky steppe grasslands, numerous Westasiatic-mediterranean species (14% from the total species) are breeding here in abundant populations (Fig.4).

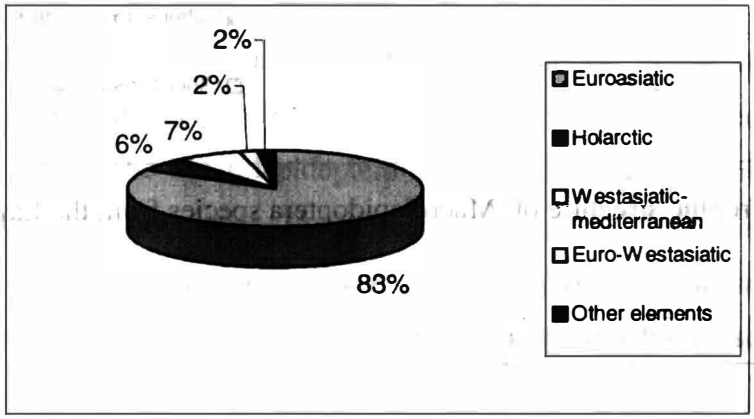

Fig. 4 - Zoogeographical spectrum of the Macrolepidoptera species of Şugag-Tău Bistra site

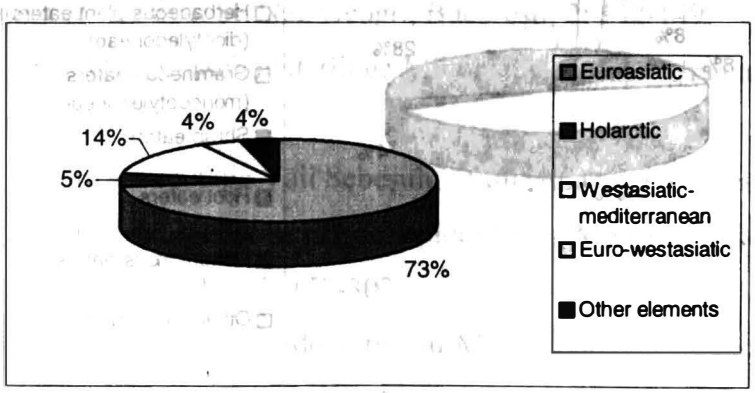

Fig. 5 - Zoogeographical spectrum of Macrolepidoptera species from Laz site

The trophic analysis of the macrolepidoptera species identified in the both sites points out the preponderence of the herbaceous plants eaters (dicotyledoneae) followed by different kinds of defoliators (Fig. 6, 7). In the Laz site we mention a relativ great percentage of the defoliators on Quercus species as a consequence of the presence of the oak forests. Larvae of some typical moth species of oak forests are developing on *Quercus sp.* like, *Dichonia aeruginea*, *Dichonia convergens*, *Comibaena bajularia*, *Jodia croceago*, *Polyploca ridens*, *Polyploca ruficollis*, *Drymonia querna*.

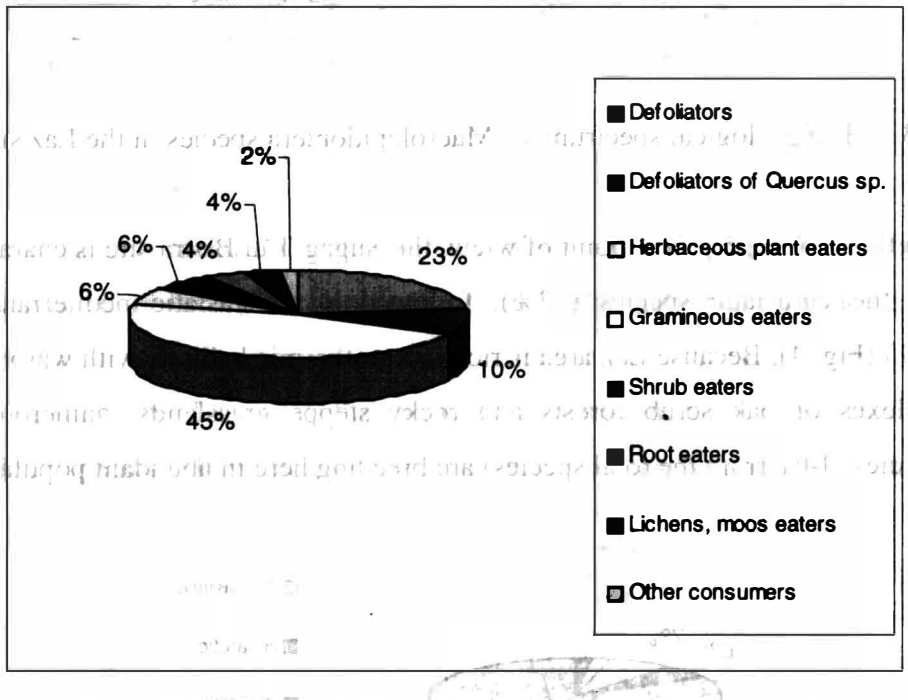

Fig. 6 - Trophic structure of Macrolepidoptera species from the Laz site

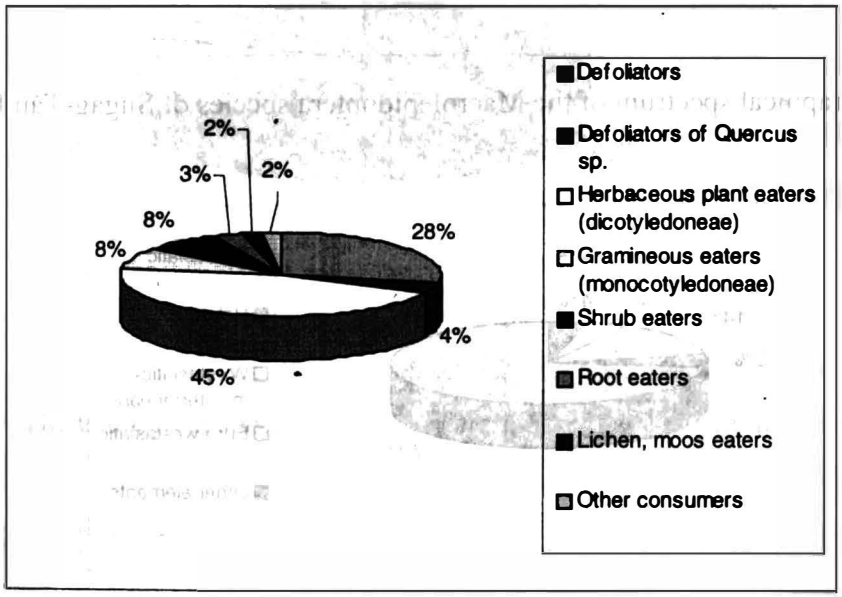

Fig. 7 - Trophic structure of Macrolepidoptera species from the Şugag-Tău Bistra site

Of particular faunistical interest are 11 Macrolepidoptera species identified in the habitats of the Laz Gorges and Şugag-Tău Bistra Defile:

Eriogaster lanestris lanestris:1 ♀Laz 10.04.1996 (Fig. 1)

Eilicrinia cordiaria:1♀ Laz 8.06.1994 (Fig. 4)

Lycia zonaria zonaria: 1♂ Laz 1.04.1994 (Fig. 9)

Proserpinus proserpina: 1♂ Laz 8.06.1994 (Fig. 2)

Spiris striata striata: 2♂♂, 1♀ Laz 19.06.1994 (Fig. 5)

Catocala puerpera: 1♀ Laz 15.07.1997 (Fig. 3)

Cryphia muralis:1♂ Laz 3.07.1996 (Fig. 6)

Cucullia asteris: 2♂ Laz 4.07.1996 (Fig. 7)

Lamprosticta culta: 1 ♂ Şugag 1.08.1995 (Fig. 8)

Dichonia aeruginea 2♂♂, 1♀ Laz 11.09.1994 (Fig. 10)

Noctua interposita 1♂ Laz 14.07.1994 (Fig. 11)

CONCLUSIONS

The results of our investigations point out the diversity of the Macrolepidoptera fauna from the hillocky and mountain level of Sebeş Valley. 386 species were recorded at Laz and 377 species at Şugag-Tău Bistra. The Macrolepidoptera diversity is correlated with the richness of the vegetation characteristic for the both areas. The presence of some rare species in the Romanian fauna, like *Eriogaster lanestris*, *Noctua interposita*, *Cryphia muralis*, *Lamprosticta culta*, *Spiris striata*, etc, justify us to propose the protection of the habitats of the both areas as natural reserves.

REFERENCES

ALEXINSCHIA L., KÖNIG FR. (1963): Contribuţii la cunoaşterea faunei de lepidoptere din Munţii Lotru şi Parâng. - Comunic. Zool. Soc. St. Nat. Geogr., Bucureşti, 2: 132-149.

BERGMANN A. (1952): Die Grosschmetterlinge Mitteldeutschlands. Urania Verlag, Gmbh., Jena Bd. 2, 495 p.

BORZA Al. (1959): Flora şi vegetaţia Văii Sebeşului. Edit. Academiei, Bucureşti, 326 p.

BURNAZ SILVIA (1993): Catalogul colecţiei de lepidoptere a Muzeului judeţean Deva.- Sargeţia, Acta Mus. Dev., Ser. Sci. Nat., Deva, 14-15: 157-302.

BURNAZ SILVIA (1997): Des macrolépidoptères du Massif Şureanu (le secteur de la Depression montagneuse Oaşa et le Mont Şureanu). – Sargetia, Acta Mus. Dev., Ser. Sci. Nat., Deva, 17: 129-144.

CIOCHIA V., BARBU Al. (1980): Catalogul colecţiei de lepidoptere "N. Delvig" a Muzeului judeţean Braşov. – Cumidava, Braşov, 12 (4):1-99.

COLDEA G. (1991): Documents phytosociologiques. Prodrome des associations végétales des Carpates du Sud-Est (Carpates Roumaines). - Universita degli Studi, Camerino, 539 p.

GHINEA D. (1998): Enciclopedia geografică a României. Edit. Enciclopedică, Bucureşti, I-III.

HUEMER P. (1997): Diversitat von Schmetterlingen (Lepidoptera) in Waldökosystemen Sudtirols und Trients. - Veroff. D. Tiroler Landesmuseum Ferdinandeum, Innsbruck, 75-76: 23-96.

KOCH M. (1984): Wir bestimmen Schmetterlinge. Bd. 1, Verlag J. Neumann – Neudamm, Melsungen, 792 p.

KÖNIG F. (1960): Consideraţiuni sistematice şi zoogeografice cu privire la elementele componente ale faunei de lepidoptere din Banat. – Comunic. Biol. Soc. Şt. Nat. Geogr., Bucureşti, 133-140.

KÖNIG F. (1969): Biocenoze de sărături din Banat pe cale de dispariţie. In: Ses. Comunic. Şt. Muz. St. Nat., Edit. Biblioteca Muzeelor, Bucureşti, 7: 105-115.

KÖNIG F. (1975): Catalogul colecţiei de lepidoptere a Muzeului Banatului. Edit. Muz. Banatului, Timişoara, 284 p., 20 pl.

KÖNIG F. (1978): Lepidoptere pe cale de dispariţie din judeţul Arad. – Ocrot. Nat. Med. Inconj., Bucureòti, 22 (2): 127-132.

KÖNIG F. (1982): Montane, Subalpine-Alpine und Boreo-Alpine Schmetterlings –Arten aus den Rumänischen Karpaten. – Stud. Comunic. SSBR, Fil. Reghin, 2: 229-236.

LERAUT P. (1980): Liste systématique et synonimique des lépidoptères de France, Belgique et Corse. – Alexanor, Suppl. Bull. Soc. Ent. France, Paris, 334 p.

MIHUŢ S. (1997): Lepidoptere din zona localităţii Bădeni (nord-estul Câmpiei Transilvaniei). – Bul. Inf. Soc. Lepid. Rom., Cluj-Napoca, 8 (1-2): 67-77.

MIHUŢ S. (2000): Biological, ecological and zoogeographical considerations on Romanian Butterflies.- Evolution and Adaptation, Cluj-Napoca, 6: 45-78.

MIHUŢ S., STAN G., RÁKOSY L. (1996): Studiul faunei de Macrolepidoptera (Heterocera) pe baza datelor de colectare cu capcana luminoasă în zona Cluj-Floreşti (Transilvania).- Bul. Inf. Soc. Lepid. Rom., Cluj-Napoca, 7 (3-4): 205-209.

NADOLSCHI V. (1972): O nouă localitate pentru *Proserpinus proserpina* Pall. În R.S. România: Comuna Ardeoani din jud. Bacău. – Stud. Comunic., Zool., Muz. Şt. Nat., Bacău, 5: 161-164.

POPESCU-GORJ A. (1987): La liste systématique revisée des espèces de macrolépidoptères mentionnées dans la faune de Roumanie. Mise á jour de leur classification et nomenclature. – Trav. Mus. Hist. Nat."Grigore Antipa", Bucureşti, 29: 69-123.

RÁKOSY L. (1991): Lista sistematică a noctuidelor din România. – Bul. Inf. Soc. Lepid. Rom., Cluj-Napoca, Suppl. 1: 43-86.

RÁKOSY L. (1992): Noctuide implicate în ecosistemele agro-silvice din Transilvania (Lepidoptera: Noctuidae). Teză de doctorat. Univ. "Babeş-Bolyai", Cluj-Napoca, 241 p.

RÁKOSY L. (1993): Macrolepidoptere din Parcul Național Retezat. In: Parcul Național Retezat. Studii ecologice, Edit. West-Side, Braşov, 254-280.

RÁKOSY L. (1995): Die Noctuiden Siebenburgens (Transsylvanien, Rumänien) (Lepidoptera: Noctuidae). – Nachr. Entomol. Ver. Apollo, Frankfurt/ Main, Suppl. 13: 1-109.

RÁKOSY L. (1996): Die Noctuiden Rumäniens (Lepidoptera: Noctuidae) – Staphia, Linz, 46

RÁKOSY L. (1997): Macrolepidopterele din Parcul Național Retezat. In: Entomofauna parcurilor naționale Retezat şi Valea Cernei. Soc. Lepid. Rom., Cluj-Napoca, 87-121.

RÁKOSY L., LÁSZLOFFY Z. (1997): Fauna de macrolepidoptere de la Fânațele Clujului (Lepidoptera) (Cluj-România). – Bul. Inf. Soc. Lepid. Rom., Cluj-Napoca, 8 (3-4): 165-186.

RÁKOSY L., NEUMANN H. (1997): Macrolepidopterele din Valea Cernei. In: Entomofauna parcurilor naționale Retezat şi Valea Cernei. – Soc. Lepid. Rom., Cluj-Napoca, 123-151.

RÁKOSY L., VIEHMANN I. (1991): Argumente în favoarea unei rezervații naturale în Cheile Turului. – Ocrot. Nat. Med. Inconj., Bucureşti, 35 (1-2): 15-26.

RÁKOSY L., WEBER W. (1984): Bioökologisches Studium der Tagfalter (Rhopalocera und Grypocera) von Sighişoara (Schassburg) und Umgebung (Transilvania/ Siebenbürgen, Rumänien) – Stud. Comunic. Muz. Brukenthal, Şt. Nat., Sibiu, 26: 325-341.

SPULER A. (1908-1910): Die Schmetterlinge Europas. Bd.I – IV, Stuttgart.

STĂNESCU M. (1995): The catalogue of "Ludovic Beregszaszy" Lepidopteran Collection (Insecta: Lepidoptera). – Trav. Mus. Hist. Nat." Grigore Antipa", Bucureşti, 35: 221-346.

TRUFAŞ V. (1956): Valea Sebeşului. Date morfologice. – Anal. Univ. C. I. Parhon, Bucureşti, 11: 269-275.

TRUFAŞ V. (1986): Munții Şureanu. Ghid turistic. Edit. Sport-Turism, Bucureşti, 177 p.

WIZAUER T. C. (1997): Date asupra faunei de macrolepidoptere din zona localității Ocna-Dej. Bul. Inf. Soc. Lepid. Rom., Cluj-Napoca, 8 (3-4): 199-210.

WOLFSBERGER J. (1971): Die Macrolepidopteren-fauna des Monte Baldo in Oberitalien. – Boll. Mus. Civ. St. Nat., Verona, 4: 1-334.

Silvia Burnaz
The Museum of Dacian and Roman Civilisation
Deva, 39, 1 Decembrie Street
Romania

Table 1 - The systematic list of the Macrolepidoptera species identified in the ecosystems of the sites Laz and Şugag Geographical spreading; Ecological Exigencies; Habitat; Larval food.

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
LASIOCAMPIDAE						
Poecilocampa populi (LINNAEUS,1758)	+	+	Eua	M	7, 8, 10, 11	D
Trichiura crataegi (LINNAEUS, 1758)	+	+	E.Was	Mt	7,8, 11	S;D
Eriogaster lanestris lanestris (LINNAEUS, 1758)	+	-	E. Was	Mt	11	D
Malacosoma neustria neustria (LINNAEUS, 1758)	+	+	Eua	M	7, 8, 10, 11	D
Macrothylacia rubi (LINNAEUS, 1758)	+	+	Eua	M	7, 8, 10, 11	P;S
Dendrolimus pini montana (STAUDINGER, 1871)	-	+	Eua	M	8, 9	Dc Oligophagous, Pinaceae
Cosmotriche lunigera (ESPER, 1784)	-	+	Eua	M	9	Dc Oligophagous, Pinaceae
Phyllodesma tremulifolia (HÜBNER, 1810)	-	+	Eua	Mh	10, 11	D
Gastropacha quercifolia (LINNAEUS,1758)	+	+	Eua	M	7, 8, 10, 11	D;S
Gastropacha populifolia (ESPER,1781)	-	+	Eua	Mh	10	D Oligophagous, Salicaceae
Odonestis pruni (LINNAEUS 1758)	+	+	Eua	M	6, 7, 8, 11	D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
SATURNIIDAE						
Saturnia pavonia (LINNAEUS, 1758)	+	+	Eua	M	7, 8, 11	S
Aglia tau tau (LINNAEUS, 1758)	+	+	Eua	M	7, 11	D
SPHINGIDAE						
SPHINGINAE						
Agrius convolvuli (LINNAEUS, 1758)	+	+	Str	Mx	1,4,5,11	P
Mimas tiliae (LINNAEUS, 1758)	+	+	Eua	Mh	7,10,11	D
Smerinthus ocellatus (LINNAEUS, 1758)	+	+	Eua	Mh	10,11	P
Laothoe populi (LINNAEUS, 1758)	+	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
MACROGLOSSINAE						
Hemaris tityus (LINNAEUS, 1758)	-	+	Hol	Mt	4,5,11	P
Macroglossum stellatarum (LINNAEUS, 1758)	+	+	Eua	Mx	4,5,11	P
Hyles euphorbiae (LINNAEUS, 1758)	+	+	Eua	Mx	1,4,5	P
Hyles lineata livornica (ESPER, 1780)	+	+	Eua	Mt	5,11	P
Deilephila elpenor (LINNAEUS, 1758)	+	+	Eua	Mh	1,4,10,11	P
Deilephila porcellus (LINNAEUS, 1758)	+	+	Eua	M	1,4,10,11	P
HESPERIIDAE						
PYRGINAE						
Erynnis tages tages (LINNAEUS, 1758)	+	+	Eua	M	1,4,5,11	P
Pyrgus malvae (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,5,11	P
Pyrgus alveus alveus (HÜBNER, 1803)	+	-	Eua	Mxt	1,2,4,11	P Helianthemum nummularium
Pyrgus fritillarius fritillarius (PODA, 1761)	+	+	E.Was.	Xt	1,2,4	P
Thymelicus sylvestris (PODA, 1761)	+	+	Pal	M	1,4,11	G Poaceae

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Hesperia comma (LINNAEUS, 1758)	+	+	Hol	M	1,4,*11*	G Oligophagous, Poaceae
Ochlodes venatus faunus TURATI, 1905	+	+	Eua	Mt	1,2,4,5,11	G Oligophagous, Poaceae
PAPILIONIDAE						
PARNASSINAE						
Parnassius menosyne transsylvanica SCHMIDT 1930	-	+	End	Mh	3,4,11	P Oligophagous: Corydalis sp.
PAPILIONINAE						
Papilio machaon machaon (LINNAEUS, 1758)	+	+	Hol	Mt	1,4,5,10,11	P
Iphiclides podalirius (SCOPOLI, 1763)	+	+	Eua	Mxt	1,2,4,5,10,11	S; Oligophagous, Rosaceae
PIERIDAE						
DISMORPHINAE						
Leptidea sinapis sinapis (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,11	P Oligophagous, Fabaceae
PIERINAE						
Aporia crataegi crataegi (LINNAEUS, 1758)	+	+	Pal	Mt	1,2,4,11	S Oligophagous: Rosaceae
Pieris brassicae brassicae (LINNAEUS, 1758)	+	+	Eua	M	1,4,5,11	P Oligophagous, Brassicaceae
Pieris rapae rapae (LINNAEUS, 1758)	+	+	Hol	M, Eu	1,2,4,5,10,11	P Oligophagous, Brassicaceae

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Pieris napi meridionalis (HEYNE, 1895)	+	+	Hol	M	1,2,4,5,10,11	P Oligophagous, Brassicaceae
Pontia daplidice daplidice (LINNAEUS, 1758)	+	-	Eua	Mt	1,2,5,11	P Oligophagous, Brassicaceae
Anthocharis cardamines meridionalis VERITY, 1908	+	+	Eua	M	1,4,5,11	P Oligophagous, Brassicaceae
COLIADINAE						
Colias hyale hyale (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,5,11	P Oligophagous, Fabaceae
Colias crocea crocea (GEOFFROY IN FOURCROY, 1785)	+	+	V. Pal.	Mt	1,2,4,11	P Oligophagous, Fabaceae
Gonepteryx rhamni meridionalis ROBER, 1909	+	+	Pal.	M	11	S Oligophagous, Rhamnaceae
LYCAENIDAE						
RIODININAE						
Hamearis lucina lucina (LINNAEUS, 1758)	+	+	Eua	M	1,4,5,11	P
LYCAENINAE						
Neozephyrus quercus quercus (LINNAEUS, 1758)	+	-	E.Was.	Mt, Xt	6,11	Q: Quercus cerris
Satyrium acaciae nostras (COURVOISIER, 1913)	+	-	Eua	Mt	5	P
Callophrys rubi virgatus VERITY, 1913	+	+	Pal	M	1,4,5,11	P; S

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Lycaena phlaeas phlaeas (LINNAEUS, 1761)	+	+	Hol	M	1,2,4,5,11	P (Rumex sp., Polygonum aviculare)
Lycaena dispar rutila (WERNEB RG, 1864)	-	+	Eua	Hg, Tf	1,3,4	P Oligophagous: Rumex sp.
Lycaena virgaureae virgaureae (LINNAEUS, 1758)	-	+	Eua	Mh	1,3,4,11	P (Solidago virgaurea, Rumex acetosa)
POLYOMMATINAE						
Everes argiades (PALLAS,1771)	+	+	Eua	Hg	1,4,10,11	P Oligophagous, Fabaceae
Celastrina argiolus argiolus (LINNAEUS, 1758)	+	-	Pal	M	1,4,10,11	P; S Myrmecophil
Scoliantides orion orion (PALLAS, 1771)	+	+	Eua	Xt	1,4,5,11	P: Sedum sp. Myrmecophil
Glaucopsyche alexis alexis (PODA, 1761)	-	+	Pal	M	1,3,4,5,11	P Oligophagous, Fabaceae Myrmecophil
Maculinea alcon alcon (DENIS& SCHIFFERMÜLLER, 1775)	+	-	E.Was.	Mh	1,4,5,10,11	P Oligophagous: Gentiana sp. Myrmecophil
Plebejus argus argus (LINNAEUS, 1758)	+	+	Eua	M	1,4,5,10,11	P; S Myrmecophil
Plebejus argyrognomon (BERGSTRASSER, 1779)	+	-	E	M	1,2,3,4,11	P Oligophagous, Fabaceae Myrmecophil

	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Aricia agestis agestis (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Pal	M	1,4,5,11	P Myrmecophil
Cyaniris semiargus semiargus (ROTTEMBURG, 1775)	+	+	Pal	Mxt	4,5,11	P Oligophagous, Fabaceae Myrmecophil
Polyommatus icarus icarus (ROTTEMBURG, 1775)	+	+	Pal	M	1,2,4,5,11	P Oligophagous, Fabaceae Myrmecophil
NYMPHALIDAE						
HELICONIINAE						
Argynnis paphia paphia (LINNAEUS, 1758)	+	+	Pal	M	1,4,11	P Oligophagous, Violaceae
Argynnis aglaja aglaja (LINNAEUS, 1758)	+	+	Pal	M	1,4,11	P Oligophagous, Violaceae
Argynnis adippe adippe (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Pal	Mt	1,4,11	P Oligophagous, Violaceae
Argynnis niobe niobe (LINNAEUS, 1758)	+	+	Eua	M	4,10,11	P Oligophagous, Violaceae
Issoria lathonia lathonia (LINNAEUS, 1758)	+	+	Pal	M	1,2,4,11	P Oligophagous: Violaceae
Clossiana euphrosyne euphrosyne (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,5,11	Oligophagous: Violaceae
Clossiana selene selene (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Hol	M	1,2,4,11	P Oligophagous: Violaceae

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Clossiana dia dia (LINNAEUS, 1767)	+	+	Eua	M	1,4,11	P Oligophagous: Violaceae
NYMPHALINAE						
Vanessa atalanta atalanta (LINNAEUS, 1758)	+	+	Hol	M,Mg	1,4,5,11	P Oligophagous: Urticaceae
Vanessa cardui cardui (LINNAEUS, 1758)	+	+	Cosm	Eu, Mg	1,4,5,11	P
Inachis io io (LINNAEUS, 1758)	+	+	Eua	M	1,4,11	P Oligophagous, Urticaceae
Aglais urticae urticae (LINNAEUS ,1758)	+	+	Eua	M,Mg	11	P Oligofag, Urticaceae (Urtica dioica U. urens)
Polygonia c-album c-album (LINNAEUS, 1758)	+	+	Hol	M	11	P; S
Araschnia levana levana (LINNAEUS, 1758)	+	+	Eua	M	10,11	P Oligophagous, Urtica dioica, U. urens
Nymphalis polychloros (LINNAEUS, 1758)	-	+	V. Pal.	Mt	10,11	D
Nymphalis antiopa antiopa (LINNAEUS, 1758)	+	+	Hol	M	10,11	D Oligophagous: Salicaceae
Melitatea cinxia cinxia (LINNAEUS, 1758)	+	+	Pal	M	1,2,4, 5,11	P
Melitatea phoebe phoebe (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Pal	Mt	1,2,4,11	P
Melitaea trivia trivia (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mt	1,2,4	P Oligophagous: Verbascum sp.

	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Melitatea didyma didyma (ESPER, 1779)	+	+	Pal	M, Xt	1,4,5,11	P
Melitaea britomartis britomartis ASSMAN 1847	+	-	Eua	Mt	1,4,11	P
Melitaea athalia athalia (ROTTEMBURG, 1775)	+	+	Eua	M	1,2,4,11	P
Limenitis populi bucovinensis (HORMUZACHI, 1897)	-	+	Eua	Mh	10,11	D Monophagous, Populus tremula
Neptis rivularis ludmilla NORDMANN, 1851	-	+	Eua	M	10,11	P;S Oligophagous, Rosaceae (Aruncus dioicus, Filipendula ulmaria, Spiraea sp.)
Neptis sappho aceris (LEPECHIN, 1770)	+	+	E	M	10,11	P Monophagous, Latyrus vernus
Apatura iris iris (LINNAEUS, 1758)	+	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
Apatura ilia ilia (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
Pararge aegeria tircis (BUTLER, 1867)	+	+	V. Pal	M,	1,4,11	G Oligophagous, Poaceae
Pararge megera megera (LINNAEUS, 1767)	+	+	V. Pal	M	11	G Oligophagous, Poaceae

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Coenonympha arcania arcania (LINNAEUS, 1761)	+	+	Eua	Mh	1,3,4,11	G Oligophagous, Poaceae
Coenonympha glycerion glycerion (BORKHAUSEN, 1788)	-	+	Eua	Mh	3,4,11	G Oligophagous, Poaceae
Coenonympha pamphilus pamphilus (LINNAEUS, 1758)	+	+	Pal	M	1,2,4,11	G Oligophagous, Poaceae
Aphantopus hyperantus hyperantus (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,11	G Oligophagous, Poaceae
Maniola jurtina jurtina (LINNAEUS, 1758)	+	+	Pal	M	1,2,3,4,11	G Oligophagous, Poaceae
Erebia ligea carthusianorum FRUHSTORFER, 1909	-	+	Eua	M	4,5,11	G Oligophagous, Poaceae
Erebia euriale syrmia FRUHSTORFER, 1909	-	+	Eua	M	4,11	G Oligophagous, Poaceae
Erebia aethiops aethiops (ESPER, 1777)	+	+	Eua	M	4,11	G Oligophagous, Poaceae
Melanargia galathea scolis (FRUHSTORFER, 1917)	+	+	Pal	M	11	G Oligophagous, Poaceae
Minois dryas drymeia FRUHSTORFER, 1903	+	+	Eua	M	4,5,11	G Oligophagous, Poaceae

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Hipparchia fagi fagi (SCOPOLI, 1763)	+	+	Eua	Mt	4,5,11	G Oligophagous, Poaceae
Hipparchia semele semele (LINNAEUS, 1758)	+	-	E	Mxt	2,4,5,11	G Oligophagous, Poaceae
Brintesia circe pannonica FRUHSTORFER, 1911	+	+	Eua	Xt	11	G Oligophagous, Poaceae
Chazara briseis briseis (LINNAEUS, 1764)	+	-	Pal.	Xt	2,5,11	G Oligophagous, Poaceae
DREPANIDAE						
Thyatira batis (LINNAEUS, 1758)	+	+	Eua	Mh	10, 11	S Oligophagous, Rubus
Habrosyne pyritoides (HUFNAGEL, 1766)	+	+	Eua	M	10, 11	S
Cymatophorima diluta (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mt	6, 11	Q Oligophagous, Quercus
Polyploca ridens (FABRICIUS, 1787)	+	-	Eua	Mt	6, 11	Q Oligophagous, Quercus
Polyploca ruficollis (DENIS & SCHIFFERMÜLLER, 1775)	+	-	E.Was	Mt	6, 11	Q Oligophagous, Quercus
Watsonalla binaria (HUFNAGEL, 1767)	+	-	Eua	Mt	11	Dq
Sabra harpagula (ESPER, 1786)	+	+	Eua	Mh	11	D Salicaceae

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Cilix glaucatus glaucatus (SCOPOLI,1763)	+	+	Eua	Mt	6, 7, 11	D
GEOMETRIDAE						
ARCHIEARINAE						
Archiearis notha (HÜBNER, 1803)	+	-	Eua	Mh	10, 11	D
OENOCHROMINAE						
Alsophila aescularia (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	6, 7, 11	D
Alsophila aceraria (DENIS & SCHIFFERMÜLLER, 1775)	+	-	E.Was	Xt	6, 7, 11	Dq
GEOMETRINAE						
Aplasta ononaria ononaria (FUESSLY, 1783)	+	-	Wam	Xt	1, 2, 11	S Monophagous, Ononis spinosa
Pseudoterpna pruinata (HUFNAGEL, 1767)	+	-	Eua	Xt	2, 5, 11	P Oligophagous, Fabaceae
Geometra papilionaria (LINNAEUS, 1758)	+	+	Eua	M	7, 8, 11	D
Comibaena bajularia (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Xt	6, 11	Q Oligophagous, Quercus
Tethidia smaragdaria (FABRICIUS, 1787)	+	-	Eua	Xt	1, 2, 5, 11	P Oligophagous, Asteraceae
Hemithea aestivaria (HÜBNER, 1799)	+	+	Eua	Mt	6, 7, 11	D
Chlorissa cloraria (HÜBNER, 1813)	-	+	Eua	Mt	4, 5, 11	S,P
Chlorissa pulmentaria GUENEE, 1857	+	-	Eua	Xt	2, 11	P
Thalera fimbrialis (SCOPOLI, 1763)	+	-	Eua	Mt, Xt	1, 4, 5, 11	P
Jodis lactearia (LINNAEUS, 1758)	+	+	Eua	M	1, 4, 7, 8, 11	D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
STERRHINAE						
Cyclophora annulata (SCHULZE, 1775)	+	+	Eua	Mt	6, 7, 8, 11	D
Cyclophora albipunctata (HUFNAGEL, 1767)	+	+	Eua	Mt	7,11	D
Cyclophora porata (LINNAEUS, 1767)	+	-	E.Was	Mt	6,11	Dq
Cyclophora punctaria (LINNAEUS, 1758)	+	-	E.Was	Mt	6,11	Q Oligophagous, Quercus
Cyclophora linearia (HÜBNER, 1799)	+	+	Eua	M	6,7,11	Dq
Timandra griseata (W. PETERSEN, 1902)	+	+	Eua	Mt	1, 2, 4, 10	P, Oligophagous, Polygonaceae
Scopula immorata (LINNAEUS, 1758)	+	+	Eua	Mt	1, 4, 5, 10	P
Scopula nigropunctata (HUFNAGEL, 1767)	+	+	Eua	Mxt	1, 4, 5, 10	P
Scopula ornata (SCOPOLI, 1763)	+	+	Eua	Mt	1,4, 5, 10	P
Scopula rubiginata (HUFNAGEL, 1767)	+	+	Eua	Xt	1, 2, 4, 5	P
Scopula marginepunctata (GOEZE, 1781)	+	+	Eua	Mxt,Xt	2, 4, 5	
Scopula incanata (LINNAEUS, 1758)	-	+	Eua	Xt	4, 5, 10	P
Scopula ternata (SCHRANK, 1802)	-	+	Eua	M	4, 11	E
Idaea ochrata (SCOPOLI, 1763)	+	+	Eua	Mxt	1, 2, 5	G
Idaea muricata (HUFNAGEL, 1767)	+	-	Eua	Mht	1, 2, 3, 10	P
Idaea biselata (HUFNAGEL, 1767)	+	+	Eua	Mht	4, 5, 10	X
Idaea trigeminata (HAWORTH, 1908)	+	+	Wam	Xt	1, 4, 5	P
Idaea pallidata (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	M	1, 2, 4, 11	X
Idaea emarginata (LINNAEUS, 1758)	+	-	Eua	Mt	1, 4, 5, 10	P
Idaea aversata aversata (LINNAEUS, 1758)	+	-	Eua	M	1, 4, 5, 7, 11	X
Idaea degeneraria (HÜBNER, 1799)	+	-	Eua	Xt	2, 4, 5, 10	P
Idaea straminata (BORKHAUSEN, 1794)	+	+	Eua	Mt	1, 2, 4, 5, 10	P
Rhodostrophia vibicaria (CLERCK, 1759)	+	+	Eua	Xt	1, 2, 5, 10	P

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
LARENTIINAE						
Lythria purpurata purpurata (LINNAEUS, 1758)	+	+	Eua	Mt	1, 2, 4, 5, 11	P
Cataclysme riguata (HÜBNER, 1813)	+	-	Eua	Xt	2, 5	P Oligophagous, Rubiaceae
Phybalapteryx virgata (HÜBNER,1767)	+	-	Eua	Xt	1, 2, 10	P Oligophagous, Rubiaceae: Galium
Scotopteryx moeniata (SCOPOLI, 1763)	+	+	Wam	Mxt	1, 4, 5, 11	P Oligophagous, Fabaceae
Scotopteryx chenopodiata (LINNAEUS, 1758)	-	+	Wam	Mt	1, 4, 5, 11	P Oligophagous, Fabaceae
Scotopteryx luridata (HUFNAGEL, 1767)	+	+	Eua	Mt	11	P Oligophagous, Fabaceae
Xanthorhoe designata (HUFNAGEL, 1767)	+	+	Hol	Mh	4, 5, 11	P Oligophagous, Brassicaceae
Xanthorhoe ferrugata (CLERCK, 1759)	-	+	Eua	M	1, 4, 5, 11	P
Xanthorhoe montanata (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	4, 5, 7, 8, 11	P
Xanthorhoe fluctuata (LINNAEUS, 1758)	+	+	Eua	M	4, 5, 7, 8, 9	P
Catarhoe cuculata (HUFNAGEL, 1767)	+	+	Eua	Mt	4, 5, 10, 11	P Oligophagous, Galium
Epirrhoe alternata (O. F. MÜLLER, 1764)	+	+	Eua	Mht	4, 11	P Oligophagous, Galium

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Epirrhoe rivata (HÜBNER, 1813)	-	+	Eua	Mht	4, 5, 11	P Oligophagous, Galium
Costaconvexa polygrammata (BORKHAUSEN, 1794)	+	-	Eua	Mt	4, 6, 7, 10, 11	P Oligophagous, Galium
Camptogramma bilineatum (LINNAEUS, 1758)	+	+	Eua	M	1, 2, 11	P
Entephria caesiata (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	M	4, 5	P;E
Anticlea badiata (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	5, 11	S Oligophagous, Rosaceae
Mesoleuca albicillata (LINNAEUS, 1758)	+	+	Eua	Mh	4, 11	S Oligofag, Rosaceae
Pelurga comitata (LINNAEUS, 1758)	+	+	Eua	M	4, 11	P
Cosmorhoe ocellata (LINNAEUS, 1758)	+	+	Eua	M	1, 4, 5, 11	P Oligophagous, Galium
Eulithis prunata (LINNAEUS, 1758)	-	+	Eua	M	7, 8, 11	S;D
Eulithis pyraliata (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	Mh	7, 8, 10, 11	P Oligophagous, Galium
Ecliptopera silaceata (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	Mh	4, 10, 11	P
Ecliptopera capitata (HERRICH-SCHAFFER, 1839)	-	+	Eua	Mh	4, 7, 10, 11	Monophagous, Impatiens noli-tangere
Chloroclysta siterata (HUFNAGEL, 1767)	-	+	Eua	M	7, 8, 10, 11	D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Chloroclysta citrata (LINNAEUS, 1761)	-	+	Hol	M	8, 11	D;P
Chloroclysta truncata (HUFNAGEL, 1767)	-	+	Eua	M	8, 9, 11	P;D
Plemyria rubiginata (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	Mht	7, 8, 11	P
Thera obeliscata (HÜBNER,1787)	-	+	Eua	M	9	Dc Monophagous, Pinus silvestris
Thera variata (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	M	8, 9	Dc Oligophagous, Pinaceae
Eustroma reticulatum (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	Mh	7, 8, 10, 11	P Monophagous, Impatiens noli-tangere
Electrophaes corylata (THUNBERG, 1792)	+	+	Eua	Mh	7, 8, 10, 11	D
Colostygia pectinataria (KNOCH, 1781)	-	+	Eua	M	7, 8, 10, 11	P
Hydriomena furcata (THUNBERG, 1784)	-	+	Eua	M	7, 8, 10, 11	D
Horisme vitalbata (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	6, 7, 11	S Monophagous, Clematis vitalba
Horisme tersata (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	M	6, 7, 11	S Monophagous, Clematis vitalba
Melanthia procellata (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	11	S Monophagous, Clematis vitalba
Rheumaptera hastata (LINNAEUS, 1758)	-	+	Eua	M	4, 7, 11	P
Euphyia biangulata (HAWORTH, 1809)	-	+	Eua	M	4, 5, 11	P
Euphyia frustata (TREITSCHKE, 1828)	+	-	E.Was.	Mx	5, 11	P

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Euphyia scripturata (HÜBNER, 1799)	-	+	E	Mx	5, 11	P
Operophtera brummata (LINNAEUS, 1758)	+	+	Eua	M	7, 8	D
Perizoma alchemillatum (LINNAEUS, 1758)	+	+	Eua	Mx	4, 11	P
Perizoma flavifasciatum (THUNBERG, 1792)	-	+	Eua	Mh	10, 11	P
Perizoma paralellolineatum (RETZIUS, 1783)	-	+	Eua	Mh	10, 11	P
Eupithecia abietaria (GOEZE, 1781)	-	+	Eua	M	9	Dc Oligophagous, Pinaceae
Eupithecia exiguata (HÜBNER, 1813)	+	+	Eua	M	11	S
Eupithecia centau eata (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	1, 4, 11	P
Eupithecia absinthiata (CLERCK, 1759)	+	+	Eua	M	7, 8, 11	P Oligophagous, Aste aceae
Chloroclystis rectangulata (LINNAEUS, 1759)	-	+	Eua	M	7, 8, 11	P
Aplocera plagiata (LINNAEUS, 1758)	+	+	Eua	Mx	7, 8, 11	P Monophagous, Hypericum perforatum
Aplocera praeformata (HÜBNER, 1826)	+	+	Eua	M	1, 4, 5, 11	P Monophagous, Hypericum perforatum
Lithostege fa inata (HUFNAGEL, 1767)	+	-	E,Was	Xt	11	P
Hydrelia flammeola ia (HUFNAGEL, 1767)	+	-	Eua	Mh	7, 10, 11	D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Minoa murinata (SCOPOLI, 1763)	-	+	Eua	M	1, 4, 5, 11	P Monophagous, Euphorbia cyparissias
Lobophora halterata (HUFNAGEL, 1767)	+	+	Eua	Mh	4, 11	D
Trichopteryx carpinata (BORKHAUSEN, 1794)	+	+	Eua	M	7, 8, 10, 11	D
Pterpherapteryx sexalata (RETZIUS, 1783)	+	-	Eua	Mh	10, 11	D
BOARMIINAE						
Abraxas grossulariata (LINNAEUS, 1758)	+	+	Eua	M	7, 8, 11	S Oligophagous, Ribes
Calospylos sylvatus (SCOPOLI, 1763)	+	+	Eua	M	7, 8, 11	D
Lomaspilis marginata (LINNAEUS, 1758)	-	+	Eua	M	7, 8, 11	D
Ligdia adustata (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	M	4, 5, 11	S Monophagous, Euonymus europaeus
Semiothisa notata (LINNAEUS, 1758)	+	+	Eua	M	7, 8, 11	D
Semiothisa alternaria (HÜBNER, 1809)	+	+	Eua	M	7, 8, 11	D
Semiothisa signaria (HÜBNER, 1809)	-	+	Eua	M	8, 9	Dc Oligophagous, Pinaceae
Semiothisa liturata (CLERCK, 1759)	-	+	Eua	M	8, 9	Dc Oligophagous, Pinaceae
Semiothisa clathrata (LINNAEUS, 1758)	+	+	Eua	M	1, 4, 5, 11	P
Semiothisa glarearia (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Xt	1, 2, 5	P Oligophagous, Fabaceae
Plagodis pulveraria (LINNAEUS, 1758)	+	+	Eua	M	7, 8, 11	S;D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Opistograptis luteolata (LINNAEUS, 1758)	+	+	Eua	M	7, 8, 11	D
Epione repandaria (HUFNAGEL, 1767)	+	+	Eua	Mh	4, 10, 11	D
Pseudopanthera macularia (LINNAEUS, 1758)	+	+	Eua	M	1, 2, 3, 4, 11	P
Therapis flavicaria (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	6,7,11	P Oligophagous, Labiatae
Ennomos autumnarius WERNEBURG, 1859	+	+	Eua	M	6,7,8,10,11	D
Ennomos quercinarius (HUFNAGEL, 1767)	+	-	Eua	M	6, 7, 10, 11	Dq
Ennomos fuscantarius (STEPHENS, 1809)	+	-	Eua	M	7, 8, 11	D
Ennomos erosarius (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	7, 8, 10, 11	D
Selenia dentaria (FABRICIUS, 1775)	+	-	Eua	M	6, 7, 11	Dq
Selenia lunularia (HÜBNER, 1788)	+	+	Eua	M	6, 7, 11	Dq
Selenia tetralunaria (HUFNAGEL, 1767)	+	+	Eua	M	6,7,8,11	D;Dq
Odontopera bidentata (CLERCK, 1759)	-	+	Eua	M	5,7,8,11	D;Dc
Artiora evonymaria (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	7, 8, 11	S Monophagous, Euonymus europaeus
Crocallis tusciaria (BORKHAUSEN, 1793)	+	-	Eua	M	6, 7, 11	D
Crocallis elinguaria (LINNAEUS, 1758)	+	+	Eua	M	6, 7, 8, 11	D
Ourapteryx sambucaria (LINNAEUS, 1758)	+	+	Eua	M	7,8,10,11	S
Colotois pennaria (LINNAEUS, 1761)	+	-	Eua	M	7,10,11	D
Angerona prunaria (LINNAEUS, 1758)	+	+	Eua	M	6,7,10,11	D
Apocheima hispidarium (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mt	6,7,10,11	Dq
Lycia hirtaria hirtaria (CLERCK, 1759)	+	-	Eua	M	7,8,11	D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Biston stratarius stratarius (HUFNAGEL, 1767)	+	-	Wam	M	7,10,11	D
Biston betularius betularius (LINNAEUS, 1758)	+	-	Eua	M	7,8,11	D
Agriopis leucophaearia (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mt	6,7,10,11	D
Agriopis bajaria (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Mt	6,7,11	D
Erranis defoliaria (CLERCK, 1759)	+	+	E.Was	M	6,7,11	D
Peribatodes rhomboidarius (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	7,8,11	D
Peribatodes secundarius (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	M	9	Dc, Oligophagous, Pinaceae
Cleora cinctaria (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	6,7,8,11	D
Deileptenia ribeata (CLERCK, 1759)	+	-	Eua	M	8,9	Dc
Alcis repandatus repandatus (LINNAEUS, 1758)	+	+	Eua	M	4,7,8,11	D
Alcis maculatus bastelbergeri (HIRSCHKE, 1908)	-	+	Eua	Mh	4,7,8,11	D
Fagivorina arenaria (HUFNAGEL, 1767)	+	+	Eua	Mt	7,11	D
Ascotis selenaria selenaria (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	7,8,11	P;D
Ectropis crepuscularia (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	5,7,8,11	P;D
Ematurga atomaria atomaria (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,10	P
Cabera pusaria (LINNAEUS, 1758)	+	+	Eua	M	6,7,8,11	D
Lomographa temerata (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	7,8,11	D
Campaea margaritata (LINNAEUS, 1767)	+	+	Eua	M	7,8,11	D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Hylaea hasciaria fasciaria (LINNAEUS, 1758)	+	+	Eua	M	8,9	Dc
Siona lineata (SCOPOLI, 1763)	+	+	Eua	M	1,4,11	P
Perconia strigillaria (HÜBNER, 1787)	+	+	Eua	M	5,7,11	P;E
NOTODONTIDAE						
Phalera bucephala (LINNAEUS, 1819)	+	+	Eua	M	7,8,11	D
Furcula furcula forficula (FISCHER v. VALDHEIM, 1820)	+	+	Hol	Mh	7,8,10,11	D
Stauropus fagi fagi (LINNAEUS, 1758)	+	+	Eua	M	7,8,10,11	D
Peridea anceps anceps (GOEZE, 1781)	+	-	Eua	Mt	6,7,11	Dq
Spatalia argentina (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mt	6,7,11	Dq
Notodonta dromedarius dromedarius (LINNAEUS, 1767)	+	+	Eua	M	7,8,10,11	D
Notodonta tritophus tritophus (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	7,8,10,11	D
Drymonia dodonaea dodonaea (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	7,8,10,11	D
Drymonia ruficornis ruficornis (HUFNAGEL, 1766)	+	-	Eua	Mt	6,7,11	Dq
Drymonis querna querna (DENIS & SCHIFFERMÜLLER, 1775)	+	-	E.Was	Xt	6,11	Q Oligophagous, Quercus
Pheosis gnoma gnoma (FABRICIUS, 1777)	+	+	Eua	M	7,10,11	D
Pheosia tremula (CLERCK, 1759)	+	+	Eua	Mh	10,11	D
Ptilophora plumigera (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	7,8,10,11	D
Pterostoma palpinum (CLERCK, 1759)	+	+	Eua	Mh	7,8,10,11	D
Ptilodon capucina (LINNAEUS, 1758)	+	+	Eua	M	7,8,10,11	D
Ptilodontella cucullina (DENIS & SCHIFFERMÜLLER,1775)	+	-	Eua	Mh	10,11	D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Eligmodonta ziczac (LINNAEUS, 1758)	+	+	Eua	Mh	7,10,11	D
Clostera anastomosis (LINNAEUS, 1758)	+	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
Clostera pigra (HUFNAGEL, 1766)	+	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
NOCTUIDAE						
ACRONICTINAE						
Moma alpium alpium (OSBECK, 1778)	+	-	Eua	Mt	6,7,11	Dq
Acronicta tridens tridens (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mt	6,7,8,10,11	D
Acronicta leporina leporina (LINNAEUS, 1758)	+	+	Hol	Mh	10,11	D
Acronicta alni (LINNAEUS, 1767)	+	+	Eua	M	10,11	D
Acronicta megacephala (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	Mh	10,16	D Oligophagous, Salicaceae
Acronicta strigosa (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	Mh	10,11	S
Acronicta rumicis (LINNAEUS, 1758)	+	-	Eua	M	1,3,4,10,11	S;D
Craniophora ligustri (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	Mth	6,7,10,11	S Oligophagous, Oleaceae
Cryphia fraudatricula (HÜBNER, 1803)	+	-	Wam	Xt	1,2,5,6	L
Cryphia algae (FABRICIUS, 1775)	+	-	Wam	Mt	2,5,6,11	L
Cryphia muralis (FORSTER, 1771)	+	-	Med	X	5	L
HERMINIINAE						
Idia calvaria (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Wam	Mh	1,4,10,11	X
Paracolax tristalis (FABRICIUS, 1794)	-	+	Eua	M	1,7,10,11	X
Herminia tarsicrinalis (KNOCH, 1782)	+	+	Eua	M	6,7,10,11	X

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Quaramia grisealis (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	M	7,11	S;P
Polypogon tentacularia (LINNAEUS, 1758)	+	+	Eua	Mh	1,4,7,10,11	G;P
Zanclognatha lunalis (SCOPOLI, 1763)	+	+	Eua	Xt	1	X
CATOCALINAE						
Catocala nupta nupta (LINNAEUS, 1767)	+	+	Eua	M	7,8,10,11	D Oligophagous, Salicaceae
Catocala elocata elocata (ESPER, 1787)	+	-	Wam	Mh	10,11	D Oligophagous, Salicaceae
Catocala puerpera (GIORNA, 1791)	+	+	Wam	Mht	10,11	D Oligophagous, Salicaceae
Catocala promissa promissa (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Mt	6,11	Dq
Catocala fulminea (SCOPOLI, 1763)	+	+	Eua	Mt	7,8,10,11	S
Minucia lunaris (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Mt	2,5,6,11	Dq
Lygephila pastinum (TREITSCHKE, 1826)	+	+	Eua	T	1,2,4,11	P Oligophagous, Fabaceae
Lygephila viciae (HÜBNER, 1822)	+	+	Eua	Mt	1,2,5,7,11	P Oligophagous, Fabaceae
Lygephila craccae (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Xt	1,2,11	P Oligophagous, Fabaceae
Catephia alchymista (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Xt	6,11	Dq
Aedia funesta funesta (ESPER, 1766)	+	-	Wam	Mt	1,2,5,11	P

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Tyta luctuosa (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Xt	1,2,11	P
Callistege mi (CLERCK, 1759)	+	+	Eua	Xt	1,2,11	P
Euclidia glyphica (LINNAEUS, 1758)	+	-	Eua	Mxt	1, 2, 4, 11	P Oligophagous, Fabaceae
Laspeyria flexula flexula (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	1, 4, 6, 7, 11	L
HYPENINAE						
Hypena proboscidalis (LINNAEUS, 1758)	+	+	Eua	Mh	1,3,4,11	P
Hypena rostralis (LINNAEUS, 1758)	+	+	Eua	M	1,2,5,11	P
Phytometra viridaria (CLERCK, 1759)	+	+	Eua	M	1,4,11	P Oligophagous, Polygala
RIVULINAE						
Rivula sericealis (SCOPOLI, 1763)	+	+	Eua	Mh	1,3,4,5,10	G
Colobochyla salicalis (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	Mh	1,10,11	D Oligophagous, Salicaceae
SCOLIOPTERYGINAE						
Scoliopteryx libatrix (LINNAEUS, 1758)	+	+	Hol	Mh	5,7,8,10,11	D Oligophagous, Salicaceae
EUTELIINAE						
Eutelia adulatrix (HÜBNER, 1813)	+	-	Wam	Xt	2, 11	S Oligophagous, Anacardiaceae
PLUSIINAE						
Diachrysia chrysitis chrysitis (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,5,11	P
Diachrysia chryson (ESPER, 1789)	+	+	Eua	Mh	4,5,11	P

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Macdounnoughia confusa (STEPHENS, 1850)	+	+	Eua	M	1,2,4,11	P
Plusia festucae festucae (LINNAEUS, 1758)	-	+	Eua	Mh	3,4,10,11	P
Autographa gamma gamma (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,5,10,11	P
Autographa pulchrina (HAWORTH, 1809)	-	+	Eua	Mh	4,5,10,11	P
Autographa jota (LINNAEUS, 1758)	-	+	Eua	Mh	4,5,10,11	P
Autographa bractea bractea (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	Mh	4,5,11	P
Syngrapha interrogationis (LINNAEUS, 1758)	-	+	Hol	Mh	4,5,10,11	E Oligophagous, Ericaceae
Abrostola triplasia (LINNAEUS, 1758)	+	+	Eua	M	5,11	P Oligophagous, Urtica
Abrostola trigemina (WERNEBURG, 1864)	-	+	Eua	M	1,2,4,11	P Oligophagous, Urtica
ACONTIINAE						
Emmelia trabealis (SCOPOLI, 1763)	+	-	Eua	Mt	1,2,4,11	P
Calymma communimacula (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Xt	2,5	C
Eublema purpurina (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Xt	2,5	P
CUCULLIINAE						
Cucullia umbratica (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,5,11	P Oligophagous, Asteraceae
Cucullia asteris (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Xt	5	P

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Shargacucullia thapsiphaga (TREITSCHKE, 1826)	+	-	Wam	Xt	2,5	P Oligophagous, Verbascum
Shargacucullia lychnitis (RAMBUR, 1833)	+	-	Eua	Mt	2,5,11	P Oligophagous, Verbascum
Calophasia lunula (HUFNAGEL, 1766)	+	-	Hol	Xt	1,2,5,11	P Oligophagous, Verbascum
Lamprosticta culta (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Wam	T	10,11	L;M
Asteroscopus sphinx (HUFNAGEL, 1766)	+	-	Eua	M	6,7,11	D
Pyramidcampa pyramidea (LINNAEUS, 1758)	+	-	Eua	M	1,5,7,11	D
Pyramidcampa berbera swenssoni (FLETCHER, 1968)	-	+	Wam	M	1,5,7,11	D
Pyramidcampa perflua (FABRICIUS, 1787)	-	+	Eua	M	7,8,11	D
Amphipyra tragopoginis (CLERCK, 1759)	+	+	Hol	M	11	P
DILOBINAE						
Diloba caerulaeocephala (LINNAEUS, 1758)	+	-	Eua	Mt	6,7,11	Dq
HELIOTHINAE						
Heliothis viriplaca viriplaca (HUFNAGEL, 1766)	+	-	Eua	T	1,2,4,5,11	P
Heliothis peltigera (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Pstr	T	1,2,5,11	P
Protoschinia scutosa (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Hol	Xt	1,2,5,11	P
Pyrrhia umbra (HUFNAGEL, 1766)	+	-	Hol	M	1,2,4,5,11	P

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
IPIMORPHINAE						
Elaphria venustula (HÜBNER, 1790)	+	-	Eua	Mt	1,2,3,10,11	P
Panemeria tenebrata (SCOPOLI, 1763)	+	-	Pm	Mt	1,2	P
Caradrina morpheus (HUFNAGEL, 1766)	+	-	Eua	Mh	1,2,4	P
Platypterigea kadenii (FREYER, 1836)	+	-	Wam	Xt	1,2,4,5	P
Paradrina clavipalpis (SCOPOLI, 1763)	+	+	Eua	Mt	1,2,4,11	P
Hoplodrina blanda (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	1,2,4,11	P
Hoplodrina ambigua (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Wam	Mt	1,2,4,11	P
Atypha pulmonaris (ESPER, 1790)	+	-	Wam	Mth	1,2,4,11	P
Atethis gluteosa (TREITSCHKE, 1835)	+	-	Eua	Xt	1,2,11	P
Dypterigia scabriuscula (LINNAEUS, 1758)	-	+	E.Was	Mh	1,5,11	P
Rusina ferruginea (ESPER, 1785)	+	+	Eua	M	1,2,5,11	P
Polyphaenis sericata (ESPER, 1787)	+	-	Wam	Xt	5,7,11	P
Thalpophila matura (HUFNAGEL, 1766)	+	+	Wam	M	6,7,8,11	P
Trachea atriplicis (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,11	P
Phlogophora meticulosa (LINNAEUS, 1758)	+	+	Wam	M	7,8,11	P
Phlogophora scita (HÜBNER, 1790)	+	+	Wam	Mh	7,8,11	P
Actinotia polyodon (CLERCK, 1759)	+	-	Eua	Mt	1,2,11	P
Mesogona acetosellae (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	Xt	1,5,11	P
Mesogona oxalina (HÜBNER, 1803)	-	+	Eua	Mh	7,10,11	D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Cosmia affinis (LINNAEUS, 1767)	+	-	Eua	Mth	1,2,5,6,11	Dq
Cosmia pyralina (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mh	10,11	D
Cosmia trapezina (LINNAEUS, 1758)	+	+	Wam	M	6,7,10,11	Dq
Xanthia togata (ESPER, 1788)	-	+	Hol	Mh	10,11	D
Xanthia aurago (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	7,11	D
Xanthia icterita (HUFNAGEL, 1766)	-	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
Xanthia ocellaris (BORKHAUSEN, 1792)	+	+	Wam	Mh	10,11	D Oligophagous, Salicaceae
Xanthia citrago (LINNAEUS, 1758)	+	-	Wam	Mth	10,11	D Oligophagous, Tilia
Agrochola circellaris (HUFNAGEL, 1767)	-	+	Eua	M	10,11	D
Agrochola lota (CLERCK, 1759)	+	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
Agrochola nitida (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	M	6,7,11	S;P
Agrochola litura (LINNAEUS, 1758)	+	-	Wam	Mh	10,11	D;P
Agrochola laevis (HÜBNER, 1803)	+	-	Wam	T	6,11	Dq
Eupsilia transversa (HUFNAGEL, 1766)	+	+	Eua	M	6,7,8,11	D
Jodia croceago (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Mt	6,11	Q Oligophagous, Quercus

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Conistra vaccinii (LINNAEUS, 1761)	+	+	Eua	M	6,7,11	D
Conistra rubiginosa (SCOPOLI, 1763)	+	+	Wam	Mt	6,7,11	D
Conistra rubiginea (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	M	6,7,11	Dq
Conistra erythrocephala (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Wam	Mt	6,7,11	Dq
Brachylomia viminalis (FABRICIUS, 1777)	-	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
Lithophane ornitopus (HUFNAGEL, 1766)	+	+	Eua	M	6,7,8,11	Dq
Xylena vetusta (HÜBNER, 1813)	+	-	Eua	Mh	6,7,11	P
Valeria oleagina (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Mxt	6,7,11	S
Dichonia convergens (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Xt	6,11	Q Oligophagous, Quercus
Dichonia aeruginea (LINNAEUS, 1808)	+	-	Wam	Xt	6,11	Q Oligophagous, Quercus
Blepharita satura (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	M	6,7,10,11	P
Apamea monoglypha (HUFNAGEL, 1766)	+	+	Eua	M	1,2,4,5,11	R(G)
Apamea lithoxilea (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	Mt	2,5	R(G)
Apamea crenata (HUFNAGEL, 1766)	-	+	Eua	M	1,4,7,8,11	R(G)
Apamea remissa (HÜBNER, 1809)	-	+	Eua	Mh	4,5,10	P
Apamea anceps (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	1,4,5,11	G
Apamea sordens (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	M	1,2,7,8,11	G

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Apamea scolopacina (ESPER, 1788)	-	+	Eua	M	1,7,11	G
Oligia strigilis (LINNAEUS, 1758)	+	+	Eua	M	1,2,3,4,11	G Oligophagous, Poaceae
Mesapamea secalis (LINNAEUS, 1758)	+	+	Eua	M	1,2,3,4,10	G
Amphipoea oculea nictitans (LINNAEUS, 1767)	-	+	Eua	M	3,4	R(G)
Charanycha trigrammica (HUFNAGEL, 1766)	+	+	Wam	M	1,2,4,11	P;G
HADENINAE						
Discestra trifolii (HUFNAGEL, 1766)	+	+	Hol	M	1,2,4,11	P
Lacanobia w-latinum (HUFNAGEL, 1766)	+	-	Eua	M	1,2,4	P
Lacanobia oleracea (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,11	P
Lacanobia thalassina (HUFNAGEL, 1766)	-	+	Eua	Mh	5,11	P
Lacanobia suasa (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	Mh	1,3,4,5,11	P
Lacanobia contigua (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	1,2,4,11	P
Hada nana (HUFNAGEL, 1766)	-	+	Eua	M	4,11	P
Hadena luteago (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Wam	Mxt	1,2,5	P Oligophagous, Caryophyllaceae
Aneda rivularis (FABRICIUS, 1775)	+	-	Eua	M	1,2,4,5,11	P Oligophagous, Caryophyllaceae
Heliophobus reticulatus (GOEZE, 1781)	+	+	Eua	Mx	1,2,4,5,11	P
Melanchra persicariae (LINNAEUS, 1761)	+	+	Eua	M	1,2,4,5,11	P
Mamestra brassicae (LINNAEUS, 1758)	+	+	Eua	M	1,2,3,4,11	P
Polia bombycina (HUFNAGEL, 1766)	+	-	Eua	M	1,4,8,6,11	P;D

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Polia tricoma (HUFNAGEL, 1766)	-	+	Eua	Mh	7,8,11	D;E
Polia nebulosa (HUFNAGEL, 1766)	-	+	Eua	M	7,8,11	D;P
Mythimna turca (LINNAEUS, 1761)	-	+	Eua	Mh	1,3,4,10,11	G
Mythimna conigera (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	Mh	1,3,4,10,11	G;P
Mythimna albipuncta (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Wam	M	1,2,4,11	P
Mythimna vitellina (HÜBNER, 1808)	+	+	Wam	Xt	1,2,4,11	P
Mythimna pallens (LINNAEUS, 1758)	+	+	Eua	Mh	1,3,10,11	P
Mythimna l-album (LINNAEUS, 1767)	+	+	Eua	M	7,10,11	G
Orthosia incerta incerta (HUFNAGEL, 1766)	+	+	Eua	M	6,7,10,11	D
Othosia gothica (LINNAEUS, 1758)	+	+	Eua	M	6,7,11	Dq
Orthosia cruda (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Wam	M	6,7,11	Dq
Orthosia miniosa (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	M	6,7,11	Dq
Orthosia cerasi (FABRICIUS, 1775)	+	+	Eua	M	6,7,11	D
Orthosia munda (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	6,7,8,10,11	Dq
Egira conspicillaris (LINNAEUS, 1758)	+	-	Wam	M	1,2,4,11	P
Cerapteryx gramminis (LINNAEUS, 1758)	-	+	Hol	Mh	4,11	R(G)
Tholera cespitis (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	M	1,2,4,11	R(G)
Neuronia decimalis (PODA, 1761)	+	+	Eua	M	1,4,11	R(G)
NOCTUINAE						
Axylia putris (LINNAEUS, 1761)	+	-	Eua	M	1,2,5,10,11	P;G
Ochropleura plecta (LINNAEUS, 1761)	+	+	Hol	M	1,2,4,5,11	P
Diarsia mendica mendica (FABRICIUS, 1775)	-	+	Hol	M	7,8,9,11	P;E

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Diarsia brunnea brunnea (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Hol	M	8,9,11	E
Noctua pronuba (LINNAEUS, 1758)	+	+	Eua	M	4,11	P;G
Noctua interposita (HÜBNER, 1790)	+	-	Med.-As	M	2,5	P
Noctua fimbriata (SCHREBER, 1759)	+	+	Wam	M	1,2,4,5,11	P;D
Noctua janthina (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Med.-As	Mt	1,2,5	P
Eugraphe sigma (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	M	1,5,11	P
Xestia c-nigrum (LINNAEUS, 1758)	+	+	Cosm	M,Eu	1,2,3,4,5,7,8,10, 11	P
Xestia ditrapezium (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Eua	M	6,7,11	P
Xestia triangulum (HUFNAGEL, 1766)	+	-	Eua	M	1,2,4,11	P
Xestia baja (DENIS & SCHIFFERMÜLLER, 1775)	-	-	Eua	M	4,5,7,10,11	P
Cerastis rubricosa (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	5,7,8,10,11	P
Anaplectoides prasina (DENIS & SCHIFFERMÜLLER, 1775)	-	+	Hol	M	7,8,9,10,11	S;E
Peridroma saucia (HÜBNER, 1808)	+	-	Cosm	M	1,2,4,5,10,11	P
Euxoa obelisca (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mxt	1,2,4,5,10,11	R(G)
Euxoa nigricans (LINNAEUS, 1761)	+	-	Eua	M	1,4,5,11	R (P,G)
Euxoa aquilina (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mxt	1,2,5,11	R (P,G)
Agrotis cinerea (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mxt	1,2,4	R(P,G)
Agrotis exclamationis (LINNAEUS, 1758)	+	+	Pal	M,Eu	1,2,3,4,11	R(P,G)
Agrotis segetum (DENIS & SCHIFFERMÜLLER, 1775)	+	+	Eua	M	1,2,4,11	R(P,G)

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Agrotis ipsilon (HUFNAGEL, 1766)	+	+	Kosm	M,Eu	1,2,3,4,11	R(P,G)
Agrotis clavis (HUFNAGEL, 1766)	+	-	Eua	M	4,5,11	R(G,P)
PANTHEINAE						
Colocasia coryli (LINNAEUS, 1758)	+	+	Eua	M	6,7,10,11	D
LYMANTRIIDAE						
Orgyia antiqua (LINNAEUS, 1758)	-	+	Hol	M	7,8,11	D
Calliteara pudibunda (LINNAEUS, 1758)	+	+	Eua	M	7,8,11	D
Euproctis chrysorrhoea (LINNAEUS, 1758)	+	-	Eua	M	7,8,10,11	D
Leucoma salicis (LINNAEUS, 1758)	+	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
Arctornis l-nigrum (O.F.MÜLLER, 1764)	+	+	Eua	M	7,8,11	D
Lymantria monacha (LINNAEUS, 1758)	-	+	Eua	M	8,9	Dc,D
Lymantria dispar dispar (LINNAEUS, 1758)	+	+	Hol	M	6,7,8	Dq
NOLIDAE						
Meganola strigula (DENIS & SCHIFFERMÜLLER, 1775)	+	-	Eua	Mt	6, 7, 11	Dq
Nola cucullatella (LINNAEUS, 1758)	+	+	Eua	Mx	1,2,6,7,11	S
Nycteola revayana (SCOPOLI, 1772)	+	+	Wam	Mt	6,7,11	Dq

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Earias clorana (LINNAEUS, 1761)	+	+	Eua	Mh	10,11	D Oligophagous, Salicaceae
Bena prasinana (LINNAEUS, 1758)	+	+	Wam	Mt	6,7,11	Dq
Pseudoips fagana (FABRICIUS, 1781)	+	+	Eua	M	6,7,10,11	D
ARCTIIDAE						
LITHOSIINAE						
Miltochrysta miniata (FORSTER, 1771)	+	+	Eua	M	7,8,11	D
Atolmis rubricollis (LINNAEUS, 1758)	+	+	Eua	M	7,8,10,11	L
Cybosia mesomella (LINNAEUS, 1758)	+	+	Eua	Ht	3,4,10,11	L
Pelosia muscerda (HUFNAGEL, 1766)	+	-	Eua	Mh	10,11	L
Eilema sororcula (HUFNAGEL, 1766)	+	+	Eua	Mh	5,7,8,11	L
Eilema complana (LINNAEUS, 1758)	+	+	Eua	Mt	1,4,5,7,8,11	L
Eilema lurideola (ZINCKEN, 1817)	+	+	Eua	Mt	1,4,5,7,8,11	L
Eilema deplana (ESPER, 1787)	+	-	Eua	M	5,7,8,11	L
Lithosia quadra (LINNAEUS, 1758)	+	+	Eua	M	5,6,10,11	L
ARCTIINAE						
Spiris striata striata (LINNAEUS, 1758)	+	-	Eua	Xt	1,2,5	L
Parasemia plantaginis carpathica DANIEL, 1939	-	+	Eua	Mh	4,10,11	P

Taxa	Locality		G.s.	E.e.	Ecosystems	L.f.
	L	S				
Arctia caja caja (LINNAEUS, 1758)	+	+	Eua	M	4,5,7,11	P
Arctia villica villica (LINNAEUS, 1758)	+	+	E.Was	M	1,2,4,5,7,11	P
Diacrisia sannio sannio (LINNAEUS, 1758)	+	+	E.Was	M	1,2,4,5,7,11	P
Diacrisia sannio sannio (LINNAEUS, 1758)	+	+	Eua	Mh	1,3,4,10,11	P
Spilosoma lubricipeda (LINNAEUS, 1758)	+	+	Eua	M	1,2,4,11	P;S
Spilosoma luteum luteum (HUFNAGEL, 1766)	+	+	Eua	M	1,4,5,11	P;S
Spilosoma urticae (ESPER, 1789)	-	+	Eua	M	1,7,10,11	P
Diaphora mendica (CLERCK, 1759)	+	+	Eua	M	1,3,4,10,11	P
Phragmatobia fuliginosa (LINNAEUS, 1758)	+	+	Eua	M	1,4,7,11	P
Phragmatobia caesarea (GOEZE, 1781)	+	+	Eua	M	11	P
Euplagia quadripunctaria (PODA, 1761)	+	+	Eua	M	4,5,10,11	P
Callimorpha dominula (LINNAEUS, 1758)	+	+	Wam	Mh	4,10,11	P;S
Syntomis phegea danieli OBRAZTSOV, 1966	+	+	Eua	M	6,10,11	P
Dysauxes ancilla (LINNAEUS, 1767)	+	-	Wam	Mt	5,11	L

Abbreviation: G.s. – Geographical spreading: Eua- Euroasiatic; Hol- Holarctic; Pal- Palaearctic; V. Pal.- West Palaearctic;Wam- Westasiatic-mediterranean; E.Was- Euro-Westasiatic; Med- Mediterranean; Pm- Ponto-mediterranean; Am- Atlanto-mediterranean; Med-As.- Mediterranean-Asiatic; E- European; Cosm- Cosmopolite E.e- Ecological exigences: M- Mesophylous species; Mh- Mesohigrophylous species; Mx- Mesoxerophylous species; Mt- Mesothermophylous species; Mxt- Mesoxerothermophylous species; Xt- Xerothermophylous (Xeromontane) species; T- Thermophylous species; Hg- Higrophylous; Ecosystems: 1. Mesophylous hillocky grasslands; 2. Xerothermophylous hillocky grasslands; 3. Higrophylous hillocky grasslands; 4. Mesophylous montan grasslands; 5. Rocks; 6. Oak Forests; 7. Beech Forests; 8. Mixed Forests; 9. Spruce forests; 10. Meadow forests; 11. Shrubs. L.f.- Larval food: D- Defoliators; Q- Defoliators on Quercus species; S- Shrub eaters; P- Herbaceous plant eaters (Dycotiledoneae); G- Gramineous eaters (Poaceae); L- Lichen, moos eaters; R- Root eaters (after RÁKOSY 1995, 1996, MIHUT 2000)

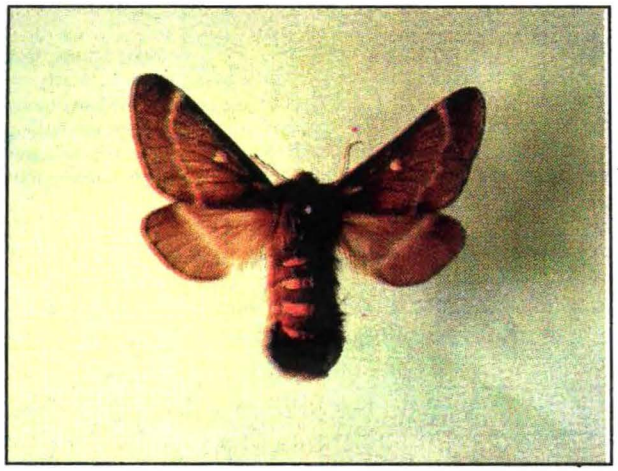

Fig. 1.
Eriogaster lanestris (Linnaeus, 1758)

Fig. 2.
Proserpinus proserpina (Pallas, 1772)

Fig. 3.
Catocala puerpera (Giorna, 1791)

Fig. 4.
Eilicrinia cordiaria (Hübner, 1792)

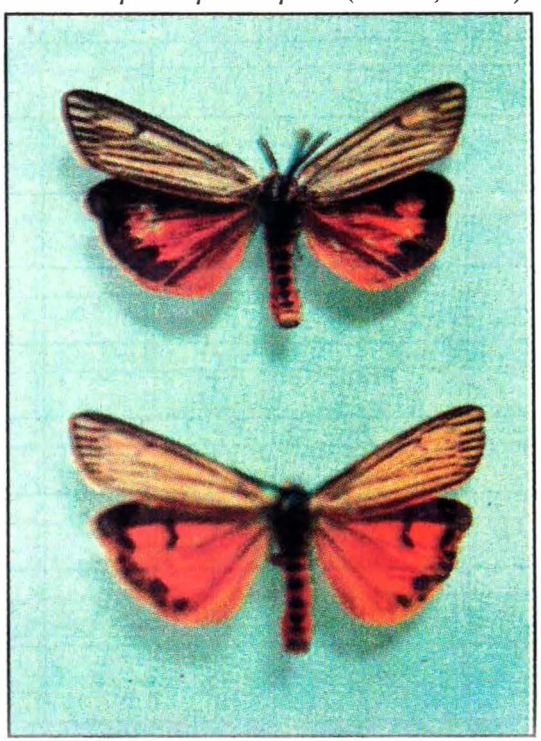

Fig. 5.
Spiris striata (Linnaeus, 1758)

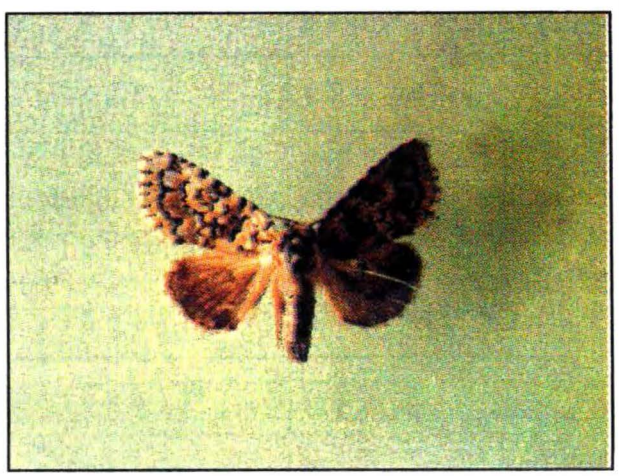

Fig. 5.
Cryphia muralis (Forster, 1771)

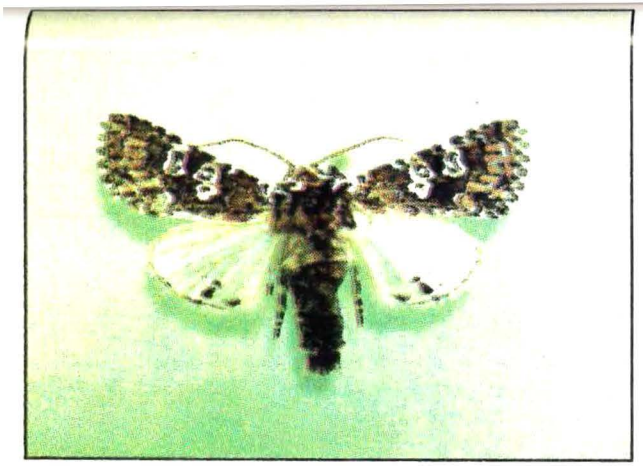

Fig. 8.
Lamprosticta culta (Denis&Schiffermüler, 1775)

Fig. 7.
Cucullia asteris (Denis&Schiffermüler, 1775)

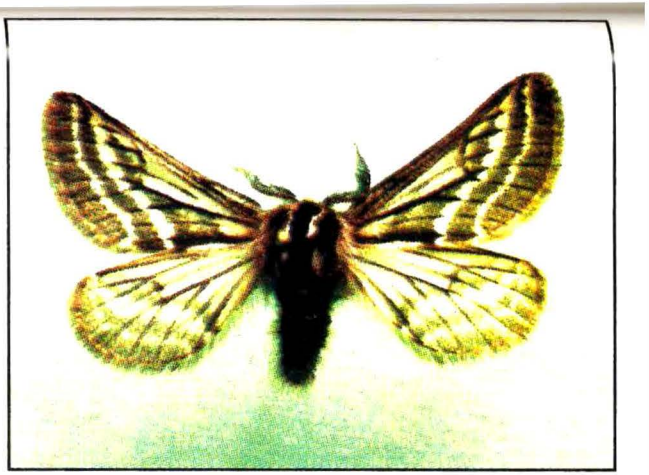

Fig. 9.
Lycia zonaria (Denis&Schiffermüler, 1775)

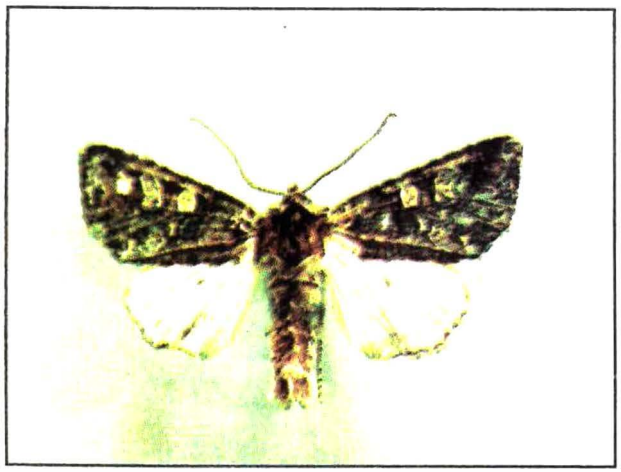

Fig. 10.
Dichonia aeruginea (Hübner, 1808)

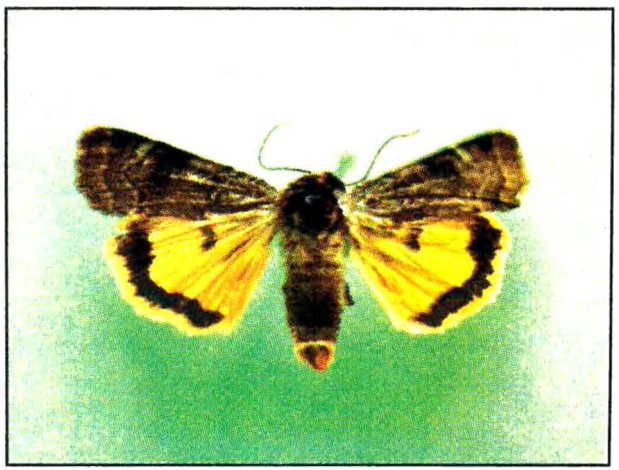

Fig. 11.
Noctua interposita (Hübner, 1789)

Foto: ***Eugen Pescaru***