

THE MACROLEPIDOPTERA (INSECTA) OF CENTRAL DOBROGEA (ROMANIA)

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Abstract. This study is a synthesis of the current knowledge regarding the Macrolepidoptera fauna from Central Dobrogea (south-eastern Romania) and it is based on the research done in the area since 2007. Most of the collecting has been done on salt steppes around the large lakes (sea lagoons) Razim (Razelm) and Sinoe (Histria, Plopu-Sarinasuf), but also in forested areas and rocky hills (Babadag Forest, Cheile Dobrogei, Gura Dobrogei, Cetatea Enisala etc.) from Central Dobrogea. The most remarkable results were obtained in the salt steppes (which have been very little studied before). From these areas, due to the research done in the last three years, three species of Noctuidae were published as new records for Romania: *Cucullia argentina* (Fabricius, 1787), *Tarachidia candefacta* (Hübner, [1831]) and *Leucania punctosa* (Treitschke, 1825). Furthermore, there have been found numerous very local and very rare species, which had previously been known in Romania based on very few individuals such as: *Phyllodesma ilicifolia* (Linnaeus, 1758), *Hyles hippophaes* (Esper, 1793), *Dasycosa modesta* (Staudinger, 1879), *Megaspilates mundataria* (Stoll, 1782), *Idaea sericeata* (Hübner, 1813), *Paradrymonia vittata bulgarica* de Freina, 1983, *Grammodes bifasciata* (Petagna, 1787), *Symira dentinosa* Freyer, 1839, *Episema lederi* Christoph, 1885, *Saragossa siccanorum* (Staudinger, 1870), *Cardepija hartigi* (Parenzan, 1981), *Polia cherrug* Rákósy & Wieser, 1997, *Chersotis laeta macini* Rákósy, Stangelmeier & Wieser, 1996, *Chersotis fimbriola niculescui* Rákósy, 1997, *Diachrysia chryson deltaica* Rákósy, 1996, *Euxoa cos* (Hübner, [1808]), *Parocneria terebinthi* (Freyer, 1838) etc. The species protected by Romanian and EU laws are commented. A total of 697 species of Macrolepidoptera from Central Dobrogea are listed. Ten species are new records for the fauna of Dobrogea and 237 species have been not reported previously in this geographical area.

Résumé. Cette étude est une synthèse des connaissances actuelles en ce qui concerne la faune des macrolépidoptères du centre de Dobrogea (sud-est de la Roumanie) et est basée sur la recherche effectuée dans la région depuis 2007-2012. La plupart de la collection a été fait dans les steppes de sel autour des grands lacs (des lagunes marines) de Dobrogea, Razim (Razelm) et Sinoe (Histria, Plopu-Sarinasuf), mais aussi dans les zones boisées et de collines rocheuses (Forêt Babadag, Défilés de la Dobrogea, Gura Dobrogei, Fortification Enisala etc.) du centre de Dobrogea. Les résultats les plus remarquables ont été obtenus dans les steppes salées (qui ont été très peu étudié avant). En raison de la recherche effectuée dans les trois dernières années dans ces zones, trois espèces nouvelles de Noctuidae pour Roumanie ont été publiées: *Cucullia argentina* (Fabricius, 1787), *Tarachidia candefacta* (Hübner, [1831]) et *Leucania punctosa* (Treitschke, 1825). En outre, on a trouvé de nombreuses espèces locales et très rare, qui avait été précédemment connu en Roumanie sur la base de très peu d'individus, tels que: *Phyllodesma ilicifolia* (Linnaeus, 1758), *Hyles hippophaes* (Esper, 1793), *Dasycosa modesta* (Staudinger, 1879), *Megaspilates mundataria* (Stoll, 1782), *Idaea sericeata* (Hübner, 1813), *Paradrymonia vittata bulgarica* de Freina, 1983, *Grammodes bifasciata* (Petagna, 1787), *Symira dentinosa* Freyer, 1839, *Episema lederi* Christoph, 1885, *Saragossa siccanorum* (Staudinger, 1870), *Cardepija hartigi* (Parenzan, 1981), *Polia cherrug* Rákósy & Wieser, 1997, *Chersotis laeta macini* Rákósy, Stangelmeier & Wieser, 1996, *Chersotis fimbriola niculescui* Rákósy, 1997, *Diachrysia chryson deltaica* Rákósy, 1996, *Euxoa cos* (Hübner, [1808]), *Parocneria terebinthi* (Freyer, 1838) etc. On commente les espèces protégées par Roumanie et les lois de l'UE. Un total de 697 espèces de macrolépidoptères du centre de Dobrogea sont énumérées. Dix espèces sont nouvelles pour la faune de Dobrogea et 237 espèces n'ont été pas précédemment rapportées dans cette zone géographique.

Key words: Insecta, Macrolepidoptera, faunistics, conservation, Central Dobrogea, Romania.

INTRODUCTION

Nowadays Dobrogea represents probably the most studied territory of Romania from a lepidopterological point of view. With approximately 1000 species of Macrolepidoptera recorded, this province has an outstanding importance in the Romanian, and also European fauna. The diversity and richness of the fauna of Dobrogea is primarily determined by its geographical position, since this region represents the northernmost range of numerous Balkan species and the western limit of numerous species characteristic to the Asian steppes. 150 years passed since the first lepidopterological research carried out in Dobrogea by the lepidopterologist Josef Mann from Vienna (Mann, 1866). Since then, many Romanian lepidopterists have focused a part of their research on this territory. However, most previously published work refers to Southern Dobrogea (Hagieni and Canaraua Fetii) (Popescu-Gorj & Drăghia, 1966, 1967; Rákósy & Székely, 1996) and to the northern territories of Dobrogea, such as the surroundings of Tulcea (Mann, 1866; Popescu-Gorj, 1976) and the Măcin Mountains (Rákósy & Wieser, 2000).

This work is a synthesis of the present knowledge of the Macrolepidoptera fauna from Central Dobrogea and is based on the collecting that has been done since 2007, which has been focused on salt steppes around the large lakes (sea lagoons) Razim (Razelm) and Sinoe of Central Dobrogea (Histria, Plopu-Sarinasuf) but also in forested areas and rocky hills (Babadag Forest, Cheile Dobrogei, Gura Dobrogei, Cetatea Enisala etc.).

The most remarkable results were obtained in the salt steppes (which have been very little studied before). From these areas, due to the research done in the last three years, three new species of Noctuidae for Romania were published: *Cucullia argentina* (Fabricius, 1787), *Tarachidia candefacta* (Hübner, [1831]) and *Leucania punctosa* (Treitschke, 1825) (Székely & Dincă, 2009; Székely, Dincă & Juhász, 2011; Székely & Dincă, in press). Furthermore, there have been found numerous very local and very rare species, which had previously been known in Romania based on very few individuals, such as: *Phyllodesma ilicifolia* (Linnaeus, 1758), *Hyles hippophaes* (Esper, 1793), *Dasycosa modesta* (Staudinger, 1879), *Megaspilates mundataria* (Stoll, 1782), *Idaea sericeata* (Hübner, 1813), *Paradrymonia vittata bulgarica* de Freina, 1983, *Grammodes bifasciata* (Petagna, 1787), *Symira dentinosa* Freyer, 1839, *Episema lederi* Christoph, 1885, *Saragossa siccanorum* (Staudinger, 1870), *Cardepija hartigi* (Parenzan, 1981), *Polia cherrug* Rákósy & Wieser, 1997, *Chersotis laeta macini* Rákósy, Stangelmeier & Wieser, 1996, *Chersotis fimbriola niculescui* Rákósy, 1997, *Diachrysia chryson deltaica* Rákósy, 1996, *Euxoa cos* (Hübner, [1808]), *Parocneria terebinthi* (Freyer, 1838) etc.

The species protected by Romanian and EU laws are commented as well, including *Catopta thrips* (Hübner, 1818) (listed in Annex 2/ Habitats Directive), found recently in the steppes near Babadag. The work also comprises proposals for conservation measures of the habitats and Lepidoptera species from Central Dobrogea.

MATERIAL AND METHODS

The data presented in this study were obtained based on 22 collecting expeditions since 2007, to some of which Gy. Szabó, S. Stanciu, R. Görbe, I. Nagy (Romania) and I. Juhász, T. Hác, K. Székely, P. Marosi, P. Gyulai, A. Garai (Hungary) also took part: 22-28.VIII.2007 (Székely & Juhász), 26-27.V.2008 (Juhász), 23-24.VII.2008 (Juhász), 23-27.VIII.2008 (Székely & Juhász), 17-19.X.2008

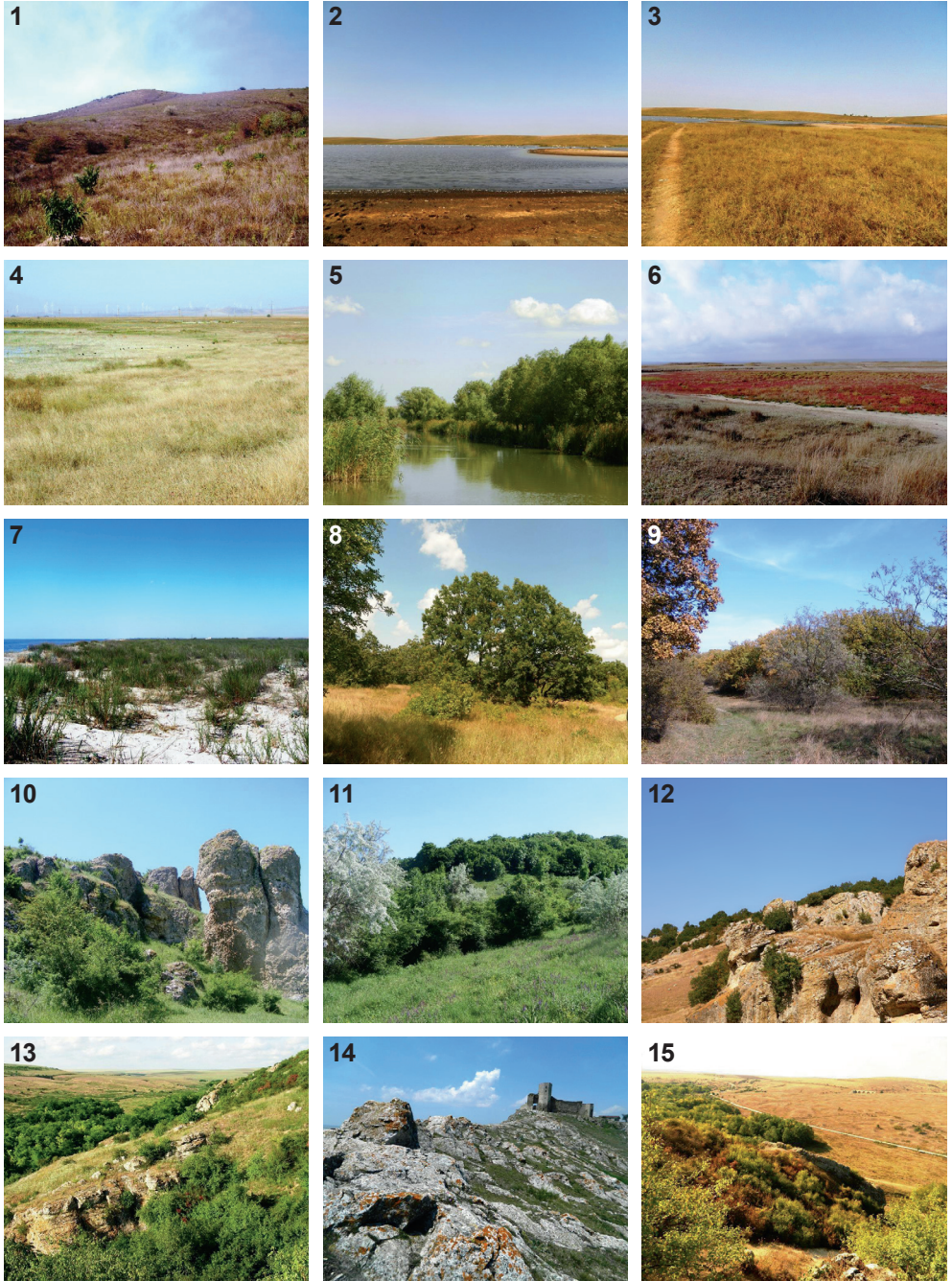


Plate 1 - 1, Beştepe, 23.VIII.2007; 2-3, Murighiol, 26.IX.2011; 4-5, Plopu-Sarinasuf, 30.VIII.2011; 6, Histria, 24.X.2009; 7, Grindul Chituc, 22.VII.2009; 8, Babadag, 27.VIII.2011; 9, Babadag, 26.X.2009; 10-11, Cheile Dobrogei, 27.V.2011; 12, Cheile Dobrogei, 27.VIII.2011; 13, Gura Dobrogei, 5.VI.2008; 14, Cetatea Enisala, 14.VI.2012; 15, Gura Dobrogei, 27.IX.2011. (Photos: L. Székely, 1-12, 14-15; V. Dincă, 13).

(Székely, Szabó & Görbe), 19-20.V.2009 (Juhász), 31.V.-1.VI.2009 (Juhász), 19-23.VI.2009 (Székely & Görbe), 19-22.VII.2009 (Székely, Stanciu & Görbe), 5-6.VIII.2009 (Juhász), 26-30.VIII.2009 (Székely), 24-27.IX.2009 (Székely & Szabó), 23-26.X.2009 (Székely & Görbe), 27-30.V.2010 (Székely & Görbe), 14-18.VIII.2010 (Székely, Stanciu & Görbe), 1-3.X.2010 (Székely & Nagy), 29.IV.-1.V.2011 (Székely & Nagy), 23-30.V.2011 (Székely, Juhász, Hác, Székely K. & Marosi), 25-31.VIII.2011 (Székely & Hác), 23-27.IX.2011 (Székely & Nagy), 28-29.IV.2012 (Székely, Rákossy & Kocs), 12-16.VI.2012 (Székely, Gyulai & Garai) (Plate 1).

The diurnal collecting was done with the insect net, while the nocturnal species were captured by using a 125 W mercury vapor bulb placed in front of a white sheet. In addition, three to seven portable light traps with 8W white and black light tubes were used during each collecting event.

The main collecting sites are presented in figure 1 and table 1. Occasionally, collecting was done at Ciucurova (one single night on August 22, 2007), and also at Cetatea Enisala, Visterna, Tariverde, Grindul Lupilor, Agighiol etc.

Current published data on the Lepidoptera of Central Dobrogea are scarce. During the last two decades, collecting has been done by numerous Romanian entomologists such as L. Rákossy, S. & Z. Kovács, M. Stănescu, D. M. Ruști, M. Skolka, V. Dincă, H. Neumann and by several foreign lepidopterists such as: P. Haneschlager, H. Seylhofer (Austria), M. Wedelin (Sweden), J. Kaitila (Finland) etc. The only area where relatively recent and more intensive Lepidoptera research (1990-2000) has been done is the Babadag Forest (Rákossy & Wieser, 2000; Dincă & Vila, 2008; Dincă et al., 2009; Dincă, 2010). This research on the Babadag area is included in this work with author references. In addition, older data published before



Fig. 1 - A, Location of the studied area in the Romanian territory; B, Map of localities investigated for this study in the period 2007- 2011 (numbers correspond to the localities in table 1).

Table 1

Localities investigated in the period 2007-2011, with geographical coordinates (Plate 1)
(numbers correspond to the localities in figure 1 B).

Number	Locality	County	Lat. N.	Long. E.
1	Beștepe - Mahmudia	Tulcea	45°08'	29°08'
2	Murighiol - Halmyris	Tulcea	45°03'	29°17'
3	Popu - Sarinasuf	Tulcea	45°01'	29°10'
4	Babadag (Babadag Forest)	Tulcea	44°53'	28°42'
5	Histria (Cetatea Histria)	Constanța	44°32'	28°45'
6	Grindul Chituc	Constanța	44°28'	28°48'
7	Cheile Dobrogei	Constanța	44°30'	28°25'
8	Gura Dobrogei	Constanța	44°28'	28°31'
9	Năvodari	Constanța	44°10'	28°38'

1980 were included, as well as a lot of data from the very old publication of Josef Mann (Mann, 1866). Many of these are only historical data nowadays, especially some species recorded by Mann, which cannot be found on the territory of the present day Dobrogea.

The most valuable results come from the salt steppes and salt marshes surrounding the large lakes from Eastern Dobrogea (Razelm and Sinoe Lakes). The collecting work that started in 2007 and has continued every year since then, revealed the importance of these areas. Even though during daylight these areas seem to be barren with only a few, usually common, butterfly species, the night-collecting brought about numerous important records of some species for the first time in the Romanian fauna, many of them of great faunistical and zoogeographical importance, especially those referring to taxa reaching in Dobrogea the westernmost limit of their distribution in Europe. A great amount of these data has already been published (Székely & Dincă, 2009) and synthesized in a work which deals with the fauna of these steppes (Székely, Dincă & Juhász, 2011).

RESULTS

There are 697 species listed in this work. Very old data are included, from the 19th century (Mann, 1866; Fleck, 1899). The only place seriously investigated in the past is Babadag Forest (Rákósy & Wieser, 2000), but for this area several species are reported for the first time. Most localities have not been investigated previously in terms of Lepidoptera fauna eg.: Histria, Popu-Sarinasuf, Cheile Dobrogei, Gura Dobrogei, Cetatea Țisala. A total of 237 species have been not reported previously in this geographical area.

The source of the systematic order is Karlsholt & Razowsky, 1996; Rákósy, Goia & Kovács, 2003 and Kljuchko, 2006 (for Erebidae and Noctuidae).

Abbreviations:

*- older records (1927-1976)

** - very old records (19th century: 1866-1899)

*** - doubtful records (requiring reconfirmation)

♂ = male; ♀ = female; spec. (s) = specimen (s); (R) = rare (1-5 specimens/collecting day or night); (C) = common (6-29 specimens/collecting day or night); (RC) = relatively common (oscillating between rare and common / in some years it is common in other years is rare); (VC) = very common (30-100

specimens/collecting day or night); leg = legit (collected by); Päd. = forest ("pădure" in Romanian); ex. larva = specimens in larva stage.

FAUNISTIC LIST OF MACROLEPIDOPTERA

Note: Where the collecting year is missing, the species were collected every year of the period 2007- 2011.

Family Hepialidae

Triodia sylvina (Linnaeus, 1761): Babadag, 26.VIII.2011 (1 ♂).

Triodia amasinus dobrogensis Caradja, 1932*: Agigea (Popescu-Gorj, 1979; Rákósy & Székely, 1996)

Family Limacodidae

Apoda limacodes (Hufnagel, 1766): Babadag, 21.VI.2009 (RC), Plopu, 25.VIII.2011 (1 spec.).

Heterogenea asella ([Denis & Schiffermüller], 1775)*: Babadag (Székely & Cernea, 2007).

Family Thyrididae

Thyris fenestrella (Scopoli, 1763): Babadag, 19.VII.2009 (2 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).

Family Cossidae

Cossus cossus (Linnaeus, 1758): Babadag, 19.VII.2009 (1 ♂). Other remarks: Agigea (Rákósy & Székely, 1996)

Parahypopta caestrum (Hübner, 1808): Histria, 23-31.VIII (R), Babadag, 12.VI.2012 (2 ♂♂), Cetatea Enisala, 14.VI.2012 (1 ♂). Other remarks: Babadag (Rákósy & Wieser, 2000).

Catopta (Paracossulus) thrips (Hübner, 1818): Babadag, 26.VIII.2011 (1 ♂) (Plate 2: 1). Protected species (Additional list-1).

Dyspessa ulula (Borkhausen, 1790): Babadag (C), Cheile Dobrogei (VC), Cetatea Enisala (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Dyspessa salicicola (Eversmann, 1848): Cheile Dobrogei, 29.V.2010 (1 ♂), Babadag, 30.V.2010 (7 ♂♂, 3 ♀♀) (Plate 2: 2).

Zeuzera pyrina (Linnaeus, 1761): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Phragmatecia castaneae (Hübner, 1790): Babadag (C), Murighiol (C), Histria (C), Plopu (RC), Cetatea Enisala (C). Other remarks: Babadag (Rákósy & Wieser, 2000).

Family Lasiocampidae

Malacosoma neustria (Linnaeus, 1758): Beștepe (C), Babadag (RC), Histria (R), Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000).

Malacosoma castrensis (Linnaeus, 1758): Plopu, 26.V.-13.VI. (C), Histria 22.VI.2009 (2 ♂♂, 1 ♀) leg. R. Görbe, Babadag, 21.VI.2009 (2 ♂♂), Cetatea Enisala, 14.VI.2012 (C), Cheile Dobrogei, 15.VI.2012 (C) (Plate 2: 29).

Lasiocampa trifolii ([Denis & Schiffermüller], 1775): Histria, 23-31.VIII (VC) (Székely, Dincă & Juhász, 2011).

Lasiocampa eversmanni (Eversmann, 1843): Histria, 23-31.VIII (RC) (Székely, Dincă & Juhász, 2011) (Plate 2: 3). This taxon has been first recorded in the Romanian fauna as a form of *Lasiocampa trifolii* ([Denis & Schiffermüller], 1775) (Popescu-

Gorj & Drăghia, 1968; Popescu-Gorj, 1985). More recently, it has been reported as distinct species (Székely, 2000) and has been included in the checklist of Romanian Lepidoptera (Rákósy et al., 2003) based on records coming exclusively from the Danube Delta. At Histria, we noticed that the individuals with habitus resembling that of *L. evermanni* were flying together with a high number of specimens corresponding to *L. trifolii* in appearance. Due to overlaps of intraspecific variability, discriminating between the two species is often difficult based on the morphology of the adult (Székely, Dincă & Juhász, 2011). This species is still uncertain in Romania today! Protected species (Additional list-2).

Macrothylacia rubi (Linnaeus, 1758): Babadag 19-20.VII.2009 (R).

Phyllodesma ilicifolia (Linnaeus, 1758): Babadag, 29.IV.2011 (1 ♂). *First record for Dobrogea fauna.* (Plate 2: 4). Protected species (Additional list-3).

Phyllodesma tremulifolia (Hübner, 1810): Babadag (RC), Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000).

Gastropacha quercifolia ([Denis & Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei (RC).

Gastropacha populifolia ([Denis & Schiffermüller], 1775)*: Murighiol, 10.IX.1975 (Stănescu, 2005).

Odonestis pruni (Linnaeus, 1758): Babadag (C), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Marcu & Rákósy, 2002).

Family Lemoniidae

Lemonia balcanica (Herrich-Schaffer, 1847): Histria, 27.IX.2009 (2 ♂♂), Babadag, 3.X.2010 (8 ♂♂, 2 ♀♀), 24.IX.2011 (1 ♂), Cheile Dobrogei, 4.X.2010 (1 ♂), Gura Dobrogei, 26.IX.2011 (7 ♂♂, 2 ♀♀) (Plate 2:5). Other remarks: Babadag (Căpușe, 1966). Protected species (Additional list-4).

Family Saturniidae

Saturnia pyri ([Denis & Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei (RC), Plopu, 30.IV.2011 (1 ♂). Other remarks: Babadag (Rákósy & Wieser, 2000).

Family Sphingidae

Marumba quercus ([Denis & Schiffermüller], 1775): Babadag (VC), Cheile Dobrogei (C).

Mimas tiliae (Linnaeus, 1758): Babadag (VC), Cheile Dobrogei (VC). Other remarks: Agigea (Rákósy & Székely, 1996).

Smerinthus ocellata (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (RC), Plopu, 25.VIII.2011 (2 specs).

Laothoe populi (Linnaeus, 1758): Babadag (C), Cheile Dobrogei (C), Plopu, 13.VI.2012 (2 specs). Other remarks: Agigea (Rákósy & Székely, 1996).

Agrius convolvuli (Linnaeus, 1758): Babadag, Histria, Cheile Dobrogei, Năvodari, Plopu. Common throughout the region.

Sphinx ligustri (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (RC), Gura Dobrogei, 28-29.IV.2012 (1 ♂).

Acherontia atropos (Linnaeus, 1758): Babadag (6 specs), Histria (2 specs), Cheile Dobrogei (2 specs).

Macroglossum stellatarum (Linnaeus, 1758): Babadag, Slava Rusă, Constanța, Săcele, Histria, Târgușor, Cheile Dobrogei, Tariverde, Năvodari, Plopu, Grindul Lupilor. Common throughout the region.

Daphnis nerii (Linnaeus, 1758)*: Constanța (König, 2003).

- Proserpinus proserpina* (Pallas, 1777): Histria, 21.VI.2009 (1 ♂) (Székely, Dincă & Juhász, 2011). Protected species (Additional list-5).
- Hyles euphorbiae* (Linnaeus, 1758): Babadag, Ciucurova, Histria, Cheile Dobrogei, Murighiol, Plopu, Enisala, Gura Dobrogei, Cetatea Enisala. Common throughout the region.
- Hyles galii* (Rottemburg, 1775): Plopu, 17-26.VIII.2011 (13 specs).
- Hyles hippophaes* (Esper, 1793): Babadag (RC), Histria (R), Plopu (2 specs); Cheile Dobrogei (R) (Plate 2: 6). Protected species (Additional list-6).
- Hyles livornica* (Esper, 1779): Babadag, Murighiol, Histria, Cheile Dobrogei, Plopu, Năvodari, Cetatea Enisala. Relatively common throughout the region. Other remarks: Agigea (Rákosy & Székely, 1996).
- Deilephila elpenor* (Linnaeus, 1758): Babadag, Histria, Cheile Dobrogei, Plopu (RC). Other remarks: Agigea (Rákosy & Székely, 1996). Common throughout the region.
- Deilephila porcellus* (Linnaeus, 1758): Babadag, Ciucurova, Histria, Cheile Dobrogei, Gura Dobrogei, Plopu, Năvodari, Agighiol, Cetatea Enisala. Common throughout the region. Other remarks: Agigea (Rákosy & Székely, 1996).
- Hippotion celerio* (Linnaeus, 1758)**: Constanța (Fiebig, 1927).

Family Hesperiiidae

- Erynnis tages* (Linnaeus, 1758): Babadag (C), Cheile Dobrogei, Gura Dobrogei (C), Histria (R). Other remarks: Babadag, Fântânița (Skolka, 1994); Babadag (Rákosy & Wieser, 2000; Dincă & Vila, 2008).
- Carcharodus alceae* (Esper, 1780): Babadag (RC). Other remarks: Fântânița (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).
- Carcharodus floccifera* (Zeller, 1847): Babadag (RC), Histria, 26.VIII.2008 (1 ♀). Other remarks: Babadag, Fântânița (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).
- Carcharodus orientalis* Reverdin, 1913: Slava Rusă (1 ♂); Gura Dobrogei (5 ♂♂) (Dincă, Cuvelier, Székely & Vila, 2009), Babadag (Dincă & Vila, 2008).
- Spialia orbifer* (Hübner, 1823): Babadag, Cheile Dobrogei (R). Other remarks: Fântânița, Babadag (Skolka, 1994) - under wrong name *Spialia sertorius* (Hoffmannsegg, 1804); Babadag (Rákosy & Wieser, 2000; Dincă & Vila, 2008).
- Pyrgus malvae* (Linnaeus, 1758): Babadag, Cheile Dobrogei (R). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Pyrgus armoricanus* (Oberthür, 1910): Babadag, 25-26 .IX.2011 (2 specs). Other remarks: Babadag (Dincă & Vila, 2008).
- Pyrgus sidae* (Schneider, 1792): Babadag, 24.V.2007 (Dincă & Vila, 2008). Protected species (Additional list-7).
- Heteropterus morpheus* (Pallas, 1771): Babadag (Skolka, 1994).
- Thymelicus lineola* (Ochsenheimer, 1808): Babadag (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Thymelicus acteon* (Rottemburg, 1775): Babadag (Rákosy & Wieser, 2000).
- Hesperia comma* (Linnaeus, 1758): Babadag, Cheile Dobrogei (RC). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000).
- Ochlodes sylvanus* (Esper, 1777): Babadag, Cheile Dobrogei (RC). Other remarks: Fântânița, Babadag (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).

Family Papilionidae

Zerynthia polyxena ([Denis & Schiffermüller], 1775)***: Enisala ? (M. Skolka, pers. com., based on specimens found by students); Babadag (L. Rákósy, pers. com.). Protected species (Additional list-8).

Parnassius mnemosyne wagneri Bryk, 1925: Babadag, Slava Rusă (RC). Other remarks: Babadag (Skolka, 1994; Rákósy & Wieser, 2000). Protected species (Additional list-9).

Parnassius apollo (Linnaeus, 1758)**: Ciucurova (Mann, 1866).

Iphiclides podalirius (Linnaeus, 1758): Babadag (C), Năvodari (R), Cheile Dobrogei, Gura Dobrogei, Baia (RC). Other remarks: Fântânița, Babadag (Skolka, 1994); Babadag (Rákósy & Wieser, 2000).

Papilio machaon (Linnaeus, 1758): Babadag (R), Ciucurova (R), Cheile Dobrogei (R), Năvodari (R). Other remarks: Fântânița, Histria (Skolka, 1994); Babadag (Rákósy & Wieser, 2000).

Family Pieridae

Leptidea sinapis (Linnaeus, 1758): Babadag, Slava Rusă (C). Other remarks: Babadag (Skolka, 1994; Rákósy & Wieser, 2000).

Anthocharis cardamines (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei, Gura Dobrogei (RC). Other remarks: Babadag, Fântânița (Skolka, 1994); Babadag (Rákósy & Wieser, 2000).

Eucloe ausonia (Hübner, [1804]): Babadag (1 spec.), Gura Dobrogei (5 specs) (Dincă, Cuvelier, Székely & Vila, 2009); Mahmudia-Murighiol, 27-30.IV.2009 (RC) (Székely, Dincă & Juhász, 2011); Gura Dobrogei, 28-29.IV.2012 (C). Other remarks: Fântânița (Skolka, 1994). Protected species (Additional list-10).

Aporia crataegi (Linnaeus, 1758): Babadag, Slava Rusă (RC). Other remarks: Babadag (Skolka, 1994; Rákósy & Wieser, 2000).

Pieris brassicae (Linnaeus, 1758): Babadag, Slava Rusă (RC), Murighiol (R), Plopu (R), Grindul Chituc (R), Histria (R), Năvodari (R). Other remarks: Fântânița, Constanța (Skolka, 1994); Babadag (Rákósy & Wieser, 2000).

Pieris rapae (Linnaeus, 1758): Babadag, Slava Rusă (C), Murighiol (C), Târgușor (C), Plopu (C), Grindul Chituc (C), Histria (C), Năvodari (C). Other remarks: Fântânița, Mihail Kogălniceanu, Histria (Skolka, 1994); Babadag (Rákósy & Wieser, 2000). Common throughout the region.

Pieris balcana Lorkovic 1970: Babadag, Slava Rusă (RC). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Pieris napi (Linnaeus, 1758): Babadag, Slava Rusă (C), Murighiol (C), Plopu (C), Grindul Chituc (R), Histria (R), Năvodari (R). Other remarks: Agigea, Fântânița (Skolka, 1994); Babadag (Rákósy & Wieser, 2000). Common throughout the region.

Pontia edusa (Fabricius, 1777): Babadag, Slava Rusă (C), Murighiol (C), Plopu (C), Grindul Chituc (C), Histria (C), Năvodari (C). Other remarks: Fântânița, Mihail Kogălniceanu, Constanța (Skolka, 1994); Babadag (Rákósy & Wieser, 2000). Common throughout the region.

Colias erate (Esper, 1805): Babadag (C), Slava Rusă (C), Cheile Dobrogei (C), Gura Dobrogei (C) Murighiol (C), Plopu (C), Grindul Chituc (C), Histria (C), Năvodari (C). Other remarks: Fântânița, Mihail Kogălniceanu, Constanța (Skolka, 1994); Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000). Common throughout the region.

Colias croceus (Fourcroy, 1785): Babadag (C), Slava Rusă (C), Târgușor (C), Cheile Dobrogei (C), Gura Dobrogei (C) Murighiol (C), Plopu (C), Grindul Chituc

(C), Histrìa (C), Năvodari (C). Other remarks: Fântânița, Mihail Kogălniceanu, Constanța, Mamaia (Skolka, 1994); Babadag (Rákosy & Wieser, 2000). Common throughout the region.

Colias hyale (Linnaeus, 1758): Babadag (RC). Other remarks: Constanța (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).

Colias alfacariensis Ribbe, 1905: Babadag, Slava Rusă (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Colias myrmidone (Esper, 1780)***: Fântânița (Skolka, 1994). Possible confusion with *Colias erate* form *faillae* Stef. (Popescu-Gorj, 1978).

Gonepteryx rhamni (Linnaeus, 1758): Babadag, Slava Rusă (C). Other remarks: Agigea, Fântânița (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).

Family Lycaenidae

Lycaena phlaeas (Linnaeus, 1761): Babadag, Slava Rusă (3 specs), Plopu (1 spec.). Other remarks: Agigea, Fântânița, Constanța (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).

Lycaena dispar rutila (Werneburg, 1864): Babadag (RC), Murighiol (R), Cheile Dobrogei (R), Plopu (R). Other remarks: Fântânița, Mănăstirea Saon (Skolka, 1994); Babadag (Rákosy & Wieser, 2000). Protected species (Additional list-11).

Lycaena thersamon (Esper, 1784): Plopu, 14-30.VIII. (R), Murighiol, 29.VIII.2011(R), Slava Rusă, 14.VIII.2010 (R). Other remarks: Babadag (Rákosy & Wieser, 2000).

Neozephyrus quercus (Linnaeus, 1758): Babadag, Slava Rusă (RC). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000).

Calophrys rubi (Linnaeus, 1758): Babadag, Slava Rusă (RC). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000).

Satyrìum w-album (Knoch, 1782): Slava Rusă, 21.VI.2009 (2 specs). Other remarks: Babadag (Rákosy & Wieser, 2000).

Satyrìum pruni (Linnaeus, 1758): Babadag, Slava Rusă (3 specs).

Satyrìum spini ([Denis & Schiffermüller], 1775): Babadag (R). Other remarks: Fântânița (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).

Satyrìum ilicis (Esper, 1779): Slava Rusă, 21.VI.2009 (3 specs). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000).

Leptotes pirithous (Linnaeus, 1758): Babadag, Plopu, Histrìa, 24.VIII-3.X. (R), Cheile Dobrogei, 28.VIII.2011 (2 specs). Other remarks: Smârdan, 3.VIII.2007 (Dincă, Cuvelier, Székely & Vila, 2009).

Lampides boeticus (Linnaeus, 1758): Babadag, 25.IX.2011 (1 ♂). Other remarks: Nifon, 2.VIII.2007; Smârdan, 3.VIII.2007 (Dincă, Cuvelier, Székely & Vila, 2009).

Everes (Cupido) argiades (Pallas, 1771): Babadag, Slava Rusă (R).

Everes (Cupido) alcetas (Hoffmannsegg, 1804): Plopu, 29.VIII.2009 (1 ♂) (Székely, Dincă & Juhász, 2011). Protected species (Additional list-12).

Celastrina argiolus (Linnaeus, 1758): Babadag, Cheile Dobrogei (R). Other remarks: Fântânița, (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).

Glauopsyche alexis (Poda, 1761): Cheile Dobrogei, 27-28.V.2011 (R); Gura Dobrogei, 28-29.IV.2012 (C). Other remarks: Fântânița, Constanța (Skolka, 1994); Babadag (Rákosy & Wieser, 2000; Dincă & Vila, 2008).

Maculinea arion (Linnaeus, 1758): Babadag (Skolka, 1994).

Agrodiaetus admetus (Esper, 1783)** / *Agrodiaetus ripartii* (Freyer, 1830)**: Babadag, older records from the period 1975-1980 (F. König, pers. com). Other remarks: Ciucurova (Mann, 1866).

Plebejus argus (Linnaeus, 1761): Babadag (C), Slava Rusă (C), Cheile Dobrogei (C), Târgușor (C), Gura Dobrogei (C), Murighiol (C), Plopu (C), Grindul Chituc (C), Histria (C), Năvodari (C), Cetatea Enisala, (RC). Other remarks: Babadag (Rákósy & Wieser, 2000). Common throughout the region.

Plebejus idas (Linnaeus, 1761): Agigea, Fântânița (Skolka, 1994).

Plebejus argyrognomon (Bergstrasser, 1779): Babadag (R), Slava Rusă (R), Cheile Dobrogei (R). Other remarks: Babadag, Constanța (Skolka, 1994).

Pseudophilotes schiffermülleri Hemming, 1792: Cheile Dobrogei, 27-28.V.2011 (C), Babadag, Slava Rusă (RC), Gura Dobrogei, 28-29.IV.2012 (C). Other remarks: Babadag (Skolka, 1994; Rákósy & Wieser, 2000; Dincă & Vila, 2008).

Pseudophilotes bavius (Eversmann, 1832): Gura Dobrogei, 28. IV.2010 (5 ♂♂, 2 ♀♀) (Dincă, Cuvelier & Mølgaard, 2011); Gura Dobrogei, 28-29. IV.2012 (RC) (Plate 2: 32). Protected species (Additional list-13).

Scoliantides orion lariana Fruhstorfer, 1910: Cheile Dobrogei, Gura Dobrogei, 24-30.V (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Aricia agestis ([Denis & Schiffermüller], 1775): Babadag (C), Slava Rusă (C), Cheile Dobrogei (C), Gura Dobrogei (C), Murighiol (C), Plopu (C), Grindul Chituc (RC), Histria (C), Năvodari (RC). Other remarks: Agigea, Fântânița, (Skolka, 1994); Babadag (Rákósy & Wieser, 2000; Dincă & Vila, 2008). Common throughout the region.

Aricia anteros Freyer, 1839**: Ciucurova (Mann, 1866).

Polyommatus icarus (Rottemburg, 1775): Babadag (C), Slava Rusă (C), Cheile Dobrogei (C), Gura Dobrogei (C) Murighiol (C), Plopu (C), Grindul Chituc (C), Histria (C), Năvodari (C). Other remarks: Fântânița, (Skolka, 1994); Babadag (Rákósy & Wieser, 2000; Dincă & Vila, 2008). Common throughout the region.

Polyommatus thersites (Cantener, 1834): Babadag, Slava Rusă (R). Other remarks: Fântânița, (Skolka, 1994); Babadag (Rákósy & Wieser, 2000).

Polyommatus amandus (Schneider, 1792): Babadag, 1.VI.2010 (1 ♂). Other remarks: Babadag, 24.V.2007 (1 ♂) (Dincă & Vila, 2008); Ciucurova (Mann, 1866). Protected species (Additional list-14).

Meleageria bellargus (Rottemburg, 1775): Babadag, Slava Rusă (C); Cheile Dobrogei, 27-28.V.2011 (C). Other remarks: Babadag (Dincă & Vila, 2008).

Meleageria daphnis ([Denis & Schiffermüller], 1775): Babadag, Slava Rusă (C). Other remarks: Fântânița, (Skolka, 1994); Babadag (Rákósy & Wieser, 2000).

Meleageria coridon (Poda, 1761): Babadag, Slava Rusă (C). Other remarks: Babadag (Skolka, 1994; Rákósy & Wieser, 2000).

Family Nymphalidae

Argynnis paphia (Linnaeus, 1758): Babadag (C), Slava Rusă (C), Cheile Dobrogei, (RC). Other remarks: Babadag (Skolka, 1994; Rákósy & Wieser, 2000).

Argynnis pandora ([Denis & Schiffermüller], 1775): Babadag (C), Slava Rusă (C), Târgușor, Cheile Dobrogei (C), Gura Dobrogei (C) Murighiol (C), Plopu (C), Grindul Chituc (C), Grindul Lupilor (C), Histria (C), Năvodari (C), Cetatea Enisala (C). Other remarks: Babadag (Skolka, 1994; Rákósy & Wieser, 2000). Common throughout the region.

Argynnis laodice (Pallas, 1771)**: Babadag (Fleck, 1899).

Argynnis aglaja (Linnaeus, 1758): Babadag, Slava Rusă (C), Cheile Dobrogei, (C). Other remarks: Babadag (Skolka, 1994; Rákósy & Wieser, 2000).

Argynnis adippe ([Denis & Schiffermüller], 1775): Babadag, Slava Rusă (C). Other remarks: Babadag (Skolka, 1994).

- Argynnis niobe* (Linnaeus, 1758): Slava Rusă, 21.VI.2009 (R), Babadag 31.V.-1.VI.2010 (VC). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000; Dincă & Vila, 2008).
- Issoria lathonia* (Linnaeus, 1758): Babadag (C), Slava Rusă (C), Cheile Dobrogei (C), Gura Dobrogei (C) Murighiol (C), Plopu (C), Grindul Chituc (C), Grindul Lupilor (C), Histria (C), Năvodari (C). Other remarks: Fântânița (Skolka, 1994); Babadag (Rákosy & Wieser, 2000). Common throughout the region.
- Brenthis ino* (Rottemburg, 1775): Babadag (Skolka, 1994); Slava Rusă, Babadag (Dincă, Cuvelier, Székely & Vila, 2009).
- Brenthis daphne* ([Denis & Schiffermüller], 1775): Slava Rusă, 21.VI.2009 (1 ♂, 2 ♀♀). Other remarks: Babadag (Skolka, 1994).
- Brenthis hecate* ([Denis & Schiffermüller], 1775): Slava Rusă, 21.VI.2009 (1 ♀). Other remarks: Slava Rusă (Dincă, Cuvelier, Székely & Vila, 2009).
- Clossiana selene* ([Denis & Schiffermüller], 1775): Slava Rusă, 21.VI.2009 (VC). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000).
- Clossiana dia* (Linnaeus, 1767): Babadag, Slava Rusă (C). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000).
- Euphydryas maturna* (Linnaeus, 1758)**: Ciucurova (Mann, 1866).
- Euphydryas aurinia* (Rottemburg, 1775)**: Ciucurova (Mann, 1866).
- Vanessa atalanta* (Linnaeus, 1758): Babadag, Slava Rusă (RC), Murighiol (R), Histria (R), Gura Dobrogei (RC). Other remarks: Constanța (Skolka, 1994); Babadag (Rákosy & Wieser, 2000). Common throughout the region.
- Vanessa cardui* (Linnaeus, 1758): Babadag (C), Slava Rusă (C), Cheile Dobrogei (C), Gura Dobrogei (C) Murighiol (C), Plopu (C), Grindul Chituc (C), Grindul Lupilor (C), Histria (C), Năvodari (C), Cetatea Enisala (C). Other remarks: Babadag (Rákosy & Wieser, 2000). Common throughout the region.
- Inachis io* (Linnaeus, 1758): Babadag, Slava Rusă (RC), Plopu (R), Histria (R), Cetatea Enisala (C). Other remarks: Constanța (Skolka, 1994); Babadag (Rákosy & Wieser, 2000). Common throughout the region.
- Nymphalis polychloros* (Linnaeus, 1758): Constanța (Skolka, 1994).
- Aglais urticae* (Linnaeus, 1758): Constanța (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).
- Polygonia c-album* (Linnaeus, 1758): Babadag, Slava Rusă (RC), Cheile Dobrogei (C). Other remarks: Fântânița, Constanța (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).
- Araschnia levana* (Linnaeus, 1758): Babadag, Slava Rusă (RC), Cheile Dobrogei (R). Other remarks: Fântânița (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).
- Melitaea cinxia* (Linnaeus, 1758): Babadag, Slava Rusă (RC). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000; Dincă & Vila, 2008).
- Melitaea phoebe* ([Denis & Schiffermüller], 1775): Babadag, Slava Rusă (C), Mahmudia (R), Cheile Dobrogei (RC). Other remarks: Fântânița, Valu lui Traian, (Skolka, 1994); Babadag (Rákosy & Wieser, 2000; Dincă & Vila, 2008).
- Melitaea trivia* ([Denis & Schiffermüller], 1775): Babadag, Slava Rusă (C). Other remarks: Agigea, Babadag (Skolka, 1994; Dincă & Vila, 2008).
- Melitaea didyma* ([Denis & Schiffermüller], 1775): Babadag, Slava Rusă (C). Other remarks: Fântânița (Skolka, 1994); Babadag (Rákosy & Wieser, 2000).
- Melitaea diamina* Lang, 1789**: Ciucurova (Mann, 1866).
- Melitaea britomartis* Assmann, 1847: Babadag (Rákosy & Wieser, 2000).
- Melitaea athalia* (Rottemburg, 1775): Babadag, Slava Rusă (C). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000).

Apatura metis Freyer, 1829: Gura Dobrogei, 21.VII.2009 (R); Hârşova (RC). Other remarks: Cernavodă, Hârşova (Skolka, 1994), Smârdan, 3.VIII.2007 (Dincă, Cuvelier, Székely & Vila, 2009). Protected species (Additional list-15).

Family Nymphalidae

Subfamily Satyrinae

Kirinia roxelana (Cramer, 1777): Babadag, 14.VIII.2010 (1 ♀) (Plate 2: 7). Protected species (Additional list-17).

Pararge aegeria tircis Butler, 1867: Babadag (Skolka, 1994; Rákosity & Wieser, 2000).

Lasiommata megera (Linnaeus, 1758): Babadag, Slava Rusă (C), Visterna (C), Cheile Dobrogei (C), Gura Dobrogei (C). Other remarks: Babadag (Rákosity & Wieser, 2000).

Lasiommata maera (Linnaeus, 1758): Babadag, Slava Rusă (C), Visterna (R), Cheile Dobrogei, Gura Dobrogei (C). Other remarks: Fântâniţa (Skolka, 1994); Babadag (Rákosity & Wieser, 2000).

Coenonympha arcania (Linnaeus, 1761): Babadag, Slava Rusă (C). Other remarks: Babadag (Rákosity & Wieser, 2000).

Coenonympha glycerion (Borkhausen, 1788): Babadag, Slava Rusă, Cheile Dobrogei (C). Other remarks: Babadag (Skolka, 1994; Rákosity & Wieser, 2000; Dincă & Vila, 2008).

Coenonympha pamphilus (Linnaeus, 1758): Babadag, Ciucurova, Slava Rusă, Visterna, Cheile Dobrogei, Gura Dobrogei, Târguşor, Histria, Plopu, Murighiol, Beştepe, Mahmudia. Common throughout the region. Other remarks: Fântâniţa (Skolka, 1994); Babadag (Rákosity & Wieser, 2000).

Aphantopus hiperanthus (Linnaeus, 1758): Visterna 21.VI.2009 (R), Babadag (R). Other remarks: Babadag (Skolka, 1994).

Maniola jurtina (Linnaeus, 1758): Babadag, Slava Rusă (VC), Cheile Dobrogei (C), Gura Dobrogei (C), Murighiol (C), Plopu (C), Histria (R), Năvodari (C), Cetatea Enisala (C). Other remarks: Fântâniţa (Skolka, 1994); Babadag (Rákosity & Wieser, 2000). Common throughout the region.

Erebia medusa ([Denis & Schiffermüller], 1775)**: Ciucurova (Mann, 1866).

Melanargia galathea (Linnaeus, 1758): Babadag, Slava Rusă (VC), Visterna (C), Cheile Dobrogei, Gura Dobrogei (C). Other remarks: Fântâniţa (Skolka, 1994); Babadag (Rákosity & Wieser, 2000).

Minois dryas (Scopoli, 1763): Babadag, Slava Rusă (VC), Visterna (C), Cheile Dobrogei (C), Gura Dobrogei (C). Other remarks: Fântâniţa, Babadag (Skolka, 1994); Babadag (Rákosity & Wieser, 2000).

Hipparchia fagi (Scopoli, 1763): Babadag (Skolka, 1994).

Hipparchia syriaca (Staudinger, 1871): Babadag, Slava Rusă (VC), Cetatea Enisala, 15.VI.2012 (1 spec.). Other remarks: Babadag (Dincă, Cuvelier, Székely & Vila, 2009).

Hipparchia volgensis delattini Kudrna, 1975: Cetatea Enisala, 14-15.VI.2012 (C). Other remarks: Babadag (Rákosity & Wieser, 2000).

Hipparchia semele (Linnaeus, 1758): Babadag, 21.VI.2009 (1 ♂). Other remarks: Fântâniţa (Skolka, 1994).

Hipparchia statilinus (Hufnagel, 1766): Cheile Dobrogei, 16-28.VIII (RC), Gura Dobrogei, 16.VIII-26.IX (RC). Other remarks: Babadag, Fântâniţa (Skolka, 1994).

Arethusana arethusa ([Denis & Schiffermüller], 1775): Babadag, Slava Rusă, 13-14. VIII.2010 (RC). Other remarks: Fântânița (Skolka, 1994); Babadag (Rákosy & Wieser, 2000). Protected species (Additional list-16).

Brinthesia circe (Fabricius, 1775): Babadag, Slava Rusă (VC), Visterna (R). Other remarks: Babadag (Skolka, 1994; Rákosy & Wieser, 2000).

Family Thyatiridae

Thyatira batis (Linnaeus, 1758): Babadag (R), Cheile Dobrogei (RC).

Habrosyne pyritoides (Hufnagel, 1766): Babadag (R), Cheile Dobrogei (RC).

Tethea ocularis (Linnaeus, 1767): Babadag, 21.VI.2009 (R).

Tethea or ([Denis & Schiffermüller], 1775)*: Agigea (Bobârnac & Stănoiu, 1975).

Cymatophorima diluta ([Denis & Schiffermüller], 1775): Babadag, 21.VI.2009 (R).

Polyploca ridens (Fabricius, 1787): Babadag, 29. IV.2011 (6 ♂♂, 2 ♀♀).

Family Drepanidae

Watsonalla binaria (Hufnagel, 1767): Babadag (RC), Cheile Dobrogei, 27-28.V.2011 (2 specs), Cetatea Enisala, (2 specs). Other remarks: Babadag (Rákosy & Wieser, 2000).

Watsonalla cultraria (Fabricius, 1775): Babadag (Rákosy & Wieser, 2000).

Sabra harpagula (Esper, 1786): Babadag, 21.VI.2009 (1 ♂). *First record for Dobrogea fauna.*

Cilix glaucatus (Scopoli, 1763): Cheile Dobrogei, 16.VIII.2010 (1 spec.), 27-28.V.2011 (3 specs), Babadag, 26.VIII.2011 (1 spec.), Gura Dobrogei, 28-29.IV.2012 (RC). Other remarks: Agigea (Marcu & Rákosy, 2002).

Cilix asiatica O. Bang-Haas, 1908: Cheile Dobrogei, 16.VIII.2010 (2 specs), 28.VIII.2011 (1 spec.), Gura Dobrogei, 28-29.IV.2012 (3 specs). Species recently signalled in Romania (Székely & Dincă, 2008).

Family Geometridae Subfamily Ennominae

Lamaspilis marginata (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Ligdia adustata ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 16.VIII.2010 (R). Babadag, 13.VIII.2010 (4 specs).

Heliommata glarearia ([Denis & Schiffermüller], 1775): Babadag, 12.VI.2012 (C), Cheile Dobrogei, 16.VIII.2010 (C), 15.VI.2012 (C). Other remarks: Babadag (Rákosy & Wieser, 2000).

Macaria notata (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Macaria alternata ([Denis & Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Chiasmia clathrata (Linnaeus, 1758): Babadag, Slava Rusă (VC), Cheile Dobrogei (C), Gura Dobrogei (C), Murighiol (R), Plopu (C), Grindul Chituc (R), Histria (R), Năvodari (R). Other remarks: Babadag (Rákosy & Wieser, 2000). Common throughout the region.

Godonella aestimaria sareptanaria (Staudinger, 1891): Babadag (R), Beștepe (R), Ciucurova (R), Plopu (C), Histria (C), Cheile Dobrogei (R). Other remarks: Agigea (Bobârnac & Stănoiu, 1975; Marcu & Rákosy, 2002).

Narraga tessularia kasyi Moucha & Povolny, 1957: Plopu (VC), Histria (C). Flight period: V-IX, very common in VIII.

- Isturgia murinaria* ([Denis & Schiffermüller], 1775): Murighiol (R), Plopu (RC), Histria (RC), Cheile Dobrogei, Gura Dobrogei (C), Babadag (RC), Cetatea Enisala (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Isturgia arenacearia* ([Denis & Schiffermüller], 1775): Babadag (C), Murighiol (R), Plopu (C), Grindul Chituc (C), Histria (C), Năvodari (C). Cheile Dobrogei, Gura Dobrogei (C.), 27-28.V.2011 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Neognopharmia stevenaria* (Boisduval, 1840): Babadag, 21.VI.2009, 12.VI.2012 (C), Cheile Dobrogei, 16.VIII.2010 (2 specs), 27-28.2011 (4 specs), Cetatea Enisala, 14.VI.2012 (C). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975).
- Petrophora chlorosata* (Scopoli, 1763): Gura Dobrogei, 28-29.IV.2012 (1 ♂). *First record for Dobrogea fauna.*
- Plagodis dolabraria* (Linnaeus, 1758): Babadag 21.VI.2009 (1 spec.).
- Opistographis luteolata* (Linnaeus, 1758): Cheile Dobrogei, 27-28.V.2011 (2 specs).
- Therapis flavicaria* ([Denis & Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Pseudopanthera macularia* (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (RC), Gura Dobrogei (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Eilicrinia cordiaria* (Hübner, 1790): Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Eilicrinia trinotata* (Metzner, 1845): Babadag (R), Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Ennomos autumnaria* (Werneburg, 1859): Babadag 3.X.2010 (2 specs).
- Ennomos fuscantaria* (Haworth, 1809): Plopu, 25-29.VIII.2011 (2 specs).
- Ennomos erosaria* ([Denis & Schiffermüller], 1775): Babadag (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Selenia lunularia* (Hübner, 1788): Babadag (VC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Artiora evonymaria* ([Denis & Schiffermüller], 1775): Babadag (Rákósy & Wieser, 2000).
- Crocallis tusciaria* ([Denis & Schiffermüller], 1775): Babadag, 26-27.X.2009 (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Crocallis elinguarua* (Linnaeus, 1758): Babadag (C), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Colotois pennaria* (Linnaeus, 1758): Babadag 24-25.X.2009 (VC), Histria, 23.X.2009 (1 ♂). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Dasycorsa modesta* (Staudinger, 1879): Gura Dobrogei, 28-29.IV.2012 (4 ♂♂, 2 ♀♀). Other remarks: Agigea (Székely & Cernea, 2007) (Plate 2: 31).
- Lycia hirtaria* (Clerck, 1759): Babadag, 29. IV.2011 (1 ♂).
- Briston betularia* (Linnaeus, 1758): Babadag (C), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Agriopsis bajaran* ([Denis & Schiffermüller], 1775): Babadag, 24-25.X.2009 (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Erannis defoliaria* (Clerck, 1759): Babadag, 26-27.X.2009 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Synopsis sociaria* (Hübner, 1799): Babadag (C), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975).
- Paraboarmia viertlii* (Bohatsch, 1883): Cheile Dobrogei, 16.VIII.2010 (1 ♂). *First record for Dobrogea fauna.*
- Peribatodes rhomboidaria* ([Denis & Schiffermüller], 1775): Babadag (C), Cheile Dobrogei, 27-28.V.2011 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).

- Hypomecis roboraria* ([Denis & Schiffermüller], 1775): Babadag (C), Cheile Dobrogei (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Hypomecis punctinalis* (Scopoli, 1763): Babadag, Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Ascotis selenaria* ([Denis & Schiffermüller], 1775): Beștepe (C), Plopu (R), Histria (R), Babadag (C), Cheile Dobrogei (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Selidosema plumaria* ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 16.VIII.2010 (2 ♂♂). *First record for Dobrogea fauna.*
- Tephronia sepiaria* (Hufnagel, 1767): Histria, 20.VII-24.VIII (R).
- Ematurga atomaria* (Linnaeus, 1758): Babadag (C), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Cabera pusaria* (Linnaeus, 1758): Babadag (R), Cheile Dobrogei (R).
- Cabera exanthemata* (Scopoli, 1763): Babadag (RC), Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Charissa obscurata* ([Denis & Schiffermüller], 1775): Babadag, Cheile Dobrogei (R).
- Charissa onustaria* (Hübner, 1809): Histria (RC), Plopu (RC), Babadag (C), Cetatea Enisala, 14.VI.2012 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Siona lineata* (Scopoli, 1763): Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Chariaspilates formosaria* (Eversmann, 1837): Murighiol, 23.VIII.2007 (13 specs) (Székely, Dincă & Juhász, 2011), Plopu, 16. VIII. 2010 (1 ♀), 13.VI.2012 (1 ♂).
- Megaspilates mundataria* (Stoll, 1782): Histria, 22.VI.2009 (2 ♂♂), 20.VII.2009 (2 ♂♂) leg. R. Görbe (Székely, Dincă & Juhász, 2011). Other remarks: Histria, leg. M. Skolka (Rákósy, Goia & Kovács, 2003); Periteașca-Razelm (Ruști & Stănescu, 1995) (Plate 2: 8).
- Semiaspilates ochrearia* (Rossi, 1794): Murighiol (R), Histria (VC), Plopu (C), Babadag (C), Cheile Dobrogei (C). Other remarks: Agigea (Marcu & Rákósy, 2002).
- Dyscia innocentaria* (Christoph, 1885): Histria (VC), Plopu (C), Mahmudia (RC), Cheile Dobrogei (C), Babadag (C), Cetatea Enisala (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).

Subfamily Alsophilinae

- Alsophila aescularia* ([Denis & Schiffermüller], 1775): Babadag (Rákósy & Wieser, 2000).
- Alsophila aceraria* ([Denis & Schiffermüller], 1775): Babadag 24-25.X.2009 (R).

Subfamily Orthostixinae

- Orthostixis cribraria* (Hübner, 1759): Babadag, 21.VI.2009 (3 specs), 12.VI.2012 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).

Subfamily Geometrinae

- Comibaena bajularia* ([Denis & Schiffermüller], 1775): Babadag, 31.V.2010 (3 ♂♂, 1 ♀♀). *First record for Dobrogea fauna.*
- Antonechloris smaragdaria* (Fabricius, 1787): Murighiol (C), Plopu (C), Histria (C), Babadag (C), Cheile Dobrogei (C), Cetatea Enisala (R).
- Hemithaea aestivaria* (Hübner, 1789): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Chlorissa viridata (Linnaeus, 1758): Plopu (C), Histria (R). Other remarks: Babadag (Rákósy & Wieser, 2000).

Chlorissa cloraria (Hübner, 1813): Babadag (R), Cheile Dobrogei (R).

Phaiogramma etruscaria (Zeller, 1849): Babadag (RC), Cheile Dobrogei (RC), Histria (R). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Marcu & Rákósy, 2002).

Microloxia herbaria (Hübner, [1813]): Plopu (VC), Histria (VC), Babadag (VC). Cheile Dobrogei, 16.VIII.2010 (2 specs), 28.VIII.2011 (2 specs).

Thalera fimbrialis (Scopoli, 1763): Babadag (R), Cheile Dobrogei (R).

Hemistola chrysoprasaria (Esper, 1795): Babadag (R), Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000).

Subfamily Sterrhinae

Cyclophora albiocellaria (Hübner, 1789): Babadag, 26.VIII.2011 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).

Cyclophora porata (Linnaeus, 1767): Babadag (Rákósy & Wieser, 2000).

Cyclophora punctaria (Linnaeus, 1758): Babadag (R), Cheile Dobrogei (R).

Timandra comae A. Schmidt, 1931: Babadag (C), Cheile Dobrogei (C). Other remarks: Agigea (Bobârnac & Stănoiu, 1975).

Scopula tessellaria (Boisduval, 1840): Babadag (Rákósy & Wieser, 2000).

Scopula ornata (Scopoli, 1763): Murighiol (C), Plopu (R), Histria (C), Babadag (RC), Cheile Dobrogei, 16.VIII.2010 (6 specs), 4.X.2010 (C), 27-28.V.2011 (R). Other remarks: Babadag (Rákósy & Wieser, 2000).

Scopula decorata ([Denis & Schiffermüller], 1775): Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000).

Scopula rubiginata (Hufnagel, 1767): Plopu (R), Histria (C), Babadag (C). Other remarks: Babadag (Rákósy & Wieser, 2000).

Scopula marginepunctata (Goeze, 1781): Babadag (RC), Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975, Marcu & Rákósy, 2002).

Scopula incanata (Linnaeus, 1758): Babadag, 21.VI.2009 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).

Scopula immutata (Linnaeus, 1758): Cheile Dobrogei, 27.V.2011 (1 spec.).

Scopula imitaria (Hübner, 1799): Babadag (Rákósy & Wieser, 2000).

Scopula flaccidaria (Zeller, 1852): Plopu (R), Histria (R). Other remarks: Babadag (Rákósy & Wieser, 2000).

Glossotrophia confinaria (Herrich-Schäffer, 1847): Babadag (Rákósy & Wieser, 2000).

Idaea rufaria (Hübner, 1799): Babadag (Rákósy & Wieser, 2000).

Idaea sericeata (Hübner, 1813): Cetatea Enisala, 14.VI.2012 (3 specs). Other remarks: Ciucurova (Mann, 1866).

Idaea muricata (Hufnagel, 1767): Plopu (C), Histria (C).

Idaea serpentata (Hufnagel, 1767): Agigea (Marcu & Rákósy, 2002).

Idaea aureolaria ([Denis & Schiffermüller], 1775): Babadag (Rákósy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975).

Idaea rusticata ([Denis & Schiffermüller], 1775): Murighiol (C), Plopu (C), Histria (C), Babadag (C). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Bobârnac & Stănoiu, 1975; Marcu & Rákósy, 2002; Székely & Cernea, 2007).

Idaea flicata (Hübner, 1799): Babadag (R), Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Marcu & Rákósy, 2002).

- Idaea politaria* (Hübner, 1799): Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Idaea seriata* (Schrank, 1802): Plopu (R), Histria (C).
- Idaea obsoletaria* (Rambur, 1833): Agigea (Marcu & Rákósy, 2002).
- Idaea dilutaria* (Hübner, 1799): Babadag 21.VI.2009 (1 spec.).
- Idaea emarginata* (Linnaeus, 1758): Histria, 20.VII.2009 (R), Babadag, 26.VIII.2011 (4 specs).
- Idaea pallidata* ([Denis & Schiffermüller], 1775): Babadag (RC).
- Idaea humiliata* (Hufnagel, 1767): Agigea (Marcu & Rákósy, 2002).
- Idaea aversata* (Linnaeus, 1758): Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Idaea deversaria* (Herrich-Schäffer, 1848): Babadag 21.VI.2009 (2 specs), 12.VI.2012 (C), Cheile Dobrogei, 30.V.2010 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Idaea straminata* (Borkhausen, 1794): Babadag (RC), Cheile Dobrogei, 28.VIII.2011 (3 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Idaea degeneraria* (Hübner, 1788): Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Rhodostrophia vibicaria* (Clerck, 1759): Babadag (C), Cheile Dobrogei (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Rhodostrophia calabra* (Petagna, 1787): Babadag, 31.V-14.VI (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Rhodostrophia discopunctata* Amsel, 1935: Histria, 22.VI.2009 (1 spec), Slava Rusă 21.VI.2009 (3 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).

Subfamily Larentiinae

- Lythria purpuraria* (Linnaeus, 1758): Beştepe (C), Plopu (C), Histria (R), Grindul Chituc (R), Babadag (C), Cheile Dobrogei (C).
- Cataclysmes riguata* (Hübner, 1813): Babadag (C), Cheile Dobrogei (C), Cetatea Enisala (R). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Marcu & Rákósy, 2002).
- Phibalapteryx virgata* (Hufnagel, 1767): Babadag (Rákósy & Wieser, 2000).
- Orthonama obstipata* (Fabricius, 1794): Gura Dobrogei, 26.IX.2011 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Xanthorhoe quadrifasciata* (Clerck, 1759): Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Xanthorhoe fluctuata* (Linnaeus, 1758): Babadag (C), Cheile Dobrogei (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Catarhoe putridaria bulgariata* Milliére, 1868: Cheile Dobrogei, 29-30.V.2010 (6 specs), 28.VIII.2011 (1 spec.), 15.VI.2012 (C), Babadag, 12.VI.2012 (RC), Cetatea Enisala, 14.VI.2012 (C).
- Epirrhoe galiata* ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 27.V.2011 (2 specs).
- Epirrhoe rivata* (Hübner, 1813): Babadag (Rákósy & Wieser, 2000).
- Eulithis pyraliata* ([Denis & Schiffermüller], 1775): Babadag, 21.VI.2009, 12.VI.2012 (RC).
- Nebula achromaria* (La Harpe, 1853): Gura Dobrogei, 26.IX.2011 (1 spec.). Other remarks: Babadag (Rákósy & Székely, 1996).
- Costaconvexa polygrammata* (Linnaeus, 1758): Murighiol (R), Plopu (RC), Histria (C), Babadag (RC).

- Cidaria fulvata* (Forster, 1771): Babadag (R).
- Camptogramma bilineata* (Linnaeus, 1758): Histria, 26.VIII.2009 (1 ♂) Babadag, 12.VI.2012 (4 specs), Cetatea Enisala, 14.VI.2012 (2 specs), Cheile Dobrogei, 15.VI.2012 (C). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Pelurga comitata* (Linnaeus, 1758): Histria, 23-30.VIII. (R).
- Philereme vetulata* ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 26.V.2011 (RC), 4.X.2010 (3 specs).
- Philereme transversata* (Hufnagel, 1767): Babadag 21.VI.2009 (2 specs), 12.VI.2012 (2 specs).
- Euphyia frustata* (Treitschke, 1828): Cheile Dobrogei, 29-30.V.2010 (VC), 16.VIII.2010 (C), 15.VI.2012 (3 specs).
- Cosmorhoe ocellata* (Linnaeus, 1758): Cheile Dobrogei, 16.VIII.2010 (C), 27-28.V.2011 (1 spec.), 28.VIII.2011 (C).
- Horisme vitalbata* ([Denis & Schiffermüller], 1775): Babadag, 23.V.2011 (2 specs), Cheile Dobrogei, 16.VIII.2010 (2 specs). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Horisme corticata* (Treitschke, 1835): Cheile Dobrogei, 16.VIII.2010 (2 specs), Babadag, 26.VIII.2011 (1 spec.). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Horisme tersata* ([Denis & Schiffermüller], 1775): Babadag (Rákosy & Wieser, 2000).
- Horisme aquata* (Hübner, 1813): Babadag (Rákosy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975).
- Epirrita dilutata* ([Denis & Schiffermüller], 1775): Babadag, 26-27.X.2009 (C). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Epirrita autumnata* (Borkhauesen, 1794): Babadag (Rákosy & Wieser, 2000).
- Operopthera brumata* (Linnaeus, 1758): Babadag, 26-27.X.2009 (C). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Perizoma bifaciata* (Haworth, 1809): Babadag, 26.VIII.2011 (1 spec.).
- Eupithecia biornata* Christoph, 1867: Histria, 19.VII-30.VIII. (VC), Plopu, 25-30.VIII. (R). (Plate 2: 10). Protected species (Additional list-30).
- Eupithecia linariata* ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 4.X.2010 (1 spec.). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Eupithecia haworthiata* Doubleday, 1856: Cheile Dobrogei, 30.V.2010 (1 spec.).
- Eupithecia impurata* (Hübner, 1813): Cheile Dobrogei, 27-30.V (VC).
- Eupithecia extensaria* (Freyer, 1844): Histria, 22.VI.2009 (R), 23-28.IX (C), Plopu, 26.IX.2011 (C).
- Eupithecia alliaria* Staudinger, 1870: Babadag, 26.VIII.2011 (1 spec.).
- Eupithecia centaureata* ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 4.X.2010 (3 specs), Plopu, 25 -29.VIII.2011 (C), Babadag, 26.VIII.2011 (2 specs). Other remarks: Constanța (Popescu-Gorj, 1959); Babadag (Rákosy & Wieser, 2000), Agigea (Marcu & Rákosy, 2002).
- Eupithecia breviculata* Donzell, 1837: Agigea (Marcu & Rákosy, 2002).
- Eupithecia sinuosaria* (Eversmann, 1848): Agigea (Marcu & Rákosy, 2002).
- Eupithecia variostrigata* Alphéraky, 1878: Plopu, Histria 25.VIII 25.IX (RC) (Plate 2: 9).
- Eupithecia trisignaria* Herrich-Schäffer, 1848: Histria, 25-30.VIII. (3 specs).
- Eupithecia tantillaria* Boisduval, 1840: Babadag, 29.IV.2011 (2 specs).
- Eupithecia tenuiata* (Hübner, 1813): Histria, 19.VII-30.VIII. (R).
- Rhinophora chloerata* (Mabille, 1870): Babadag (Rákosy & Wieser, 2000).
- Rhinophora rectangulata* (Linnaeus, 1758): Babadag (Rákosy & Wieser, 2000).

- Chloroclystis v-ata* (Haworth, 1809): Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Aplocera plagiata* (Linnaeus, 1758): Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Lithostege coassata* (Hübner, 1813)*: Agigea (Popescu-Gorj, 1980).
- Lithostege griseata* ([Denis & Schiffermüller], 1775): Plopu, 30.IV.2011 (VC), 13.VI.2012 (C), Cheile Dobrogei, 27-28.V.2011 (C), Gura Dobrogei, 28-29.IV.2012 (C), Babadag, 12.VI.2012 (C), Cetatea Enisala, 14.VI.2012 (C). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Marcu & Rákósy, 2002).
- Lithostege farinata* (Hufnagel, 1767): Cheile Dobrogei, 27.V.-15.VI. (C), Babadag, 12.VI.2012 (C), Plopu, 13.VI.2012 (C), Cetatea Enisala, 14.VI.2012 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Asthena albulata* (Hufnagel, 1767): Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Lobophora halterata* (Hufnagel, 1767): Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Family Notodontidae

- Thaumetopoea processionea* (Linnaeus, 1758): Babadag, 19.VII.2009 (2 ♂♂).
- Clostera curtula* (Linnaeus, 1758): Cheile Dobrogei, 27-28.V.2011 (2 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Clostera pygra* (Hufnagel, 1766): Plopu, 29.VIII.2011 (1 ♂).
- Clostera anastomosis* (Linnaeus, 1758): Babadag, 19-20.VII.2009 (R).
- Clostera anachoreta* ([Denis & Schiffermüller], 1775): Babadag 3.X.2010 (1 spec.).
- Cerura vinula* (Linnaeus, 1758)*: Agigea (Popescu-Gorj & Drăghia, 1964).
- Furcula furcula forficula* Fischer von Waldheim, 1820: Plopu, 24.VIII.2008 (1 ♀).
- Dicranura ulmi* ([Denis & Schiffermüller], 1775): Babadag, 29.IV.2011 (RC), Gura Dobrogei, 28.IV.2012 (1 ♂). Other remarks: Agigea (Popescu-Gorj & Drăghia, 1964); Babadag (Rákósy & Wieser, 2000).
- Harpyia milhauseri* (Fabricius, 1775): Babadag, 23-25.V.2011 (9 specs), Cheile Dobrogei, 27-28.V.2011 (4 specs).
- Tritophia tritophus* ([Denis&Schiffermüller], 1775): Babadag (RC).
- Notodonta dromedarius* (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (RC).
- Notodonta ziczac* (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (RC), Plopu, 25.VIII.2001 (1 spec.).
- Drymonia dodonaea* ([Denis&Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei (RC).
- Drymonia ruficornis grisea* Turati, 1907: Babadag, 29.IV.2011 (RC).
- Drymonia querna* ([Denis&Schiffermüller], 1775): Babadag (RC).
- Paradrymonia vittata bulgarica* de Freina, 1983: Babadag, 25.V.2011 (2 ♂♂). Protected species (Additional list-18).
- Pterostoma palpina* (Clerck, 1759): Plopu (R), Babadag (VC), Cheile Dobrogei (C).
- Ptilophora plumigera* ([Denis & Schiffermüller], 1775): Babadag, 24-25.X.2009 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Pheosia tremula* (Clerck, 1759): Plopu, 27.VIII.2007 (1 ♀).
- Gluphisia crenata* (Esper, 1785): Babadag, 19-21.VII (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Phalera bucephala* (Linnaeus, 1758): Babadag (R), Cheile Dobrogei (RC).
- Phalera bucephaloides* (Ochsenheimer, 1810): Babadag 21.VI-19.VII. (VC).
- Peridea anceps* (Goeze, 1781): Babadag, 29.IV-25.V.2011 (RC).

Stauropus fagi (Linnaeus, 1758): Babadag (VC), Cheile Dobrogei (VC).
Spatalia argentina ([Denis & Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei (RC).

Family Erebidae

Subfamily Rivulinae

Rivula sericealis (Scopoli, 1763): Beştepe (RC), Plopu (R), Histria (R), Cheile Dobrogei, 16.VIII.2010 (2 specs), 27-28.V.2011 (RC), Babadag, 12.VI.2012 (5 specs).

Subfamily Boletobinae

Parascotia fuliginaria (Linnaeus, 1761): Plopu (R), Histria (R).

Subfamily Eublemminae

Calymma communimacula ([Denis & Schiffermüller], 1775): Babadag, 19.VII.2009 (1 spec.).

Odice suava (Hübner, 1813): Babadag, 19.VII.2009 (R). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Popescu-Gorj & Drăghia, 1964; Rákósy, 1996).

Eublemma ostrina (Hübner, [1808]): Histria (R), Cheile Dobrogei, 16.VIII.2010 (1 spec.). Protected species (Additional list-19).

Eublemma amoena (Hübner, [1803]): Histria (R), Babadag, 24.IX.2011 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975; Rákósy & Székely, 1996).

Eublemma purpurina ([Denis & Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei, 27-28.V.2011 (1 spec.), Beştepe (R), Plopu (RC), Histria (RC). Other remarks: Agigea (Rákósy & Székely, 1996), Babadag (Rákósy & Wieser, 2000).

Eublemma polygramma (Duponchel, [1842]): Cheile Dobrogei, 16.VIII.2010 (2 specs), 15.VI.2012 (2 specs), Babadag, 12.VI.2012 (2 specs). Other remarks: Babadag (Rákósy, 1996; Rákósy & Wieser, 2000).

Subfamily Herminiinae

Simplicia rectalis (Eversmann, 1842): Babadag (RC), Cheile Dobrogei (RC).

Herminia tarsicrinalis (Knoch, 1782): Babadag (RC), Cheile Dobrogei (RC).

Paracolax tristalis (Fabricius, 1794): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Enisala (Rákósy, 1996).

Zanclognatha lunalis (Scopoli, 1763): Babadag, 26.VIII.2011 (1 spec). Other remarks: Babadag (Rákósy & Wieser, 2000).

Zanclognatha tarsipennalis Treitschke, 1835: Babadag (RC), Cheile Dobrogei (RC), Cetatea Enisala, 14.VI.2012 (1 spec.).

Macrochilo cribrumalis (Hübner, 1793): Histria, 19.VI.2009 (2 specs).

Subfamily Hypeninae

Hypena proboscidalis (Linnaeus, 1758): Babadag (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Hypena rostralis (Linnaeus, 1758): Babadag (R). Other remarks: Babadag (Rákósy & Wieser, 2000).

Subfamily Phytometrinae

Phytometra viridaria (Clerck, 1759): Agigea (Marcu & Rákósy, 2002).

Colobochyla salicalis ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 27-28.V.2011 (1 spec.).

Subfamily Aventiinae

Laspeyria flexula ([Denis & Schiffermüller], 1775): Babadag, 21.VI.2009 (R).

Subfamily Calpinae

Calyptra thalictri (Borkhausen, 1790): Babadag, 12.VI-26.VIII (RC). Other remarks: Babadag (Rákosy & Wieser, 2000); Ciucurova (Rákosy, 1996).

Scoliopteryx libatrix (Linnaeus, 1758): Plopu, 24.VIII-26.IX (R), Histria, 23.VIII-24.IX (R), Babadag 24.IX.-25.X (R). Other remarks: Babadag (Rákosy & Wieser, 2000).

Subfamily Catocalinae

Lygephila pastinum (Treitschke, 1826): Babadag, 25.X.2009 (1 ♀). Other remarks: Babadag (Rákosy & Wieser, 2000).

Lygephila cracca ([Denis & Schiffermüller], 1775): Plopu, 25-30.VIII.2011, Babadag 12-21.VI. (RC) Cetatea Enisala, 14.VI.2012 (5 specs), Cheile Dobrogei, 15.VI.2012 (3 specs). Other remarks: Babadag (Rákosy & Wieser, 2000), Agigea (Bobârnac & Stănoiu, 1975).

Autophila limbata (Staudinger, 1871)**: Gura Dobrogei, Peștera Liliecilor, leg. T. Orghidan, 15.VII.1955 (1 ♀) (Popescu-Gorj, 1959).

Drasteria caucasica (Kolenati, 1846): Histria, 19.VI.2009 (2 ♂♂), 20.VII.2009 (1 ♀) (Székely, Dincă & Juhász, 2011).

Euclidia glyphica (Linnaeus, 1758): Babadag (R), Cheile Dobrogei (R). Other remarks: Babadag (Rákosy & Wieser, 2000).

Euclidia mi (Clerck, 1759): Cheile Dobrogei, 16.VIII.2010 (1 spec.).

Euclidia triquetra ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 29.V.2010 (R).

Catephia alchymista ([Denis & Schiffermüller], 1775): Babadag (R), Cheile Dobrogei (R). Other remarks: Babadag (Rákosy & Wieser, 2000).

Minucia lunaris ([Denis & Schiffermüller], 1775): Babadag, Cheile Dobrogei (R). Other remarks: Babadag (Rákosy & Wieser, 2000).

Dysgonia algira (Linnaeus, 1767): Beștepe (R), Plopu (R), Histria (R), Cheile Dobrogei (R), Babadag (R). Other remarks: Babadag (Rákosy & Wieser, 2000).

Grammodes stolidia (Fabricius, 1775): Beștepe (R), Plopu (R), Histria (R), Babadag (R). Cheile Dobrogei, 16.VIII.2010 (1 spec.), Cetatea Enisala, 14.VI.2012 (C). Other remarks: Babadag (Rákosy & Wieser, 2000).

Grammodes bifasciata (Petagna, 1787): Histria, 17.VIII.2011 (1 spec.) leg. I. Juhász, 26.VIII.2011 (1 spec.) (Plate 2: 11).

Clytie syriaca (Bugnion, 1837)*: Agigea (Bobârnac & Stănoiu, 1975; Rákosy, 1996; Székely & Cernea, 2007).

Catocala sponsa (Linnaeus, 1758): Babadag (C). Other remarks: Babadag (Rákosy & Wieser, 2000).

Catocala nupta (Linnaeus, 1758): Babadag (RC), Plopu, 29.VIII.2011 (1 spec.). Other remarks: Babadag (Rákosy & Wieser, 2000).

Catocala elocata (Esper, 1787): Babadag (RC). Other remarks: Agigea (Rákosy & Székely, 1996); Babadag (Rákosy & Wieser, 2000).

Catocala puerpera (Giorna, 1791)*: Agigea (Rákosy & Székely, 1996); Mamaia (Székely & Cernea, 2007).

Catocala promissa ([Denis & Schiffermüller], 1775): Babadag 21.VI.-19.VII (C).

Catocala nymphagoga (Esper, 1787): Babadag, 21.VI-19.VII. (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Catocala hymenaea ([Denis & Schiffermüller], 1775): Babadag, 19.VII.2009 (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Subfamily Euteliinae

Eutelia adulatrix (Hübner, 1813): Babadag, 12- 21.VI. (C), Cheile Dobrogei, 27-28.V.2011 (2 sp.). Other remarks: Babadag (Rákosy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975).

Family Noctuidae

Subfamily Plusiinae

Abrostola asclepiadis ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 27-28.V.2011 (RC), Babadag 12.VI.2012 (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Abrostola tripartita (Hufnagel, 1766): Cheile Dobrogei, 27-28.V.2011 (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Abrostola triplasia (Linnaeus, 1758): Plopu (R), Histria (R), Babadag 12.VI.2012 (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Diachrysia chryson deltaica Rákosy, 1996: Cetatea Enisala, 14.VI.2012 (5 specs). Protected species (Additional list-20).

Diachrysia chrysitis (Linnaeus, 1758): Beștepe (R), Plopu (R); Histria (R), Babadag (C), Cheile Dobrogei (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

Diachrysia stenochrysis (Warren, 1913): Plopu (R), Histria (R), Cheile Dobrogei, 16.VIII.2010 (2 specs). Other remarks: Agigea (Rákosy & Székely, 1996).

Diachrysia nadeja (Oberthür, 1880): Histria, 21.VII.2009 (1 ♂), Cetatea Enisala, 14.VI.2012 (2 specs).

Euchalcia consona (Fabricius, 1787): Babadag (Rákosy & Wieser, 2000).

Macdunnoughia confusa (Stephens, 1850): Beștepe (R), Plopu (R), Histria (R), Babadag (C), Cheile Dobrogei (C). Other remarks: Agigea (Rákosy & Székely, 1996); Babadag (Rákosy & Wieser, 2000).

Autographa gamma (Linnaeus, 1758): Beștepe (C), Plopu (C), Grindul Chituc (C), Histria (C), Babadag (C), Cheile Dobrogei (C), Năvodari (C), Cetatea Enisala (C).

Cornutiplusia circumflexa (Linnaeus, 1767): Histria, 30.VIII.2009 (1 ♂) (Székely, Dincă & Juhász, 2011) (Plate 2: 13).

Trichoplusia ni (Hübner, 1803): Histria (2 specs), Babadag, 19.VII.2009 (2 specs). Other remarks: Agigea (Rákosy, 1996).

Chrysodeixis chalcites (Esper, [1789]): Histria, 23.VIII-24.X (7 specs), Plopu, 27.X.2009 (1 spec.), Babadag, 24-25.X.2009 (3 specs) (Székely, Dincă & Juhász, 2011) (Plate 2: 12).

Plusia festucae (Linnaeus, 1758): Babadag, 14.VIII.2010 (2 sp.).

Subfamily Eustrotiinae

Phyllophila obliterata (Rambur, 1833): Babadag (RC), Cheile Dobrogei (R), Plopu, 13.VI.2012 (1 spec.), Cetatea Enisala, 14.VI.2012 (2 specs).

Deltote bankiana (Fabricius, 1775): Plopu, 14.VIII.2010 (1 spec.), Histria, 21.VII.2009 (1 ♂).

Subfamily Acontiinae

Acontia melanura (Tauscher, 1809): Babadag, 3.VII.2000 (1 ♂) (Hacker, Legrain & Fibiger, 2008).

Acontia titania (Esper, [1798]): Babadag, 21.VI.2009 (1 ♂), 12.VI.2012 (2 ♂♂). Other remarks: Agigea (Rákósy, 1996). Protected species (Additional list-23).

Acontia lucida (Hufnagel, 1766): Beștepe (C), Plopu (C), Grindul Chituc (C), Histria (C), Babadag (C), Cheile Dobrogei (C), Cetatea Enisala, 14.VI.2012 (C). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975; Rákósy & Székely, 1996).

Acontia (Emmelia) trabealis (Scopoli, 1763): Beștepe (C), Plopu (C), Grindul Chituc (C), Histria (C), Babadag (C), Cheile Dobrogei (VC), Cetatea Enisala (RC).

Tarachidia candefacta (Hübner, [1831]): Histria, 25.VIII.2008 (1 ♂), 20.VII.2009 (1 ♂), 15.VIII.2010 (1 ♂), 27.VIII.2011 (1 ♂), Babadag, 19.VII.2009 (1 ♂), Plopu, 25-29.VIII.2011 (3 specs) (Székely, Dincă & Juhász, 2011) (Plate 2: 16).

Aedia funesta (Esper, [1766]): Babadag, 19.VII.2009 (1 ♂), 12.VI.2012 (1 ♂), Cetatea Enisala, 14.VI.2012 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).

Aedia leucomelas (Linnaeus, 1758): Beștepe (RC), Plopu (RC), Histria (RC), Babadag (C), Cheile Dobrogei (C), Cetatea Enisala, 14.VI.2012 (2 specs).

Subfamily Pantheinae

Colocasia coryli (Linnaeus, 1758): Beștepe (C), Plopu (R), Histria (R), Babadag (C), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Subfamily Dilobinae

Diloba caeruleocephala (Linnaeus, 1758): Babadag, 24-25.X.2009 (VC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Subfamily Acronictinae

Oxicesta geographica (Fabricius, 1787): Histria, 20.VI-21.VII (R), Plopu, 18.VII.2009 (1 spec.), Cheile Dobrogei, 16.VIII.2010 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).

Moma alpium (Osbeck, 1778): Cheile Dobrogei, 15.VI.2012 (1 spec.). *First record for Dobrogea fauna.*

Acronicta psi (Linnaeus, 1758): Plopu, 25.VIII.2007 (1 ♂).

Acronicta megacephala ([Denis & Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei (R).

Acronicta rumicis (Linnaeus, 1758): Babadag (RC), Plopu, 25.VIII.2001 (1 spec.).

Craniophora ligustri ([Denis & Schiffermüller], 1775): Babadag (C), Plopu, 25.VIII.2001 (R)

Craniophora pontica (Staudinger, 1878): Babadag (Rákósy & Wieser, 2000).

Symira nervosa ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 16.VIII.2010 (2 ♂♂), 15.VI.2012 (1 ♂). Other remarks: Babadag (Rákósy & Wieser, 2000).

Symira albovenosa (Goeze, 1781): Plopu (R), Histria (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Symira dentinosa Freyer, 1839: Babadag, 23.V. 2010 and 1.VI. 2011, ex. larva (VC), Gura Dobrogei, 28-29.IV.2012, ex. larva (VC), (Plate 2: 17).

Subfamily Metoponinae

Aegle koekeritziana (Hübner, [1799])*: Plopu, 13.VI.2012 (1 spec.). Other remarks: Agigea (Rákósy, 1996; Székely & Cernea, 2007).

Mycteroplus puniceago (Boisduval, 1840): Cheile Dobrogei, 16.VIII.2010 (1 ♀), Plopu, 23-30.VIII

(VC), Histria, 23-30.VIII (C). Other remarks: Babadag (Rákósy & Wieser, 2000) (Plate 2: 18).

Tyta luctuosa ([Denis & Schiffermüller], 1775): Beștepe (C), Plopu (C), Babadag (C), Histria (C), Cheile Dobrogei (C), Cetatea Enisala, 14.VI.2012 (C). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975).

Subfamily Cucullinae

Cucullia argentina (Fabricius, 1787): Plopu, 24-27.VIII.2008 (3 ♂) (Székely & Dincă, 2009), Plopu, 14.VIII.2010 (1 ♀) (Plate 2: 14).

Cucullia scopariae Dorfmeister, 1853: Plopu, 24.VIII.2008 (2 ♂♂) (Székely, Dincă & Juhász, 2011).

Cucullia artemisiae (Huhnagel, 1766): Babadag, 23.V.2011 (1 ♂).

Cucullia umbratica (Linnaeus, 1758): Cheile Dobrogei, 27-28.V.2011 (2 specs). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Cucullia biornata Fischer von Waldheim, 1840: Plopu, 23-29.VIII. (12 specs) (Székely, Dincă & Juhász, 2011) (Plate 2: 15). Protected species (Additional list-21).

Cucullia tanacetii ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 27-28.V.2011 (4 specs).

Cucullia santonici (Hübner, [1813]): Cheile Dobrogei, 27-28.V.2011 (3 specs), Cetatea Enisala, 14.VI.2012 (1 ♂). Other remarks: Agigea (Rákósy, 1996) (Plate 2: 33). Protected species (Additional list-22).

Cucullia asteris ([Denis & Schiffermüller], 1775): Histria, 25.VIII.2008 (2 ♂♂). *First record for Dobrogea fauna.*

Shargacucullia verbasci (Linnaeus, 1758): Babadag, 30.V.2010 (1 spec.).

Shargacucullia gozmanyi Ronkay & Ronkay, 1994: Babadag, 29.IV.2011 (2 specs).

Shargacucullia lychnitis (Rambur, 1833): Babadag, 12.VI.2012 (11 specs), Plopu, 13.VI.2012 (1 spec.).

Shargacucullia thapsiphaga (Treitschke, 1826): Babadag, 12.VI.2012 (1 ♂), Cetatea Enisala, 14.VI.2012 (1 ♂). Other remarks: Agigea (Marcu & Rákósy, 2002).

Shargacucullia scrophulariae ([Denis & Schiffermüller], 1775): Babadag, 30.V.2010 (1 spec.), 12.VI.2012 (11 specs), Cheile Dobrogei, 27-28.V.2011 (2 specs).

Subfamily Oncocnemidinae

Calophasia lunula (Hufnagel, 1766): Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Calophasia opalina (Esper, [1794]): Plopu (R), Histria (R), Cheile Dobrogei (RC), Gura Dobrogei, 28.IV.2012 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Székely & Cernea, 2007).

Omphalophana antirrhini (Hübner, [1803]): Cetatea Enisala, 14.VI.2012 (2 specs). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Marcu & Rákósy, 2002).

Epimecia ustula (Freyer, 1835)**: Agigea (Popescu-Gorj & Drăghia, 1964).

Lamprosticta culta ([Denis & Schiffermüller], 1775): Babadag 12-21.VI. (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Subfamily Amphipyridae

Amphipyra pyramidea (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Amphipyra berbera Rungs, 1949: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Amphipyra livida ([Denis & Schiffermüller], 1775: Babadag, 19.VII.2009 (3 specs). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Amphipyra tragopoginis (Clerck, 1759): Plopu (RC), Histria (R), Cheile Dobrogei, 16.VIII.2010 (1 spec.). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Subfamily Psaphidinae

Asteroscopus sphinx (Hufnagel, 1766): Babadag, 24-25.X.2009 (R).

Allophyes oxyacanthae (Linnaeus, 1758): Babadag, 24-25.X.2009 (VC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Subfamily Heliiothinae

Schinia scutosa ([Denis & Schiffermüller], 1775): Plopu (C), Histria (R), Beștepe (C), Babadag (RC), Cheile Dobrogei (C), Cetatea Enisala, 14.VI.2012 (RC). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Schinia cardui (Hübner, 1808)*: Agigea (Rákósy, 1996).

Heliiothis viriplaca (Hufnagel, 1766): Plopu (C), Histria (C), Babadag (C), Cheile Dobrogei (RC), Cetatea Enisala, 14.VI.2012 (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).

Heliiothis adaucta Butler, 1878 (= *maritima bulgarica* Draudt, 1938): Plopu (C), Histria (C), Cheile Dobrogei (C). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Heliiothis nubigera (Herrich-Schaffer, 1851)*: Agigea (Popescu-Gorj, 1959; Rákósy, 1996).

Heliiothis peltigera ([Denis & Schiffermüller], 1775): Plopu (C), Histria (C), Cheile Dobrogei (RC). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Helicoverpa armigera (Hübner, 1808): Plopu (C), Histria (C), Cheile Dobrogei (C). Other remarks: Babadag (Rákósy & Wieser, 2000).

Pyrrhia umbra (Hufnagel, 1766): Histria(R), Cheile Dobrogei, 16.VIII.2010 (2 specs), Babadag, 26.VIII.2011 (3 specs). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Pyrrhia purpurina (Esper, [1804]): Cheile Dobrogei, 27-28.V.2011 (4 specs).

Periphanes delphinii (Linnaeus, 1758): Beștepe, 24.VIII.2007 (2 specs), Babadag, 19.VII.2009 (1 ♂), Histria, 20.VII.2009 (1 ♂), Cheile Dobrogei, 16.VIII.2010 (1 ♀), Cetatea Enisala, 14.VI.2012 (2 specs). Other remarks: Medgidia (Marcu & Rákósy, 2002).

Subfamily Condicinae

Eucarta virgo (Treitschke, 1835): Babadag, 19.VII.2009 (1 spec.). Other remarks: Ciucurova (Rákósy, 1996).

Subfamily Bryophilinae

Cryphia receptricula (Hübner, [1803])*: Agigea (Bobârnac & Stănoiu, 1975).

Cryphia algae (Fabricius, 1775): Babadag, 21.VI.2009 (C), 26.VIII.2011 (2 specs), Plopu, 29.VIII.2011 (2 specs). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).

Cryphia raptricula ([Denis & Schiffermüller], 1775): Babadag, 21.VI.2009 (2 specs).

Cryphia amasina (Draudt, 1931): Babadag (Rákósy & Wieser, 2000).

Subfamily Xyleninae

- Spodoptera exigua* (Hübner, [1808]): Plopu (R), Histria (R), Cheile Dobrogei, 4.X.2010 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Elaphria venustula* (Hübner, 1790): Babadag, 21.VI.2009 (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Caradrina clavipalpis* (Scopoli, 1763): Plopu (C), Histria (C), Cheile Dobrogei, 16.VIII.2010 (3 specs).
- Caradrina kadenii* Freyer, 1836: Plopu (R), Histria (R), Babadag, 19.VII.2009 (2 specs), Cheile Dobrogei, 15.VI.2012 (2 specs). Other remarks: Agigea (Rákósy & Székely, 1996).
- Caradrina morpheus* (Hufnagel, 1766): Plopu (C), Histria (C). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).
- Caradrina (Platyperigia) albina* (Eversmann, 1848)*: Agigea (Rákósy, 1996).
- Caradrina (Platyperigia) aspersa* (Rambur, 1834): Babadag, 26.VIII.2011 (7 sp.). Other remarks: Babadag (Rákósy, 1996).
- Hoplodrina ambigua* ([Denis & Schiffermüller], 1775): Babadag (VC), Cheile Dobrogei (RC), Plopu, 13.VI.2012 (RC). Other remarks: Agigea (Rákósy & Székely, 1996).
- Hoplodrina blanda* ([Denis & Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Hoplodrina octogenaria* (Goeze, 1781): Plopu (C), Histria (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Chilodes maritima* (Tauscher, 1806): Plopu (VC), Histria (C).
- Rusina ferruginea* (Esper, [1785]): Plopu, 13.VI.2012 (1 spec.).
- Charanyca trigrammica* (Hufnagel, 1766): Plopu (C), Histria (VC), Cheile Dobrogei, 27-28.V.2011 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Athetis furvula* (Hübner, [1808])*: Babadag (Székely & Cernea, 2007).
- Athetis gluteosa* (Treitschke, 1835): Plopu (R), Histria (C). Other remarks: Agigea (Rákósy & Székely, 1996).
- Proxenus lepigone* (Möschler, 1860): Histria (R). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).
- Enargia abluta* (Hübner, [1808]): Plopu, 15.VIII.2010 (1 spec.). Protected species (Additional list-27).
- Ipimorpha retusa* (Linnaeus, 1761): Babadag (Rákósy & Wieser, 2000).
- Ipimorpha subtusa* ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 15.VI.2012 (3 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Cosmia affinis* (Linnaeus, 1767): Cetatea Enisala, 14.VI.2012 (5 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Cosmia diffinis* (Linnaeus, 1767): Babadag (Rákósy & Wieser, 2000).
- Cosmia pyralina* ([Denis & Schiffermüller], 1775): Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Cosmia trapezina* (Linnaeus, 1758): Babadag (C), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Dicycla oo* (Linnaeus, 1758): Babadag, 12-21.VI. (VC), Cheile Dobrogei (RC), Cetatea Enisala, 14.VI.2012 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Atethmia centrigo* (Haworth, 1809): Babadag, 3.X.2010 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Atethmia ambusta* ([Denis & Schiffermüller], 1775): Babadag, 3.X.2010 (2 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Mesogona acetosellae* ([Denis & Schiffermüller], 1775): Babadag, 24.IX-3.X (C).

- Mesogona oxalina* (Hübner, [1803]): Babadag (Rákósy & Wieser, 2000).
- Dypterygia scabriuscula* (Linnaeus, 1758): Plopu, 25-30.VIII.2011 (R). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Marcu & Rákósy, 2002).
- Trachea atriplicis* (Linnaeus, 1758): Babadag (C), Cheile Dobrogei (RC), Plopu (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Polyphaenis viridis* (Villers, 1789): Babadag, 19.VII.2009 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Thalpophila matura* (Hufnagel, 1766): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Marcu & Rákósy, 2002).
- Actinotia polyodon* (Clerck, 1759): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Chloantha hyperici* ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 27-28.V.2011 (C), Babadag, 26.VIII.2011 (1 spec.), 3.X.2010 (2 specs), 12.VI.2012 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Phlogophora meticulosa* (Linnaeus, 1758): Plopu (R), Histria (R), Babadag, 3-25.X. (VC). Other remarks: Agigea (Rákósy & Székely, 1996); Babadag (Rákósy & Wieser, 2000).
- Auchmis detersa* (Esper, [1787]): Babadag, 25.IX.2011 (1 spec.), Cheile Dobrogei, 15.VI.2012 (2 specs).
- Apamea monoglypha* (Hufnagel, 1766): Babadag, Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Apamea anceps* ([Denis & Schiffermüller], 1775): Plopu, 19.V.2009 (1 ♂). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Apamea sordens* (Hufnagel, 1766): Plopu, 31.V.2009 (2 ♂♂). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Apamea scolopacina* (Esper, [1788]): Babadag (Rákósy & Wieser, 2000).
- Oligia strigilis* (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Oligia versicolor* (Borkhausen, 1792): Babadag, Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Marcu & Rákósy, 2002).
- Oligia latruncula* ([Denis & Schiffermüller], 1775): Babadag, Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Mesoligia furuncula* ([Denis & Schiffermüller], 1775): Cheile Dobrogei (R). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Székely & Cernea, 2007).
- Mesoligia literosa* (Haworth, 1809): Babadag (Rákósy & Wieser, 2000).
- Mesapamea secalis* (Linnaeus, 1758): Plopu (R), Babadag, Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Eremobia ochroleuca* ([Denis & Schiffermüller], 1775)*: Agigea (Bobârnac & Stănoiu, 1975; Rákósy, 1996).
- Luperina testacea* ([Denis & Schiffermüller], 1775): Plopu (RC), Histria (RC), Babadag (C).
- Luperina rubella* (Duponchel, 1826): Histria, 30.VIII.2009 (1 ♂), Babadag, 3.X.2010 (1 spec.). Other remarks: Agigea (Rákósy, 1996).
- Luperina dumerilli* (Duponchel, 1826): Histria, 27.IX.2009 (2 ♂♂).
- Amphipoea fucosa* (Freyer, 1830): Babadag, 19.VII.2009 (2 specs).
- Hydraecia micacea* (Esper, [1789]): Histria, 30.VIII-25.IX (R).
- Gortyna flavago* ([Denis & Schiffermüller], 1775): Babadag, 25.IX.2011 (2 specs).
- Gortyna cervago* Eversmann, 1844: Plopu, Histria, 24-29.VIII. (5 specs) (Székely, Dincă & Juhász, 2011). Other remarks: Agigea (Popescu-Gorj & Drăghia, 1966; Rákósy, 1996) (Plate 2: 30). Protected species (Additional list-24).

- Calamia tridens* (Hufnagel, 1766): Babadag, 19.VII.2009 (2 specs), Cetatea Enisala, 14.VI.2012 (2 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Chortodes fluxa* (Hübner, [1809]): Histria, 27.IX.2009 (2 specs).
- Chortodes pygmina* (Haworth, 1809): Histria, 23.VIII-25.IX. (C), Cheile Dobrogei, 27-28.V.2011 (3 specs).
- Oria musculosa* (Hübner, [1808]): Plopu (R), Histria (R). Other remarks: Agigea (Popescu-Gorj & Drăghia, 1966; Rákósy, 1996).
- Nonagria typhae* (Thunberg, 1784): Plopu (R), Histria (R), Murighiol (R), Babadag (R), Cetatea Enisala, 14.VI.2012 (2 specs).
- Rhizedra lutosa* (Hübner, [1803]): Plopu (VC), Histria (VC), Murighiol (R), Babadag (R).
- Archanara geminipuncta* (Haworth, 1809): Plopu (R), Histria (C), Murighiol (R).
- Archanara dissoluta* (Treitschke, 1825): Plopu (RC), Histria (C), Murighiol (C), Babadag, 12.VI.2012 (1 spec.), Cheile Dobrogei, 15.VI.2012 (1 spec.).
- Archanara sparganii* (Esper, [1789]): Agigea (Rákósy & Székely, 1996).
- Archanara algae* (Esper, [1789]): Histria (RC).
- Sedina buettneri* (E. Hering, 1858): Histria, 23.X.2009 (1 ♀).
- Episema glaucina* (Esper, [1789]): Histria, 23-26.IX (4 specs) (det. L. Ronkay).
- Episema tersa* ([Denis & Schiffermüller], 1775): Histria, 23.IX-24.X. (VC), Babadag, 23.IX.-25.X (VC), Cheile Dobrogei, 4.X.2010 (C), Gura Dobrogei, 26.IX.2011 (2 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Episema lederi* Christoph, 1885: Histria, 23.X.2009 (2 ♂♂) (Plate 2: 21).
- Cleoceris scoriacea* (Esper, [1789]): Histria, 23-27.IX. (VC), Babadag 24.IX-3.X (VC) (Plate 2: 22).
- Ulochlaena hirta* (Hübner, [1813]): Histria, 17-25.X. (C), Plopu, 26-27.X (R), Babadag, 24-25.X.2009 (VC). Other remarks: Constanța, Agigea (Rákósy, 1996; Marcu & Rákósy, 2002).
- Parastichtis suspecta* (Hübner, [1817]): Cheile Dobrogei, 14.VI.2012 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Apterogenum ypsillon* ([Denis & Schiffermüller], 1775): Babadag, 19.VII.2009 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Atypha pulmonaris* (Esper, [1789]): Babadag (Rákósy & Wieser, 2000).
- Tiliacea sulphurago* ([Denis & Schiffermüller], 1775): Babadag, 24.IX-3.X (RC).
- Xanthia togata* (Esper, [1788]): Babadag, 24.IX-3.X (R).
- Cirrhia icteritia* (Hufnagel, 1766): Babadag (Rákósy & Wieser, 2000).
- Cirrhia ocellaris* (Borkhausen, 1792): Babadag, 24.IX-3.X (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Cirrhia gilvago* ([Denis & Schiffermüller], 1775): Babadag, 24.IX-3.X (R).
- Agrochola lychnidis* ([Denis & Schiffermüller], 1775): Babadag, 24-25.X.2009 (VC).
- Agrochola circellaris* (Hufnagel, 1766): Histria, 23.VIII-26.IX (RC), Babadag, 26.VIII-24.IX (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Agrochola macilenta* (Hübner, [1809]): Babadag, 24-25.X.2009 (C).
- Agrochola nitida* ([Denis & Schiffermüller], 1775): Babadag, 24-25.X.2009 (VC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Agrochola helvola* (Linnaeus, 1758): Babadag, 3.X.2010 (2 specs).
- Agrochola litura* (Linnaeus, 1758): Babadag, 24-25.X.2009 (VC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Agrochola laevis* (Hübner, [1803]): Babadag, 24-25.X.2009 (C).
- Agrochola humilis* ([Denis & Schiffermüller], 1775): Histria, 23.X.2009 (2 specs).
- Conistra vaccinii* (Linnaeus, 1761): Histria, 17.X.2008 (R).

- Conistra ligula* (Esper, [1791]): Histria, 17.X.2008 (RC).
Conistra erythrocephala ([Denis & Schiffermüller], 1775): Histria, 17-25.X (R), Babadag, 24-25.X.2009 (C).
Lithophane ornitopus (Hufnagel, 1766): Babadag, 24-25.X.2009, 24.IX.2011 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
Xylena exsoleta (Linnaeus, 1758): Babadag, 25.X.2009 (1 spec.).
Eupsilia transversa (Hufnagel, 1766): Babadag, 24-25.X.2009 (C).
Scotochrosta pulla ([Denis & Schiffermüller], 1775): Babadag, 24.IX-3.X (VC), Cheile Dobrogei, 4.X.2010 (3 specs).
Dichonia aeruginea (Hübner, [1808]): Babadag, 24-25.X.2009 (C).
Dichonia convergens ([Denis & Schiffermüller], 1775): Babadag, 24-25.X.2009 (VC).
Griposia aprilina (Linnaeus, 1758): Babadag, 24-25.X.2009 (VC).
Dryobotodes eremita (Fabricius, 1775): Babadag, 3-25.X. (VC). Other remarks: Babadag (Rákósy & Wieser, 2000).
Ammoconia caecimacula ([Denis & Schiffermüller], 1775): Babadag, 26.VIII.2011 (2 specs), 25.IX.-26.X. (VC). Other remarks: Babadag (Rákósy & Wieser, 2000).
Aporophyla lutulenta ([Denis & Schiffermüller], 1775): Plopu, 29-30.VIII.2011 (3 specs). Other remarks: Babadag (Rákósy & Wieser, 2000).
Antitype suda (Geyer, [1832])**: Agigea (Rákósy, 1996).
Polymixis polymita (Linnaeus, 1761): Babadag (Rákósy & Wieser, 2000).

Subfamily Hadeninae

- Orthosia incerta* (Hufnagel, 1766): Babadag, 29.IV.2011 (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
Orthosia cruda ([Denis & Schiffermüller], 1775): Babadag, 29.IV.2011 (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
Orthosia miniosa ([Denis & Schiffermüller], 1775): Babadag, 29.IV.2011 (R). Other remarks: Babadag (Rákósy & Wieser, 2000).
Orthosia gothica (Linnaeus, 1758): Babadag, 29.IV.2011 (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
Anorthoa munda ([Denis & Schiffermüller], 1775): Babadag, 29.IV.2011 (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
Egira conspicillaris (Linnaeus, 1758) / *Egira tibori* Hreblay, 1994: Babadag, 29.IV.2011 (RC); Gura Dobrogei, 28-29.IV.2012 (C). Other remarks: Babadag (Rákósy & Wieser, 2000). Perhaps, in Dobrogea, *E. tibori* is present or both species? The problem is being studied!
Tholera decimalis (Poda, 1761): Babadag (C), Gura Dobrogei (C), Cheile Dobrogei (C), Plopu (C), Histria (C).
Cardezia hartigi (Parenzan, 1981): Histria, 19.VI-27.VIII. (C), Plopu, 25-30.VIII.2011(3 specs) (Székely, Dincă & Juhász, 2011), Plopu, 13.VI.2012 (4 specs) (Plate 2: 24).
Polia cherrug Rákósy & Wieser, 1997: Babadag, 23.V.-1.VI. (VC). Other remarks: Babadag (Dincă, 2010) (Plate 2: 26). Protected species (Additional list-28).
Lacanobia w-latinum (Hufnagel, 1766): Babadag (RC), Cheile Dobrogei (RC), Cetatea Enisala, 14.VI.2012 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
Lacanobia praedita (Hübner, [1813]): Beștepe (R), Plopu (R), Histria (R).
Lacanobia blenna (Hübner, [1824]): Plopu (R), Histria (R).

- Lacanobia oleracea* (Linnaeus, 1758): Beștepe (C), Plopu (C), Histria (C), Cheile Dobrogei (C), Babadag (C), Cetatea Enisala (C). Other remarks: Babadag (Rákósy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975).
- Lacanobia thalassina* (Hufnagel, 1766): Babadag, Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Lacanobia suasa* ([Denis & Schiffermüller], 1775): Babadag, Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Lacanobia splendens* (Hübner, [1808]): Plopu, 25.VIII.2011 (1 spec.), 13.VI.2012 (3 specs), Babadag, 26.VIII.2011 (1 spec.), Cetatea Enisala, 14.VI.2012 (3 specs).
- Mamestra brassicae* (Linnaeus, 1758): Beștepe (C); Plopu (C); Histria (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Sideridis turbida* (Esper, 1790): Cheile Dobrogei, 27-28.V.2011 (C). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Sideridis lampra* (Schawerda, 1913): Cheile Dobrogei, 27-28.V.2011 (4 specs), 15.VI.2012 (2 specs).
- Saragossa implexa* (Hübner, [1809]): Cheile Dobrogei, 15.VI.2012 (1 spec.). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Saragossa siccanorum* (Staudinger, 1870): Plopu, 24.VIII.2008 (2 ♂♂), 25.VIII.2011 (1 ♂), 29.VIII.2011 (1 ♂) (Plate 2: 20).
- Saragossa porosa* (Eversmann, 1854): Plopu, 19.V-1.VI. and 6-30. VIII. (C) (Székely & Dincă, 2009) (Plate 2: 19). Protected species (Additional list-25).
- Conisania luteago* ([Denis & Schiffermüller], 1775): Beștepe (R), Plopu (R), Histria (R).
- Hecatera cappa* (Hübner, [1809]): Babadag (1 spec.), Histria (2 specs), Beștepe (2 specs), Plopu (4 specs), Cetatea Enisala, 14.VI.2012 (3 specs). Other remarks: Agigea (Popescu-Gorj & Drăghia, 1964; Rákósy, 1996; Székely & Cernea, 2007).
- Anarta trifolii* (Hufnagel, 1766): Plopu (C), Murighiol (C), Grindul Chituc (C), Histria (C), Cheile Dobrogei (VC), Babadag (VC), Cetatea Enisala (RC). Common throughout the region.
- Anarta (Calocestra) stigmosa* (Christoph, 1887): Plopu (VC), Histria (VC), Babadag (R), Cetatea Enisala, 14.VI.2012 (C). Other remarks: Agigea (Rákósy, 1996). Protected species (Additional list-26).
- Hadena capsincola* ([Denis & Schiffermüller], 1775): Babadag (Rákósy & Wieser, 2000).
- Hadena albimacula* (Borkhausen, 1792): Cheile Dobrogei, 15.VI.2012 (1 spec.).
- Hadena syriaca podolica* (Kremky, 1937): Babadag (Rákósy & Wieser, 2000).
- Hadena (Enterpia) laudeti* (Boisduval, 1840)*: Agigea (Rákósy, 1996; Rákósy & Székely, 1996).
- Mythimna turca* (Linnaeus, 1761): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Mythimna ferrago* (Fabricius, 1787): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákósy & Wieser, 2000).
- Mythimna albipuncta* ([Denis & Schiffermüller], 1775): Plopu (C), Murighiol (C), Histria (C), Babadag, 3.X.2010 (5 specs), Gura Dobrogei, 28-29.IV.2012 (RC). Other remarks: Babadag (Rákósy & Wieser, 2000), Agigea (Marcu & Rákósy, 2002).
- Mythimna straminea* (Treitschke, 1825): Plopu (RC), Histria (C), Cetatea Enisala, 14.VI.2012 (RC), Cheile Dobrogei, 15.VI.2012 (R).
- Mythimna impura* (Hübner, [1808]): Plopu (R), Histria (R).

- Mythimna vitellina* (Hübner, [1808]): Plopu (VC), Histria (VC), Murighiol (C), Babadag (VC), Cheile Dobrogei (VC). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Mythimna pudorina* ([Denis & Schiffermüller], 1775): Plopu (R), Histria (RC).
- Mythimna pallens* (Linnaeus, 1758): Plopu (C), Histria (C). Other remarks: Babadag (Rákosy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975).
- Mythimna congrua* (Hübner, [1817]): Babadag (Rákosy & Wieser, 2000).
- Mythimna l-album* (Linnaeus, 1767): Histria (RC), Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Mythimna unipuncta* (Haworth, 1809): Histria, 17.X.2008 (1 ♀) (Székely, Dincă & Juhász, 2011). Other remarks: Agigea (Popescu-Gorj & Drăghia, 1966).
- Leucania comma* (Linnaeus, 1761): Plopu (C), Murighiol (C), Histria (C).
- Leucania obsoleta* (Hübner, [1803]): Plopu (R), Histria (C).
- Leucania zaeae* (Duponchel, 1827): Histria, 26-30.VIII.2009 (3 specs) (det. L. Ronkay).
- Leucania punctosa* (Treitschke, 1825): Plopu, 29-30.VIII.2011 (VC). *First record for the Romanian fauna.* (Plate 2: 25) (Székely & Dincă, in press).
- Acantholeucania loreyi* (Duponchel, 1827): Plopu, 24-25.VIII.2007 (2 ♂♂), Histria, 26.VIII.2007 (1 ♀). Other remarks: Agigea (Marcu & Rákosy, 2002).
- Senta flammea* (Curtis, 1828): Histria, 21.VII-25.VIII (R). Other remarks: Agigea (Rákosy, 1996).

Subfamily Noctuinae

- Peridroma saucia* (Hübner, 1808): Histria, 24-27.VIII (R), Babadag 19.VII-25.X. (R), Cheile Dobrogei, 4.X.2010 (1 spec.). Other remarks: Agigea (Rákosy & Székely, 1996); Babadag (Rákosy & Wieser, 2000).
- Dichagyris renigera* (Hübner, 1808): Cheile Dobrogei, 29.V.2010 (1 ♂). Other remarks: Agigea (Popescu-Gorj & Drăghia, 1964; Rákosy, 1996; Marcu & Rákosy, 2002; Székely & Cernea, 2007).
- Dichagyris flammatra* ([Denis & Schiffermüller], 1775): Plopu (R), Histria (R), Babadag, 3.X.2010 (1 spec.). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Dichagyris forcipula* ([Denis & Schiffermüller], 1775): Cetatea Enisala, 14.VI.2012 (3 specs), Cheile Dobrogei, 15.VI.2012 (4 specs)
- Dichagyris nigrescens* (Höfner, 1887): Histria, 27.VIII.2008 (1 ♀), Cheile Dobrogei, 15.VI.2012 (2 specs). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Dichagyris flavina* (Herrich-Schaffer, [1852])*: Agigea (Bobârnac & Stănoiu, 1975; Rákosy, 1996).
- Euxoa aquilina* ([Denis & Schiffermüller], 1775): Histria, 24-30.VIII (R). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Euxoa obelisca* ([Denis & Schiffermüller], 1775): Plopu (R), Histria (R). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Euxoa temera* (Hübner, [1808]): Plopu (R), Histria (R), Babadag, 3.X.2010 (2 specs). Other remarks: Babadag (Rákosy & Wieser, 2000); Constanța (Székely & Cernea, 2007).
- Euxoa nigricans* (Linnaeus, 1758): Histria, 22.VI.2009 (1 ♀). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Euxoa segnilis* (Duponchel, 1836): Plopu (VC), Histria (VC) (det. L. Ronkay).
- Euxoa glabella* Wagner, 1930*: Agigea (Popescu-Gorj & Drăghia, 1966; Rákosy, 1996).
- Euxoa cos* (Hübner, [1808]): Cheile Dobrogei, 16.VIII.2010 (2 ♂♂) (Plate 2: 23).
- Euxoa distinguenda* (Lederer, 1857)*: Agigea (Rákosy, 1996).

- Euxoa (tritici) nigrofusca* (Esper, [1788]): Histria, 26.VIII.2009 (1 ♂) (det. L. Ronkay). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Agrotis bigramma* (Esper, 1790): Murighiol (C), Plopu (VC), Histria (VC), Cheile Dobrogei, 16.VIII.2010 (4 specs), Babadag (C). Other remarks: Babadag (Rákosy & Wieser, 2000). Common throughout the region.
- Agrotis vestigialis* (Hufnagel, 1766)*: Agigea (Rákosy, 1996).
- Agrotis ipsilon* (Hufnagel, 1766): Murighiol (C), Plopu (VC), Histria (VC), Babadag (C), Cheile Dobrogei (C), Cetatea Enisala, 14.VI.2012 (RC). Other remarks: Babadag (Rákosy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975). Common throughout the region.
- Agrotis clavis* (Hufnagel, 1766): Histria, 25.VIII.2008 (1 ♂).
- Agrotis cinerea* ([Denis & Schiffermüller], 1775): Cheile Dobrogei, 16.VIII.2010 (R), 27-28.V.2011 (5 specs), Gura Dobrogei, 28-29.IV.2012 (RC).
- Agrotis desertorum* Boisduval, 1840*: Agigea (Bobârnac & Stănoiu, 1975; Rákosy, 1996).
- Agrotis exclamationis* (Linnaeus, 1758): Murighiol (C), Plopu (VC), Histria (VC), Babadag (C), Cheile Dobrogei, 27.V.-15.VI. (C). Other remarks: Babadag (Rákosy & Wieser, 2000); Agigea (Bobârnac & Stănoiu, 1975). Common throughout the region.
- Agrotis segetum* ([Denis & Schiffermüller], 1775): Murighiol (C), Plopu (VC), Histria (VC), Babadag (C), Cheile Dobrogei (C). Other remarks: Babadag (Rákosy & Wieser, 2000) Agigea (Bobârnac & Stănoiu, 1975). Common throughout the region.
- Agrotis obesa* Boisduval, 1829: Plopu, 25.VIII-26.IX (R). Other remarks: Agigea (Rákosy, 1996).
- Agrotis puta* (Hübner, [1803]): Histria, 23-27.IX. (3 specs), Plopu (R), Babadag 24.IX-3.X (RC).
- Axylia putris* (Linnaeus, 1761): Cheile Dobrogei, 27-28.V.2011 (C). Other remarks: Babadag (Rákosy & Wieser, 2000), Agigea (Marcu & Rákosy, 2002).
- Ochropleura plecta* (Linnaeus, 1758): Plopu (VC), Histria (VC), Cheile Dobrogei, 27-28.V.2011 (5 specs). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Cerastis rubricosa* ([Denis & Schiffermüller], 1775): Babadag, 29.IV.2011 (1 spec.).
- Rhyacia simulans* (Hufnagel, 1766): Histria, 19.VI.2009 (1 ♂). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Rhyacia arenacea* (Hampson, 1907): Babadag, 31.V.2010 (1 ♂).
- Chersotis rectangula* ([Denis & Schiffermüller], 1775): Babadag, 21.VI.2009 (1 spec.), Cetatea Enisala, 14.VI.2012 (4 specs). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Chersotis laeta macini* Rákosy, Stangelmeier & Wieser, 1996: Cetatea Enisala, 14.VI.2012 (VC), Cheile Dobrogei, 15.VI.2012 (C) (Plate 2: 34).
- Chersotis fimbriola niculescui* Rákosy, 1997: Cetatea Enisala, 14.VI.2012 (VC) (Plate 2: 35).
- Noctua pronuba* (Linnaeus, 1758): Murighiol (C), Plopu (VC), Histria (VC), Babadag (VC), Cheile Dobrogei (C), Cetatea Enisala, 14.VI.2012 (2 specs). Other remarks: Babadag (Rákosy & Wieser, 2000), Agigea (Marcu & Rákosy, 2002).
- Noctua comes* (Hübner, 1813): Plopu (R), Histria (R), Babadag 3.X.2010 (1 spec.), 24.IX.2011 (C), Cheile Dobrogei, 4.X.2010 (1 spec.), 15.VI.2012 (1 spec.).
- Noctua orbona* (Hufnagel, 1766): Babadag (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Noctua fimbriata* (Schreber, 1759): Murighiol (C), Plopu (C), Histria (R), Babadag (C), Cheile Dobrogei (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

- Noctua janthina* ([Denis & Schiffermüller], 1775): Babadag (RC), Cheile Dobrogei (RC), Plopu (R). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Noctua interposita* (Hübner, 1790): Plopu (R), Histria (R), Babadag 31.V.2010 (3 specs), Cheile Dobrogei, 27-28.V.2011 (2 specs), 15.VI.2012 (3 specs), Cetatea Enisala, 14.VI.2012 (RC).
- Noctua interjecta* (Hübner, 1803): Babadag (Rákosy & Wieser, 2000).
- Epilecta linogrisea* ([Denis & Schiffermüller], 1775): Beştepe, 24.VIII.2007 (1 ♀). Other remarks: Babadag (Rákosy, 1996).
- Spaelotis ravidata* ([Denis & Schiffermüller], 1775): Babadag (Rákosy & Wieser, 2000); Agigea (Marcu & Rákosy, 2002).
- Opigena polygona* ([Denis & Schiffermüller], 1775): Babadag (Rákosy & Wieser, 2000).
- Xestia stigmatica* (Hübner, [1813]) (= *rhomboidea* sensu auct. nec Esper, 1790): Cheile Dobrogei, 15.VI.2012 (1 spec.).
- Xestia c-nigrum* (Linnaeus, 1758): Babadag (RC), Cheile Dobrogei (C). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Xestia triangulum* (Hufnagel, 1766): Babadag (Rákosy & Wieser, 2000).
- Xestia xanthographa* ([Denis & Schiffermüller], 1775): Babadag, 19.VII-4.X (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Xestia cohaesa* (Herrich-Schaffer, [1849]): Histria, 27.IX.-24.X (R), Babadag, 23.IX.-25.X. (R).
- Eugnorisma depuncta* (Linnaeus, 1761): Babadag (Rákosy & Wieser, 2000).
- Naenia typica* (Linnaeus, 1758): Cheile Dobrogei, 15.VI.2012 (1 spec.) *First record for Dobrogea fauna.*

Family Lymantriidae

- Lymantria dispar* (Linnaeus, 1758): Babadag, Beştepe, Histria, Cheile Dobrogei, Plopu, Cetatea Enisala. Common throughout the region. Other remarks: Babadag (Rákosy & Wieser, 2000).
- Parocneria terebinthi* (Freyer, 1838): Babadag, 31.V.2010 (1 ♂, 2 ♀♀), 12.VI.2012 (4 ♂♂, 1 ♀), 13.VIII.2010 (23 ♂♂, 4 ♀♀) (Plate 2: 27). Protected species (Additional list-29).
- Callitaera pudibunda* (Linnaeus, 1758): Babadag (R), Cheile Dobrogei (R). Other remarks: Babadag (Rákosy & Wieser, 2000).
- Orgyia antiqua* (Linnaeus, 1758): Babadag, 19.VII.2009 (2 ♂♂).
- Euproctis chryorrhoea* (Hübner, 1822): Babadag, Histria, Plopu. Common throughout the region.
- Euproctis similis* (Fuessly, 1767): Babadag, Histria, Cheile Dobrogei, Plopu. Very common throughout the region. Other remarks: Babadag (Rákosy & Wieser, 2000).
- Laelia coenosa* (Hübner, 1808): Babadag, Histria, Cheile Dobrogei, Plopu, Cetatea Enisala. Very common throughout the region.
- Leucoma salicis* (Linnaeus, 1758): Plopu (R), Histria (R), Cetatea Enisala, 14.VI.2012 (1 ♀).
- Arctornis l-nigrum* (Müller, 1764): Babadag, 21.VI-19.VII. (VC), Cetatea Enisala, 14.VI.2012 (RC).

Family Nolidae

Subfamily Nolinae

- Meganola togatulalis* (Hübner, 1798): Cheile Dobrogei, 27.V.2011 (1 spec.).
- Meganola strigula* (Denis & Schiffermüller, 1775): Babadag (RC), Cheile Dobrogei (RC). Other remarks: Babadag (Rákosy & Wieser, 2000).

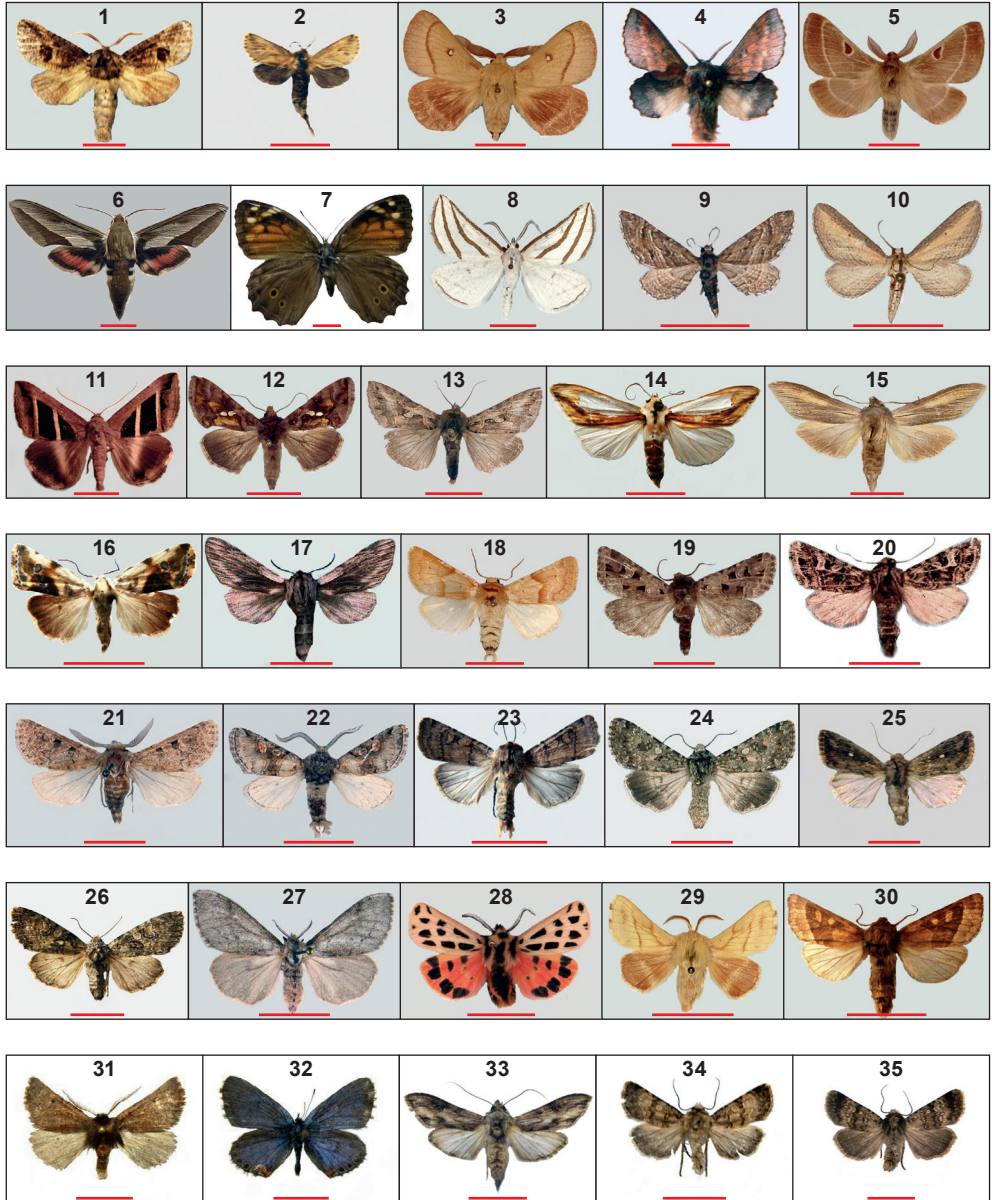


Plate 2 - 1, *Catopta thrips*; 2, *Dyspessa salicicola*; 3, *Lasiocampa eversmanni*; 4, *Phyllodesma ilicifolia*; 5, *Lemonia balcanica*; 6, *Hyles hippophaes*; 7, *Kirinia roxelana*; 8, *Megaspilates mundataria*; 9, *Eupithecia variostrigata*; 10, *Eupithecia biornata*; 11, *Grammodes bifasciata*; 12, *Chrysodeixis chalcites*; 13, *Cornutiplusia circumflexa*; 14, *Cucullia argentina*; 15, *Cucullia biornata*; 16, *Tarachidia candefacta*; 17, *Simyra dentinosa*; 18, *Mycteroplus puniceago*; 19, *Saragossa porosa*; 20, *Saragossa siccanorum*; 21, *Episema lederi*; 22, *Cleoceris scoriacea*; 23, *Euxoa cos*; 24, *Cardepi hartigi*; 25, *Leucania punctosa*; 26, *Polia cherrug*; 27, *Parocneria terebynthi*; 28, *Chelis maculosa mannerheimii*; 29, *Malacosoma castrensis*; 30, *Gortyna cervago*; 31, *Dasycorsa modesta*; 32, *Pseudophilotes bavius*; 33, *Cucullia santonici*; 34, *Chersotis laeta macini*; 35, *Chersotis fimbriola niculescui* (Photos: L.Székely). Scale bar (red line): 10 mm.

Nola cuculatella (Linnaeus, 1758):* Agigea (Bobârnac & Stănoiu, 1975).
Nola chlamitulalis (Hübner, 1813): Cheile Dobrogei, 27-28.V.2011 (1 spec.). Other remarks: Babadag (Rákosy & Wieser, 2000).

Subfamily Chloephorinae

Nycteola asiatica (Krulikowsky, 1904): Plopu, 24-30.VIII (R), Histria, 23-30.VIII (R), Cheile Dobrogei, 16.VIII.2010 (2 specs).
Bena bicolorana (Fuessly, 1775) (= *prasinana* auct., nec Linnaeus): Babadag, Cheile Dobrogei (C). Other remarks: Babadag (Rákosy & Wieser, 2000).
Pseudoips prasinana (Linnaeus, 1758) (= *fagana* Fabricius, 1781): Babadag, 31.V.-1.VI.2010 (5 specs). Other remarks: Babadag (Rákosy & Wieser, 2000).

Subfamily Earidinae

Earias clorana (Linnaeus, 1758): Babadag, Cheile Dobrogei (R). Other remarks: Babadag (Rákosy & Wieser, 2000).

Family Arctiidae

Subfamily Lithosiinae

Thumata senex (Hübner, 1808): Plopu, 25-30.VIII.2011 (4 specs), Cetatea Enisala, 14.VI.2012 (1 spec.).
Mitochrista miniata (Forster, 1771): Babadag, Cheile Dobrogei (C). Other remarks: Babadag (Rákosy & Wieser, 2000).
Pelosia muscerda (Hufnagel, 1766): Plopu (R), Histria (R), Beștepe (R), Babadag (R). Other remarks: Babadag (Rákosy & Wieser, 2000).
Pelosia obtusa (Herrich-Schäffer, 1847): Plopu (VC), Histria (VC).
Lithosia quadra (Linnaeus, 1758): Babadag, 12.VI.2012 (2 specs), 26.VIII.2011 (1 spec.), 3.X.2010 (2 specs), Cheile Dobrogei, 15.VI.2012 (3 specs).
Eilema lurideola (Zincken, 1817): Babadag, 19.VII.2009 (C).
Eilema complana balcanica (Daniel, 1939): Plopu (R), Histria (R), Cheile Dobrogei, 14.VI.2012 (R).
Eilema caniola (Hübner, 1808): Plopu (R), Histria (R), Babadag (C), Cheile Dobrogei (RC).
Eilema palliatella (Scopoli, 1763): Babadag (Rákosy & Wieser, 2000).
Eilema pygmaeola pallifrons (Zeller, 1847): Babadag, Cheile Dobrogei (RC), Plopu, 25-30.VIII.2011 (RC), Histria, 27.VIII.2011 (2 specs). Other remarks: Babadag (Rákosy & Wieser, 2000).
Wittia sororcula (Hufnagel, 1766): Babadag (VC), Cheile Dobrogei (VC), Gura Dobrogei, 28-29.IV.2012 (RC).

Subfamily Syntominiinae

Amata phegea (Linnaeus, 1758): Babadag, Slava Rusă, 20-21.VI.2009 (C), Visterna, 20.VI.2009 (RC).
Amata kruegeri marjana (Stauder, 1913): Babadag, Slava Rusă, 20-21.VI.2009 (RC), Visterna, 20.VI.2009 (R), Cetatea Enisala 14.VI.2012 (1 spec.).
Dysauxes ancilla (Linnaeus, 1767): Beștepe (R), Plopu (R), Histria (R).
Dysauxes punctata (Fabricius, 1781): Plopu (R), Histria (R), Cheile Dobrogei, 16.VIII.2010 (1 spec.).
Dysauxes famula (Freyer, 1836): Plopu (C), Histria (C), Babadag (C), Cheile Dobrogei (C), Gura Dobrogei (RC), Cetatea Enisala (C). Other remarks: Babadag (Rákosy & Wieser, 2000); Mamaia (Székely & Cernea, 2007).

Subfamily Arctiinae

Phragmatobia fuliginosa (Linnaeus, 1758): Babadag, Năvodari, Ciucurova, Histria, Cheile Dobrogei, Gura Dobrogei, Murighiol, Mahmudia, Plopu, Cetatea Enisala. Common throughout the region.

Spilarctia lutea (Hufnagel, 1766): Cheile Dobrogei, 27-28.V.2011 (R). Other remarks: Agigea (Rákosy & Székely, 1996); Babadag (Rákosy & Wieser, 2000).

Spilosoma lubricipeda (Linnaeus, 1758): Plopu (C), Histria (C), Cheile Dobrogei (C). Other remarks: Babadag (Rákosy & Wieser, 2000).

Spilosoma urticae (Esper, 1789): Plopu (R), Histria (R), Cheile Dobrogei, 16.VIII.2010, 27-28.V.2011 (C).

Hyphantria cunea (Drury, 1773): Beştepe (C), Babadag (RC), Plopu (R), Histria (R), Năvodari (R), Cheile Dobrogei, 27-28.V.2011 (RC). Other remarks: Agigea (Rákosy & Székely, 1996); Babadag (Rákosy & Wieser, 2000).

Diaphora mendica (Clerck, 1759): Plopu, 19.V.2009 (1 ♂).

Ocnogyna parasita (Hübner, 1790)**: Agigea (Nemeş & Voicu, 1973).

Chelis maculosa mannerheimii (Duponchel, 1936): Plopu (C), Histria (RC), Cheile Dobrogei, 16.VIII.2010 (RC), 27-28.V.2011, 15.VI.2012 (RC), Cetatea Enisala, 14.VI.2012 (4 specs) (Plate 2: 28).

Rhyparioides metelkana (Lederer, 1861): Murighiol, 15-17.VII (C) (leg. Hácş T. & I. Juhász). Other remarks: Agigea (Alexinschi, 1952); Murighiol (König, 1993). Protected species (Additional list-31).

Diacrisia sannio (Linnaeus, 1758): Cheile Dobrogei, 27-28.V.2011 (2 specs).

Arctia villica (Linnaeus, 1758): Babadag, 23.V-1.VI. (VC), Beştepe (R), Cheile Dobrogei, 27-28.V.2011 (2 specs), Plopu, 26.V.2011 (1 spec.). Other remarks: Babadag (Rákosy & Wieser, 2000).

Arctia festiva (Hufnagel, 1766): Babadag, Beştepe, 27-30.IV (R).

Euplagia quadripunctaria (Poda, 1761): Babadag (RC), Cheile Dobrogei (RC), Gura Dobrogei (R). Protected species (Additional list-32).

DISCUSSIONS

The increasing amount of data regarding the Macrolepidoptera fauna of Dobrogea is partially due to the more modern collecting methods employed, which were not accessible in Romania before 2000, such as portable electricity generators, mobile traps, UV tubes etc. These more modern methods made possible faunistical investigations in many more areas, not accessible for research in the past, such as: salt steppe areas and salt marshes, seaside-sands etc.

Our study highlights the unique character of the landscape of Dobrogea, which continues to be the most fertile territory as far the Lepidoptorology in Romania is concerned. Dobrogea represents a very special territory for Romania's fauna, where the possibilities to make valuable discoveries remain open in the future, due to the north-eastern exposure to the steppes of southern Ukraine and the southern exposure towards the eastern part of the Balkan Peninsula through the Black Sea coast and southern Dobrogea.

This work lists 697 species of Macrolepidoptera from Central Dobrogea. Ten species are new to the fauna of Dobrogea. However, this number is not final. Many sites similar to the actual research areas are to be found near the large lakes from Dobrogea and on the seaside. Considering the great diversity of habitats, from the salt steppe areas to the forests and karsts, one can estimate that the number of Macrolepidoptera from Central Dobrogea should exceed 750-800 species.

During the last three years only, in this area there have been recorded three Macrolepidoptera species for the first time in the Romanian fauna (*Cucullia argentina*, *Tarachidia candefacta* and *Leucania punctosa*). Moreover ten species presented in this work are new records for the fauna of Dobrogea.

Central Dobrogea is the northernmost crossing point of the fauna of Asian steppes with the southern fauna specific to the Balkan Peninsula. Many elements characteristic for the Asian- steppes reach in Dobrogea their westernmost distribution limit in Europe, e.g.: *Cucullia argentina*, *Saragossa siccanorum*, *Megaspilates mundataria* etc. Similarly, several species characteristic for the Balkan Peninsula are at the northern limit of their European range, e.g.: *Dyspessa salicicola*, *Lemonia balcanica*, *Dasycorsa modesta*, *Catarhoe putridaria bulgariata*, *Paradrymonia vittata bulgarica*, *Grammodes bifasciata*, *Chersotis laeta*, *Symira dentinosa*, *Dichagyris renigera*, *Parocneria terebinthi* etc.

The above mentioned reasons promote Central Dobrogea as a region where further faunistical research is highly recommended.

Protection and conservation

Nowadays, most of the habitats under research are part of the “Danube Delta Biosphere Reserve” (from Histria to the northern regions of Dobrogea) and the protection measures taken for the Danube Delta are enforced in these areas too. Unfortunately, these measures and regulations are not always applied.

In the case of “Histria area”, there is no factor that menaces the equilibrium of its habitats. The salt areas and salt marshes are improper for farming, so there is and it will likely not be any attempt to transform them into agricultural land.

The habitat of Plopu-Sarinasuf has been under no threat or environmental harm until the present day. On these areas there is no agriculture, they are salt lands and improper for farming. The fields of *Artemisia* are about 500 m wide and occur on the salt soil, neighbouring with water and farmlands. The sheep flocks that graze in the area seem to represent no serious threat since they do not eat *Artemisia* plants. However, setting the dry vegetation on fire is still in practice especially in the autumn, while garbage is also sometimes deposited on these lands.

“Cheile Dobrogei” is a spectacular area, but displays a desolating landscape due to excessive grazing and tourism. More or less undisturbed flora and fauna is present only on the rocky slopes.

The „Babadag” Forest is a positive example, where the natural reserve status is respected. Grazing, but also the garbage left behind by tourists are less visible. It is one of the most important natural reserves of Dobrogea, and this aspect was also highlighted by the results of the research done on the Lepidoptera fauna of this region. The reserve offers the possibility to safeguard forest associations specific to Dobrogea, especially the old forests with many trees over 100 years old, with a structure very similar to the primary virgin woods of Dobrogea. In addition, the very rich ornithofauna and herpetofauna of this region comprises many species protected by international laws. During the years 2009-2011, Lepidoptera research revealed the presence of some species that in Romania are known only from this region, such as *Symira dentinosa*, *Parocneria terebinthi* (with two generations), or other localized species, such as *Lemonia balcanica*, *Kirinia roxelana*, *Hipparchia syriaca*, *Polyommatus amandus*, *Acontia melanura*, *Acontia titania*, *Cleoceris scoriacea*, *Polia cherrug*, *Amata kruegeri marjana*, *Dyspessa salicicola*, *Catopta (Paracossulus) thrips*. To these one should add 18 protected species by European and national laws, three of them listed in Annex 2 of Habitats Directive (Council

Directive 92/43/EEC). The region should probably be given the status of national park, considering that it could be the last remainder of the vast woodland that covered the surroundings of Babadag some centuries ago.

On the other hand, it is almost useless to create protected areas on the salt steppes. Unfortunately, as it has been stated several times, unsuitable or badly applied measures of environmental protection lead in many cases to the extinction of the species that they should have protected.

Additional list:

Taxa protected by law at European or national level (after: European Union 1992 - Annex II; Rákósy 2003, 2005)
(32 species)

The purpose of the list is to highlight certain inconsistencies between recommendations related for the protected species and the real situation in the investigated area.

Abbreviations:

(Annex 2) = Species of European interest, that require designation of the special conservation areas - (4 species).

(Annex 3 A) = Species of European interest, that require the special protection measures - (4 species).

(Annex 3 B) = Species of national interest, that require the special protection measures - (16 species).

(Annex 3 B+) = Species of national interest, proposed for enlargement of Annex 3B - (8 species).

1. *Catopta (Paracossulus) thrips* (Annex 2) - Data deficient, only one specimen from Babadag.
2. *Lasiocampa eversmanni* (Annex 3 B) – Viable populations at Histria. Not endangered at present.
3. *Phyllodesma ilicifolia* (Annex 3 B) – Data deficient, only one specimen from Babadag.
4. *Lemonia balcanica* (Annex 3 B) – Viable populations at Babadag, Cheile Dobrogei, Gura Dobrogei, Histria. Not endangered at present.
5. *Proserpinus proserpina* (Annex 3 A) – Data deficient, only one specimen from Histria.
6. *Hyles hippophaes* (Annex 3 A) – Sporadic appearance in the whole region. Not endangered at present.
7. *Pyrgus sidae* (Annex 3 B) – Data deficient, only one specimen from Babadag.
8. *Zerynthia polyxena** (Annex 3 A) – Data deficient (Doubtful records from Enisala, requiring reconfirmation).
9. *Parnassius mnemosyne* (Annex 3 A) – Viable populations in Babadag – Slava Rusă. Not endangered at present.
10. *Euchloe ausonia* (Annex 3 B) – Isolated populations at Babadag, Murighiol, Gura Dobrogei.
11. *Lycaena dispar* (Annex 2) – It appears in many wetland areas. Not endangered at present.
12. *Everes (Cupido) alcetas* (Annex 3 B) – Data deficient, only one specimen from Plopu.
13. *Pseudophilotes bavius* (Annex 2) – Viable population at Gura Dobrogei. Habitat requires strict protection.
14. *Poliommatus amandus* (Annex 3 B) – Data deficient, only two specimens from Babadag.
15. *Apatura metis* (Annex 3 B) – Hărșova, Gura Dobrogei. Localized on floodplain forests. Not endangered at present.
16. *Arethusana arethusia* (Annex 3 B) – Viable populations at Babadag – Slava Rusă. Not endangered at present.
17. *Kirinia roxelana* (Annex 3 B) – Data deficient, only one specimen from Babadag.
18. *Paradrymonia vittata bulgarica* (Annex 3 B) – Data deficient, only two specimens from Babadag.
19. *Eublemma ostrina* (Annex 3 B+) – Data deficient, only three specimens from Histria and Cheile Dobrogei.
20. *Diachrysia chryson deltaica* (Annex 3 B) – Viable population at Enisala. Not endangered at present.

21. *Cucullia biornata* (Annex 3 B) – Viable populations at Plopu-Sarinasuf. Not endangered at present.
22. *Cucullia santonici* (Annex 3 B+) – Data deficient, only three specimens from Cheile Dobrogei.
23. *Acontia titania* (Annex 3 B+) – Data deficient, only three specimens from Babadag.
24. *Gortyna cervago* (Annex 3 B+) – Viable populations at Plopu-Sarinasuf and Histria. Not endangered at present.
25. *Saragossa porosa* (Annex 3 B+) – Viable population at Plopu-Sarinasuf. Not endangered at present.
26. *Anarta (Calocestra) stigmosa* (Annex 3 B+) - Very common in many salt steppe areas. Not endangered at present.
27. *Enargia abluta* (Annex 3 B+) – Data deficient, only one specimen from Plopu-Sarinasuf.
28. *Polia cherrug* (Annex 3 B) – Viable population at Babadag. Not endangered at present.
29. *Parocneria terebinthi* (Annex 3 B+) – Viable populations at Babadag. Not endangered at present.
30. *Eupithecia biornata* (Annex 3 B) – Common in salt steppes, especially at Histria. Not endangered.
31. *Rhyparioides metelkana* (Annex 3 B) – Relatively common in some wetland areas. Not endangered in the Danube Delta at present.
32. *Euplagia quadripunctaria* (Annex 2) – Viable populations at Babadag, Gura Dobrogei and Cheile Dobrogei. Not endangered at present.

These estimations express the author's view.

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MACROLEPIDOPTERELE (INSECTA) DIN DOBROGEA CENTRALĂ (ROMÂNIA)

REZUMAT

Lucrarea reprezintă o sinteză a cunoștințelor actuale privind fauna Macrolepidopterelor din partea centrală a Dobrogei și se bazează în primul rând pe rezultatele colectărilor din perioada 2007-2012. Acestea au vizat în special fauna stepelor sărăturoase din jurul marilor lacuri (lagune marine) din Dobrogea, Razim (Razelm) și Sinoe (Histria, Plopu-Sarinasuf etc.), dar și zone de păduri și stâncării (Pădurea Babadag, Cheile Dobrogei, Gura Dobrogei etc.). Cele mai remarcabile rezultate provin din zonele de stepă, de unde sunt semnalate numeroase specii de mare valoare faunistică și zoogeografică, cunoscute înainte ca foarte rare în România și semnalate în foarte puține exemplare, ca *Symira dentinosa* Freyer, 1839, *Cardezia hartigi* (Panzan, 1981), *Grammodes bifasciata* (Petagna, 1787), *Saragossa siccanorum* (Staudinger, 1870) etc. Numai în ultimii 3 ani din această regiune au fost semnalate 3 specii de Noctuidae noi pentru fauna României: *Cucullia argentina* (Fabricius, 1787), *Tarachidia candefacta* (Hübner, [1831]) și *Leucania punctosa* (Treitschke, 1825), în mare parte deja publicate (Székely & Dincă, 2009; Székely, Dincă & Juhász, 2011). Sunt incluse în lucrare 697 specii de Macrolepidoptere (numărul include și datele din literatură, publicate din 1866 până în prezent). Zece specii sunt noi pentru fauna Dobrogei. 237 specii sunt semnalate pentru prima oară din această parte a Dobrogei, multe dintre ele erau cunoscute până în prezent numai din sudul Dobrogei și din Munții Măcin. Numărul speciilor protejate de legile Europene și naționale este de 32, din care 4 specii sunt listate pe Anexa 2- Directiva habitate, cele mai importante fiind *Catopta thrips* (Hübner, 1818), semnalată în 2011 în stepele din sudul Pădurii Babadag și *Pseudophilotes bavius* (Eversmann, 1832) de la Gura Dobrogei.

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