Abstract

The authors made collecting trips to Albania, between the end of September and the beginning of November 2018. Material was collected at light on 11 nights in 10 different localities. Altogether data for 234 species are presented. *Cucullia dracunculi* (Hübner, [1813]), is new for the Balkan Peninsula. Seven genera and 33 species are reported for the first time for Albania; 38 species are reported for the second time for the country. Collecting localities and the adults of some of the species are illustrated in colour; for some species the genitalia, including everted vesicas, are also illustrated.

Keywords: Balkan Peninsula, Albania, faunistic, moths, Lepidoptera, Macrolepidoptera

Introduction

In 2018 the authors spent 40 nights collecting in Albania, spread over five collecting trips from June to November. Results from the trips in June, July and August will be published in other papers. In 2018 authors extended their investigations in some mountains in southern, central and northern Albania. In the autumn most trips were made to the central and northern parts of the country, both in lowland and mountain areas. Albanian Lepidoptera are poorly investigated, especially the autumn fauna, primarily because of a lack of active native researchers and the remote geographical position of Albania from countries with traditions of nature investigation. We found out that even common autumn species such as *Crocallis tussiaria* (Borkh., 1793), *Agriopis bajaria* ([D. S.], 1775), *Erannis defoliaria* (Clerck, 1759), *Operophtera fagata* (Scharf., 1805), *Asteroscopus sphinx* (Hufn., 1766), *Tiliacea sulphurago* ([D. S.], 1775), *Cirrhia ocellaris* (Borkh., 1792), *Anchoscelis nitida* ([D. S.], 1775), *Conistra ligula* (Esper, 1791), *Conistra veronicae* (Hübner, [1813]), *Dichonia convergens* ([D. S.], 1775), *Aporophyla lutulenta* ([D. S.], 1775) and, many *Lithophane* species were not reported for this country. Some of these are reported here as new; others still remain unknown from Albania. Since there is, in particular, a paucity of literature data for marshland species and those feeding on aquatic vegetation, one night was spent collecting near Syri i Kaltër spring and another in the large *Phragmites* field near Lagjja e Re village known as Këneta e Gjeratit marsh, in the Velipoje district. Syri i Kaltër spring was also a target for a collecting trip in November because of the interesting and undescribed Trichoptera species which we found there in October, 2017. Near
Këneta e Gjeratit marsh, one light trap was placed on a small dry hill with maquis nearby. Searching for *Lithophane ledereri* (Staudinger, 1892) and *Lithophane merckii* (Rambur, 1832) we spend time collecting in river valleys near Librazhd, Parpunje and Syri i Kaltër where *Platanus orientalis*, the food plant of *L. ledereri*, is well presented. In one of these localities (Parpunje) *Alnus glutinosa*, the food plant of the caterpillars of *L. merckii*, is also well represented. These species were not found, but we found others, some of them new for Albania. We collected mostly in maquis near the coast during September and October 2016 and particularly in 2017, so in 2018 we paid more attention to habitats with deciduous oak trees such as Qafa e Mollës Pass, Starë, Ulzë and particularly Plani i Bardhë. In Starë and Ulêz *Fraxinus ornus* and *Carpinus orientalis* are well presented, whether in collecting sites near Qafa e Mollës Pass are presented *Castanea sativa*, *Corylus avellana* and *Acer* spp. On 1 November, near Qafa e Mollës Pass, the weather was unseasonally mild and several undoubted migrants as *Sinclera traducalis* (Zeller, 1852), *Spoladea recurvalis* (Fabricius, 1775), *Palpita vitrealis* (Rossi, 1794), *Hydriris ornatalis* (Duponchel, 1832), *Utetheisa pulchella* (Linnaeus, 1758), *Spodoptera littoralis* (Boisduval, 1833) and *Agrotis herzogi* Rebel, 1911 were collected at light.

All material was collected by both authors together; the names of the collectors are not repeated throughout the text. Collecting involved two portable light traps with an 8 watt actinic (368 nm) tube and an 8 watt “Black light”, both powered by 12V batteries, as well as Finnish “tent trap” with a 160 watt MV bulb at the top of the pole and a 20 watt (368 nm) black light over the catching pot below, powered by a 220V generator. An additional 20 watt (368nm) lamp was also positioned about 75 metres from the tent trap. All traps ran throughout the night. Genitalia were fixed on glass in Euparal or kept in microvial in Glycerol. Glass slides were prepared by SB and photographed with Zeiss stereo microscope Stemi 2000-C with axiCam eRC 5s. Everted vesicas were photographed in Euparal Essence. All genitalia are stained with 2% Merbromin solution. Insects were photographed with a Sony DSCX400v digital camera. All materials are part of the coll. S. Beshkov in National Museum of Natural History, Sofia. Tortricidae specimens were given to Boyan Zlatkov (Sofia) for identification. Pyraloidea and some other Microlepidoptera were sent to Colin W. Plant for examination and subsequent publishing. Here are reported a few Crambidae (Pyraloidea) known as migrants, pest species or emblematic species easy to identify.

Both autumn trips were financially supported by Prof. Emeritus János Oláh (Debrecen, Hungary), an expert on Trichoptera and by the Balkans Moth Project organised by Colin W. Plant (Bishops Stortford, UK) and financed thorough Internet “crowd funding” (see: https://www.justgiving.com/crowdfunding/colin-plant).
Collecting localities

Localities are indicated in Map 1 in which the site numbers, ascending from north to south and from west to east, are repeated here. In the species accounts, localities are arranged chronologically.


2. Këneta e Gjeratit: Shkodra County, Laggja e Re village vicinity, Këneta e Gjeratit marsh, 0m, N41.9255: E19.4375, 29.ix.2018, Typha-Phragmites and a hill with maquis (Plate 1: 2).

3. Ulëz: Dibër county, Ulëz reservoir vicinity, above Ulëz village, 225m, N41.6841: E19.8844, 5.xi.2018, Quercus-Fraxinus ornus, Cotinus coggigria, Carpinus, Erica arborea, Juniperus oxycedrus, etc. (Plate 2: 1).

4. Plani i Bardhë: Mt. Thanës, near Bulqizë town, above Plani i Bardhë village, 767m, N41.4762: E20.1554, 30.ix.2018, stony slopes with Artemisia and single trees of Quercus, Pinus, etc. (Plate 2: 2).

5. Qafa e Mollës, 665 m: Tirana County, Dajt Mt, Qafa e Mollës Pass, 665m, N41.3643: E19.9654, 1.xi.2018, Quercus-Carpinus-Coryllus-Acer forest and open slopes with Juniperus, etc. (Plate 3: 1).

6. Qafa e Mollës, 795m: Tirana County, Dajt Mt, near Qafa e Mollës Pass, 795m, N41.3600: E19.9493, 5.xi.2018, Quercus-Coryllus-Castanea forest (Plate 3: 2).

7. Parpunje: Tirana County, Dajt Mt., near Parpunje village, below Shkkallë on the road to Verr, 439m, N41.3138: E20.0187, 31.x.2018, river valley with Salix, Platanus orientalis, Almus glutinosa, Quercus, etc. (Plate 4: 1).

8. Librazhd: Librazhd County, Shkumbini River Valley, between Librazhd and Hotolisht, 287m, N41.1458: E20.3766, 29.x.2018, River valley with Salix, Platanus, Populus, Quercus, etc. (Plate 4: 2).


**Inventory of species**

Families are arranged according to Aarvik *et al.* (2017). Sequence and nomenclature of families Erebidae and Noctuidae follow Fibiger *et al.* (2010) with incorporated subsequent changes from recent taxonomic revisions. For common species such as *Catocala elocata, Agrotis segetum, Peribatodes rhomboidaria, Scopula marginipunctata* etc., and for the species with five or more published localities, with some exceptions literature sources with localities are not presented below. Species which were only observed in the field are given without numbers of individuals.

**Hepialidae** Stephens, 1829

*Triodia sylvina* (Linnaeus, [1760]) Plani i Bardhë. Known from Goricë near Korçë (Misja, 1990). The locality Galičica reported by Rebel & Zerny (1931), follows the report of Drenowsky (1930) but is in Macedonia, not in Albania.

**Hesperiidae** Latreille, 1809

*Gegenes pumilio* (Hoffmansegg, 1804) Ardenica, 1 ♀.

**Lycaenidae** Leach, 1815

*Favonius quercus* (Linnaeus, 1758) Syri i Kaltër.

*Leptotes pirithous* (Linnaeus, 1767) Qafa e Mollës, 665m.

**Nymphalidae** Rafinesque, 1815

*Vanessa atalanta* (Linnaeus, 1758) Qafa e Mollës, 795m, 1 ♀ at light; Syri i Kaltër. End of September – middle of October *Vanessa atalanta* was present almost everywhere and sometime in large numbers, even in the big towns, without any doubt a result of migration.

* Danaus chrysippus* (Linnaeus, 1758) Albania, Ionian Sea Coast, Between Qeparo and Porto Palermo, Himara district, N40.05039, E019.80330, 2m, 04.xi.2018, several specimens.

**Crambidae** Latreille, 1810


*Pleuroptera ruralis* (Scopoli, 1763) Qafa e Mollës, 795m, 1 ♀.

*Spoladea recurvalis* (Fabricius, 1775) Qafa e Mollës, 665m, 1 ♂ (Plate 6: 1) and 1 ♀.

Cosmopolitan species – widespread in subtropical and tropical areas all over the world, migrating north in late summer (Slamka, 2013). For the Balkans, the map in Slamka (2013) shows a report from Greece only. There are two specimens known from in Bulgaria (Plant, 2016). Without any doubt the Albanian specimens are also immigrants. Known in Albania from Ksamil, 18.x.2016 (Plant et al., 2017). Second report for Albania.

*Palpita vitrealis* (Rossi, 1794) Parpunje; Qafa e Mollës, 665m; Ardenica; Ullëz.

*Cydalima perspectalis* (Walker, 1859) Këneta e Gjeratit, 1 ♂ ; Plani i Bardhë. This species was reported recently as a new for Albania (Raineri et al., 2017), but for more than 80 nights collecting in this country during 2016-2018, even in localities where
Plate 2. 1. Uëlëz; 2. Plani i Bardhë.
Plate 3. 1. Qafa e Mollës, 665m; 2. Qafa e Mollës, 795m.
Plate 4. 1. Parpunje; 2. Librazhd.
Plate 5. 1. Ardenica; 2. Syri i Kaltër.
Buxus is native and abundant, we found only a single specimens at two localities. In Bulgaria where there is no native Buxus, Cydalima perspectalis is a pest only in towns and villages. It is collected also at light in wild nature far away from settlements with its host plant.

Synclera traducalis (Zeller, 1852) Qafa e Mollës, 665m, 1 ♂ (Plate 6: 2). In Europe recorded as immigrant in S Sweden, S Bulgaria and Crimea (Slamka, 2013). In the Balkans, known only from Bulgaria (Plant & Jakšić, 2018). We report it as immigrant in Albania. New genus and a new species for Albania.

Hydriris ornatalis (Duponchel, 1832) Ulëz, 1 ♂ (Plate 6: 3). According to Plant (2016) this is also a native of the tropical and sub tropical regions further south and as elsewhere in Europe examples are of immigrants. We agree with the opinion of Plant and accept the Albanian specimen as immigrant. Known in Albania from Vukopoles near Poliçan, 25.x.2016 (Plant et al., 2017). Second report for Albania.

Nomophila noctuella ([Denis & Schiffermüller], 1775) Qafa e Mollës, 795m; Starë, 28.x.2018.

Drepanidae Boisduval, 1828


Geometridae Stephens, 1829

Macaria artesiaria ([Denis & Schiffermüller], 1775) Librazhd, 1 ♀; Parpunje, 2 ♂ ♂ and 5 ♀ ♀. Known from Kula e Lumës and Elbasan (Rebel & Zerny, 1931). Second report for Albania.


Rhoptria asperaria (Hübner, 1817) (=aspersaria misspelling) Ardenica.

Pachycnemia hippocastanaria (Hübner, 1799) Qafa e Mollës, 665m.

Opistograptis luteolata (Linnaeus, 1758) Qafa e Mollës, 795m; Parpunje; Qafa e Mollës, 665m.


Ennomos erosaria ([Denis & Schiffermüller], 1775) Qafa e Mollës, 795m, 3 ♂ ♂; Starë, 28.x.2018, 1 ♂; Parpunje. Known from Tirana, Iba, Gorica near Korçë, Pogradec, Vermosh (Misja, 1977).

Crocallis tusciaria (Borkhausen, 1793) Parpunje; Qafa e Mollës, 665m; Syri i Kaltër, 1 ♂ (Plate 6: 4); Starë, 04.xi.2018; Ulëz, 1 ♂. New species for Albania.

Crocallis elinguaria (Linnaeus, 1758) Qafa e Mollës, 795m, 1 ♂; Starë, 28.x.2018, 1 ♂; Këneta e Gjeratit. Known from Tirana, Markaj, Tomorrriçë (Misja, 1977), Zogaj (Beshkov, 1995).

Colotios pennaria (Linnaeus, [1760]) Parpunje; Qafa e Mollës, 665m; Syri i Kaltër; Starë, 04.xi.2018; Ulëz. Known from Babja (Rebel & Zerny, 1931). The locality Galićica reported by Rebel & Zerny (1931), follows the report of Drenowsky (1930) but is in Macedonia, not in Albania. Second report for Albania.
Menophra japygiaria (Costa, 1849) Ardenica, 1 ♂ (Plate 6: 5). New species for Albania.

Peribatodes rhomboidaria ([Denis & Schiffermüller], 1775) Qafa e Mollës, 795m; Starë, 28.ix.2018, 04.xi.2018; Këneta e Gjeratit; Plani i Bardhë; Librazhd; Parpunje; Qafa e Mollës, 665m; Ardenica; Ulëz.


Peribatodes secundaria ([Denis & Schiffermüller], 1775) Qafa e Mollës, 665m, 1 ♂. Known from Tirana and Divjakë (Misja, 1977). Second report for Albania.


Selidosema plumaria ([Denis & Schiffermüller], 1775) Starë, 28.ix.2018, 1 ♂; Plani i Bardhë. Known from Bështriq, Tomor (Rebel & Zerny, 1931), Kushi as S. brunearia (de Villers, 1789) (Beshkov, 1995).

Campaea margaritata (Linnaeus, [1760]) Qafa e Mollës, 795m; Starë, 28.ix.2018; Plani i Bardhë; Librazhd.

Hylaea fasciaria (Linnaeus, 1758) Plani i Bardhë. Known from Lurja (Urbahn, 1966) and Balgjaj (Misja, 1977).

Gnophos sartata Treitschke, 1827 Qafa e Mollës, 795m, 1 ♂; Starë, 28.ix.2018; Këneta e Gjeratit; Plani i Bardhë.


Charissa variegata (Duponchel, 1830) Starë, 28.ix.2018; Plani i Bardhë; Parpunje; Qafa e Mollës, 665m. Known from Kula e Lumës, Bikaj, Shkodra, Oroshi, Pasha Liman (Rebel & Zerny, 1931). The locality Galičica reported by Rebel & Zerny (1931), follows the report of Drenowsky (1930), but is in Macedonia, not in Albania.


Cataclysmoe riguata (Hübner, 1813) Librazhd; Qafa e Mollës, 665m.


Xanthorhoe oxybiata (Millière, 1872) Starë, 28.ix.2018, 7 ♂ ♂ (Plate 7: 2) and 1 ♀.

Bipectinate male antennae can easily split this species from the similar Epirrhoe galiata ([Denis & Schiffermüller], 1775). New species for Albania.

Costaconvexa polygrammata (Borkhausen, 1794) Starë, 28.ix.2018, 1 ♀; Ardenica.


Larentia clavaria (Haworth, 1809) Syri i Kaltër, 1 ♂ (Plate 7: 3). New genus and a new species for Albania.

Coenotephria ablutaria (Boisduval, 1840) (=Cidaria salicata Hübner, auct.) Starë, 28.ix.2018, 3 ♂ ♂ (Plate 7: 4); Librazhd, 1 ♂ and 1 ♀; Ardenica, 2 ♀ ♀; Ulëz, 1 ♀. These specimens seem to belong to ssp. probaria (Herrich-Schaffer, 1852). New species for Albania.
Nebula senectaria (Herrich-Schäffer, 1852) Plani i Bardhë, 1 ♂ (Plate 7: 5) and 1 ♀.
New species for Albania. [Perhaps as a mistake, Nebula nebula (Treitschke, 1828) is reported from Rapsha-Han i Grabom (Rebel, 1914) and Bështriaq, Korab, Vunsaj (Rebel & Zerny, 1931). The data in Rebel & Zerny (1931) for Žljeb relate to the border area of Montenegro/Serbia (Kosovo), not Albania].

Chloroclysta sitera (Hufnagel, 1767) Parpunje, 1 ♂; Qafa e Mollës, 665m, 6 ♂ ♂. Known from Babja (Rebel & Zerny, 1931). Second report for Albania.

Pennithera firmata (Hübner, 1822) Starë, 28.ix.2018, 2 ♀ ♀; Plani i Bardhë, 1 ♂ (Plate 7: 6); Qafa e Mollës, 665m, 1 ♂; Ardenica, 1 ♀. Known from Lurë (Misja, 1990). Second report for Albania.

Thera britannica (Turner, 1925) Plani i Bardhë, 2 ♀ ♀ (Plate 8: 1). New species for Albania.


Thera cupressata (Geyer, 1831) Ardenica, 1 ♀ (Plate 8: 2). New species for Albania.

Colostygia fitzi (Schawerda, 1914) Starë, 28.ix.2018, 1 ♂ in bad condition (Plate 8: 3), genitalia checked, Gen. prep. 2./12.II.2019. S. Beshkov, female genitalia on glass in euparal (Plate 17: 5). Since not much can be see of the wing pattern, genitalia and the typical white head support correct identification for females of this species. Balkan endemic species, known from Dalmatia and Herzegovina. New species for Albania.

Horisme vitalbata ([Denis & Schiffermüller], 1775) Starë, 28.ix.2018.

Epirrita dilutata ([Denis & Schiffermüller], 1775) Parpunje, 1 ♂; Qafa e Mollës, 665 m, 2 ♂ ♂ (Plate 8: 4) and 1 ♀, genitalia checked, Gen. prep. 1./24.I.2019, S. Beshkov, male genitalia with A8 sternum on glass in Euparal; Starë, 04.xi.2018, 1 ♂, genitalia with A8 sternum checked and 1 ♀; Ulëz, 2 ♂ ♂, genitalia checked, Gen. prep. 2./24.I.2019, S. Beshkov, male genitalia with A8 sternum on glass in Euparal (Plate 17: 6). Known from Rushkuli, Babja, Bazar Shjak (Rebel & Zerny, 1931), Gasturan near Tropojë (Misja, 1990).

Operophtera fagata (Scharfenberg, 1805) Starë, 04.xi.2018, 3 ♂ ♂ (Plate 8: 5), genitalia checked. New genus and a new species for Albania.


Gymnoscelis rufifasciata (Haworth, 1809) Starë, 28.ix.2018; Librazhd, 1 ♀; Ulëz, 1 ♀. Genitalia of both female specimens checked, on paper.

Eupithecia ericeata ([Denis & Schiffermüller], 1775) Starë, 28.ix.2018, 4 ♂ ♂ (Plate 18: 1); Librazhd, 1 ♂; Qafa e Mollës, 665 m, 2 ♂ ♂ and 5 ♀ ♀; Syri i Kaltër, 1 ♂; Starë, 04.xi.2018, 3 ♂ ♂; Ulëz, 1 ♂ and 4 ♀ ♀. Genitalia of all specimens checked, on paper. New species for Albania.

Eupithecia centaureata ([Denis & Schiffermüller], 1775) Starë, 28.ix.2018; Qafa e Mollës, 665m.


Aplocera plagiata (Linnaeus, 1758) Starë, 28.ix.2018, 04.xi.2018, 1 ♀; Plani i Bardhë; Qafa e Mollës, 665m.
Aplocera efformata (Guenêe, 1858) Parpunje, 1 ♂ (Plate 9: 1); Librazhd, 1 ♂. Known from Durres (Zerny, 1924), Shkodra, Rogozhina (Rebel & Zerny, 1931), Poliçan (Urbahn, 1966), Tirana, Marikaj, Mamurmas, Iba, Lezha, Fushe Kuqe, Vlora (Misja, 1977).


Idaea camparia (Herrick-Schäffer, 1852) Kënete e Gjeratit, 1 ♂, genitalia checked; Plani i Bardhë, 1 ♀, genitalia checked. Known from Dzhura (Rebel & Zerny, 1931), Boreshi and Uji Ftohte (Urbahn, 1966).

Idaea dimidiata (Hufnagel, 1767) Kënete e Gjeratit, 1 ♂.

Idaea degeneraria (Hübner, 1799) Plani i Bardhë, 2 ♂♂, genitalia checked; Starë, 28.ix.2018, 04.xi.2018; Parpunje; Ardenica; Ulëz.


Scopula ornata (Scopoli, 1763) Starë, 28.ix.2018; Kënete e Gjeratit; Plani i Bardhë; Ardenica.


Scopula rubiginata (Hufnagel, 1767) Starë, 28.ix.2018, 1 ♂; Kënete e Gjeratit, 1 ♀; Plani i Bardhë.


Scopula marginepunctata (Goeze, 1781) Starë, 28.ix.2018; Kënete e Gjeratit; Plani i Bardhë; Librazhd; Parpunje; Qafa e Mollës, 665m; Ardenica; Syri i Kaltër.

Cyclophora puppillaria (Hübner, 1799) Parpunje; Qafa e Mollës, 665m; Ulëz.


Rhodometra sacraria (Linnaeus, 1767) Parpunje, 1 ♂ (Plate 9: 2); Qafa e Mollës, 665m; Syri i Kaltër; Starë, 28.ix.2018, 04.xi.2018; Ulëz.

Lasiocampidae Harris, 1841

Poecilocampa alpina canensis (Millière, 1876) Qafa e Mollës, 665m, 1 ♂ (Plate 9: 3).

New genus and a new speisies for Albania.

Eriogaster rimicola ([Denis & Schiffermüller], 1775) Parpunje, 1 ♂; Qafa e Mollës, 665m; Syri i Kaltër, 1 ♂; Starë, 04.xi.2018, 1 ♂; Ulëz. Known from Pustec, 878m, Pepellash, 1187m, Mužina – Dhrovjan (Beshkov & Nahirnić, 2018a). Second report for Albania.

Trichiura crataegi (Linnaeus, 1758) Qafa e Mollës, 795m, 7 ♂♂, genitalia checked; Plani i Bardhë, 1 ♂, genitalia checked. Known in Albania from Lushnjë (Rebel & Zerny, 1931), Gorica, Holisht and Turan, all near Korçë (Misja, 1978).

Brahmaeidae Swinhoe, 1892

Lemonia strigata Rougeot et Vvette, 1978 Plani i Bardhë, 2 ♂♂ and 1 ♀; Librazhd, 1 ♀; Parpunje; Ardenica, 3 ♂♂ and 3 ♀♀. Perhaps all reports in the literature for Albania for Lemonia taraxaci ([Denis & Schiffermüller], 1775) refer to Lemonia strigata, a species that is not rare in Albania, from September to November. Both species are split chronologically and by altitude and can be also easily split by habitus as well. Lemonia strigata usually has a dark median line (Plate 9: 4-5), which sometimes can be reduced (Plate 9: 6).

**Saturniidae Boisduval, 1837**

*Perisomena caecigena* (Kupido, 1825) Librazhd; Starë, 04.xi.2018; Ulëz, abundant (Plate 10: 1). Known in Albania from Babja (Rebel & Zerny, 1931) and Gorica near Korçë (Misja, 1978).

**Erebidae Leach, 1815**


Idia calvaria ([Denis & Schiffermüller], 1775) Parpunje; Qafë e Mollës, 665m. Known from Kula e Lumës (Rebel & Zerny, 1931, Heinicke, 1965), Poliçan (Heinicke, 1965), Quafë e Këçokut, Përmet district (Misja, 1980).

Phragmatobia fuliginosa (Linnaeus, 1758) Kënete e Gjeratit; Plani i Bardhë; Qafa e Mollës, 665m.

Utetheisa pulchella (Linnaeus, 1758) Qafa e Mollës, 665m. Known in Albania only from Tirana (Rebel & Zerny, 1931). Second report for Albania.

Eilema depressa (Esper, 1787) (= deplana Esper, [1787]) Syri i Kaltër, 1 ♂. Known from Bistricë (Misja, 1990) and Butrint (Misja, 1990, Beshkov, 1995).

Eilema caniola (Hübner, [1808]) Qafa e Mollës, 795m; Starë, 28.ix.2018; Kënete e Gjeratit; Librazhd; Parpunje; Qafa e Mollës, 665m; Ardenica; Syri i Kaltër; Ulëz.

Eilema sororcula (Hufnagel, 1766) Librazhd, 1 ♀.


Lygephila craccae ([Denis & Schiffermüller], 1775) Qafa e Mollës, 795m; Starë, 28.ix.2018, 04.xi.2018; Kënete e Gjeratit; Plani i Bardhë; Parpunje; Qafa e Mollës, 665m; Ardenica; Ulëz. Known from Kula e Lumës (Rebel & Zerny, 1931, Heinicke, 1965), Tirana, Llogara (Misja, 1980), Butrint (Plociennik, Pawlikiewicz & Pabis, 2009).

Lygephila procax (Hübner, [1813]) Qafa e Mollës, 665m. Reported as a new species for Albania from several localities (Beshkov & Nahirić, 2018c). Second report for Albania.


Laspeyria flexula ([Denis & Schiffermüller], 1775) Librazhd.

Eublemma parva (Hübner, [1808]) Qafa e Mollës, 665m; Ardenica.

Eublemma ostrina (Hübner, [1808]) Kënete e Gjeratit; Plani i Bardhë; Qafa e Mollës, 665m; Ardenica.


Zethes insularis Rambur, 1833 Kënete e Gjeratit, Known from Butrint (Beshkov & Misja, 1995) and Ilías (Beshkov & Nahirić, 2018a).

Catocala fraxini (Linnaeus, 1758) Qafa e Mollës, 795m, 1 ♂ (Plate 10: 5). New species for Albania.


Catocala elocata (Esper, 1787) Qafa e Mollës, 795m; Plani i Bardhë; Librazhd, 16 specimens; Parpunje; Qafa e Mollës, 665m; Syri i Kaltër.

Ophiessa tirhaca (Cramer, [1777]) Ardenica, 1 ♂ (Plate 10: 6). Known from: Tirana (Misja, 1976) and Dhërmi (Beshkov, 1994).
Dysgonia algira (Linnaeus, 1767) Starë, 28.ix.2018; Këneta e Gjeratit; Plani i Bardhë.
Grammodes bifasciata (Petagna, 1786) Starë, 28.ix.2018; Këneta e Gjeratit; Plani i Bardhë; Ardenica.

Euteliidae Grote, 1882

Noctuidae Latreille, 1809
Trichoplusia ni (Hübner, [1803]) Qafa e Mollës, 665m.

Ctenoplusia accentifera (Lefèbre, 1827) Parpunje, 1 ♀; Qafa e Mollës, 665m, 2 ♂ ♂ (Plate 11: 2) and 1 ♀. Known from Shkodra Lake: Zogaj Village (Beshkov, 1995), Fusha Lekli Village, Tepelene Region (Beshkov, Misja & Abadjiev, 1996).

Chrysodeixis chalcites (Esper, 1789) Plani i Bardhë; Parpunje; Qafa e Mollës, 665m. Macdunnoughia confusa (Stephens, 1850) Librazhd; Parpunje; Qafa e Mollës, 665m. Autographa gamma (Linnaeus, 1758) Parpunje; Qafa e Mollës, 665m.

Phyllophila obliterata (Rambur, 1833) Ardenica, 4 ♂ ♂ (Plate 11: 3) and 1 ♀ (Plate 11: 4). Known from: The Botanical Garden; 6 km E of Tirana to Elbasan (Beshkov & Misja, 1995), Vukopolës near Poliçan (Nahirniç & Beshkov, 2017).

Aedia leucomes (Linnaeus, 1758) Këneta e Gjeratit; Plani i Bardhë; Qafa e Mollës, 665m; Ardenica.

Diloba caeruleocephala (Linnaeus, 1758) Qafa e Mollës, 665m; Syri i Kaltër; Starë, 04.xi.2018; Ulëz. Known from Shkodra, Krraba Pass (Rebel & Zerny, 1931, Heinicke, 1965), Mamurras [near Kruja] (Misja, 1976). The locality Galičica reported by Rebel & Zerny (1931), follows the report of Drenowsky (1930) is in Macedonia, not in Albania.

Acronicta rumicis (Linnaeus, 1758) Starë, 28.ix.2018; Këneta e Gjeratit; Plani i Bardhë; Qafa e Mollës, 665m; Ardenica.

Praestrilbia armeniaca Staudinger, 1892 Këneta e Gjeratit, 2 ♂ ♂; Plani i Bardhë, 2 ♂ ♂; Syri i Kaltër. Known from Jba [Jba near Tirana], Vlora (Beshkov & Misja, 1995), Shkodra Lake: Zogaj Village (Beshkov, 1995).

Amphipyra effusa effusa (Boisduval, [1828]) (= effusa sciaphila Staudinger, 1781) Parpunje; Qafa e Mollës, 665m; Syri i Kaltër; Ulëz.


Amphipyra livida ([Denis & Schiffermüller], 1775) Plani i Bardhë, 1 ♂; Parpunje, 1 ♂ (Plate 11: 5). Data of Rebel & Zerny (1931) for Novoselo are for Serbia (Kosovo), not for Albania (Heinicke, 1965). New species for Albania.


Amphipyra tetra (Fabricius, 1787) Plani i Bardhë, 1 ♀. Known from Ostren i Vogël (Beshkov & Nahirniç, 2018c). Second locality in Albania.

Meganephria bimaculosa (Linnaeus, 1767) Qafa e Mollës, 795m, 1 ♂; Parpunje. Known from Butrint (Misja, 1980, Beshkov & Nahirniç, 2018c), Bistricë River (Beshkov & Nahirniç, 2018c).
Allophyes oxyacanthae (Linnaeus, 1758) Plani i Bardhë; Parpunje; Qafa e Mollës, 665m; Ardenica; Syri i Kaltër, 2 ♂ ♂, genitalia checked, in microvials; Starë, 4.xi.2018; Ulëz. Known from Krabella Pass (Rebel & Zerny, 1931, Heinicke, 1965), Tirana (Misja, 1976).

Heliothis peltigera ([Denis & Schiffermüller], 1775) Starë, 28.xi.2018; Ardenica.

Heliooverpa armigera (Hübner, [1808]) Starë, 28.xi.2018, 4.xi.2018; Kënette e Gjeratit; Plani i Bardhë; Librazhd; Qafa e Mollës, 665m; Ardenica.

Callopistria juventina (Stoll, 1782) Librazhd; Qafa e Mollës, 665m.


Nyctobra amasina (Draudt, 1931) Librazhd, 1 ♂, genitalia with everted vesica checked. Known from Drenovë (Beshkov & Nahirnić, 2018c); Shkallë, Pustec, 862m (Beshkov & Nahirnić, 2018a).

Spodoptera exigua (Hübner, [1808]) Plani i Bardhë; Librazhd; Qafa e Mollës, 665m; Starë, 28.xi.2018, 04.xi.2018; Ardenica; Syri i Kaltër; Ulëz. Known from: 6 km e of Tirana to Elbasan (Beshkov & Misja, 1995), Vukopoles near Poliçan (Nahirnić & Beshkov, 2017).

Spodoptera littoralis (Boisduval, 1833) Librazhd, 1 ♂; Qafa e Mollës, 665m, 1 ♀; Ardenica, 5 ♂ ♂ (Plate 11: 6) and 1 ♀. Known from Ionian Sea coast, Dhërmi Village (Beshkov, 1995), Stan-Karbunarë, Ilias and Ksamil (Beshkov & Nahirnić, 2018c).


Caradrina clavipalpis (Scopoli, 1763) Starë, 28.xi.2018; Kënette e Gjeratit; Plani i Bardhë; Librazhd; Qafa e Mollës, 665m; Ulëz.

Hoplodrina ambigua ([Denis & Schiffermüller], 1775) Qafa e Mollës, 795m; Plani i Bardhë.

Athetis hospes (Freyer, [1831]) Starë, 28.xi.2018, 1 ♀; Librazhd, 1 ♀; Parpunje; Ardenica; Syri i Kaltër. Known from: 6 km E of Tirana to Elbasan (Beshkov & Misja, 1995), Vukopoles near Poliçan (Nahirnić & Beshkov, 2017).


Phtlogophora meticulosa (Linnaeus, 1758) Starë, 28.xi.2018; Kënette e Gjeratit; Plani i Bardhë; Librazhd; Qafa e Mollës, 665m; Starë, 04.xi.2018.

Luperina rubella (Duponchel, 1835) Plani i Bardhë, 2 ♂ ♂.


Episema glaucina (Esper, [1789]) Starë, 28.xi.2018, 8 ♂ ♂ and 2 ♀ ♀, genitalia with everted vesicas of two males checked; Plani i Bardhë, 2 ♂ ♂ (Plate 12: 1); Ardenica,
1 ♂, genitalia with everted vesica checked. Known from Tirana (Misja, 1976); Muzina – Dhrovjan (Beshkov & Nahirić, 2018a).

**Episema tersa** ([Denis & Schiffermüller], 1775) Plani i Bardhë, 3 ♂ ♂ (Plate 12: 2). Known from Llogara; Zvezdë, Butrint (Beshkov & Nahirić, 2018c). Second report for Albania.

**Cleoceris scoriacea** (Esper, [1789]) Plani i Bardhë, 1 ♂ and 1 ♀; Ardenica, 1 ♂. Known from Butrint (Misja, 1976) and Drenovë (Beshkov & Nahirić, 2018c).

**Tiliacea citrago** (Linnaeus, 1758) Qafa e Mollës, 795m, 5 ♂ ♂ (Plate 12: 3). New species for Albania.

**Tiliacea aurago** ([Denis & Schiffermüller], 1775) Qafa e Mollës, 795m, 3 ♂ ♂ (Plate 12: 4); Starë, 28.ix.2018; Plani i Bardhë, 1 ♀; Librazhd; Parpunje; Qafa e Mollës, 665m. Known from Hotolisht and Gorica, both near Korca (Misja, 1976). Second report for Albania.

**Tiliacea sulphurago** ([Denis & Schiffermüller], 1775) Qafa e Mollës, 795m, 4 ♂ ♂ (Plate 12: 5). New species for Albania.

**Tiliacea cypræago christiani** (Fibiger, 1992) Plani i Bardhë, 2 ♂ ♂ (Plate 12: 6); Qafa e Mollës, 665m, 1 ♂; Starë, 04.xi.2018, 6 ♂ ♂ and 1 ♀. New species for Albania.


**Mesogona acetosellae** ([Denis & Schiffermüller], 1775) Qafa e Mollës, 795m, 1 ♂; Starë, 28.ix.2018, 1 ♂. Known from Zvezdë and Pepellash (Beshkov & Nahirić, 2018c). Second report for Albania.

**Agrochola lychnidis** ([Denis & Schiffermüller], 1775) Librazhd; Parpunje; Qafa e Mollës, 665m; Ardenica; Starë, 04.xi.2018; Ulëz. Known from Shkodra (Rebel & Zerny, 1931, Heinicke, 1965); Pepellash, 1187m (Beshkov & Nahirić, 2018c).

**Anchoscelis nitida** ([Denis & Schiffermüller], 1775) Qafa e Mollës, 795m, 1 ♀; Starë, 28.ix.2018, 9 ♂ ♂ (Plate 13: 2) and 3 ♀ ♀; Plani i Bardhë, 1 ♂. New species for Albania.


**Anchoscelis luteogrisea** (Warren, 1911) Qafa e Mollës, 665m, 1 ♀, genitalia checked, in glycerol in microvial, measurements after Beshkov & Nahirić (2018b): Apophyses anterior 1.20 mm; Apophyses posterior 1.98 mm; Ductus bursae 0.50 mm; Antrum-apical part of appendix bursae 1.20mm; Sclerotized plate of the antrum 0.30 mm. Known from two localities near Pustec, Pepellash, Shkallë (Beshkov & Nahirić, 2018b). Second report for Albania.

**Anchoscelis helvolae** (Linnaeus, 1758) Librazhd; Parpunje; Ardenica; Starë, 04.xi.2018; Ulëz. Known from Krraba Pass (Rebel & Zerny, 1931, Heinicke, 1965); Two localities near Pustec, Pepellash, 1187m (Beshkov & Nahirić, 2018c).

**Leptologia macilenta** (Hübner, [1809]) Plani i Bardhë, 1 ♂; Parpunje; Starë, 04.xi.2018. Known from two localities near Pustec, Pepellash, Shkallë (Beshkov & Nahirić, 2018a). Second report for Albania.

**Sunira circellaris** (Hufnagel, 1766) Qafa e Mollës, 665m; Starë, 04.xi.2018; Ulëz. Known from two localities near Pustec, Pepellash, 1187m, Benjë-Novoselë (Beshkov & Nahirić, 2018c). Second report for Albania.


Conistra rubiginea ([Denis & Schiffermüller], 1775) Ulëz. Known from Prespa Lake and Pepellash, 1187m (Beshkov & Nahirić, 2018c). Second report for Albania.


Lithophane lapidea (Hübner, [1808]) Qafa e Mollës, 665m, 2 ♂♂; Starë, 4.xi.2018, 1 ♂ and 1 ♀ (Plate 13: 5); Ulëz, 1 ♂. Known only from Pepellash (Beshkov & Nahirić, 2018a). Second report for Albania.


Rileyiana fovea (Treitschke, 1825) Parpunje, 1 ♂ (Plate 14: 1). New genus and a new species for Albania.

Dryobotodes eremita (Fabricius, 1775) Librazhd; Qafa e Mollës, 665m, 2 ♂♂; Ardenica; Starë, 4.xi.2018; Ulëz. Known from two localities near Pustec, Pepellash, Muzna – Dhrvoyan and Shkallë (Beshkov & Nahirić, 2018a). Second report for Albania.


Dryobotodes carbonis (Wagner, 1931) Librazhd; Syri i Kaltarë; Starë, 04.xi.2018. Known from Kalca (Beshkov, Misja & Abadjiev, 1996); Ilias, 153m (Beshkov & Nahirić, 2018a).

Dryobotodes tenebrosa (Esper, [1789]) Starë, 28.xi.2018, 1 ♂; Ardenica. Known from Ilias and Ksamil (Beshkov & Nahirić, 2018a); Benjë-Novoselë, Muzina – Dhrvoyan and Butrint (Beshkov & Nahirić, 2018a).


**Ammocoenia caecimacula** ([Denis & Schiffermüller], 1775) Starë, 28.ix.2018; Librazhd.

**Ammocoenia senex** (Geyer, [1828]) Starë, 28.ix.2018, 1 ♂; Starë, 04.xi.2018, 1 ♂; Plani i Bardhë, 2 ♀ ♂; Parpunje; Qafa e Mollës, 665m; Ardenica, 2 ♀ ♂; Ulëz.

**Trigonophora flammea** (Esper, [1785]) Qafa e Mollës, 795m, 3 ♀ ♂; Qafa e Mollës, 665m, 1 ♂ and 1 ♀; Librazhd, 1 ♂ and 1 ♀; Parpunje, 4 ♀ ♂, collected both on lamps and sugaring; Syri i Kaltër, 2 ♂ (Plate 15: 1) and 2 ♀ ♀; Ardenica, 6 ♂ and 4 ♀ ♀; Starë, 04.xi.2018; Ulëz. Known from Marikaj [near Tirana], Tirana, Rashe (Misja, 1980), Vukopoles near Poliçan (Nahirnić & Beshkov, 2017).

**Aporophyla australis** (Boisduval, 1829) Librazhd; Ardenica; Syri i Kaltër; Starë, 04.xi.2018; Ulëz. Known from Rogozhina (Rebel & Zerny, 1931, Heinicke, 1965), Vukopoles near Poliçan (Nahirnić & Beshkov, 2017).

**Aporophyla lutulenta** ([Denis & Schiffermüller], 1775) Librazhd, 1 ♀; Parpunje, 1 ♂; Syri i Kaltër, 1 ♀ (Plate 15: 2). New species for Albania.

**Aporophyla nigra** (Haworth, 1809) Qafa e Mollës, 665m; Ardenica; Starë, 04.xi.2018; Ulëz. Known from Tirana (Misja, 1976) and Vukopoles (Beshkov & Nahirnić, 2018c).


**Polymixis serpentina** (Treitschke, 1825) Qafa e Mollës, 795m; Starë, 28.ix.2018, 3 ♀ ♀ (Plate 15: 3) and 04.xi.2018; Plani i Bardhë, 1 ♀; Ardenica, 1 ♀; Syri i Kaltër. Known from Vora, Butrint (Misja, 1976); Shkodra Lake: Zogaj Village (Beshkov, 1995); Vukopoles near Poliçan (Nahirnić & Beshkov, 2017). The locality Elbasan (Misja, 1976) seems to be wrong due to collecting time (15.VI.) of this autumn species.

**Polymixis rufocincta** (Geyer, 1828) Librazhd; Parpunje; Qafa e Mollës, 665m; Starë, 04.xi.2018, 3 ♂ ♂. Known from Shkodra (Rebel & Zerny, 1931, Heinicke, 1965); Llogara, Benjë-Novoselë (Beshkov & Nahirnić, 2018c).

**Mniotype solieri** (Boisduval, 1840) Syri i Kaltër.

**Tholera decimalis** (Poda, 1761) Qafa e Mollës, 795m, 1 ♂ (Plate 15: 4); Plani i Bardhë. Known from Gorica near Korca (Misja, 1976, 1980) and Voskopoja near Korçë (Plociennik, Pawlikiewicz & Pabis, 2009).

**Mythimna vitellina** (Hübner, [1808]) Starë, 04.xi.2018; Qafa e Mollës, 665m; Ardenica.

**Mythimna unipuncta** (Haworth, 1809) Starë, 28.ix.2018, 04.xi.2018; Këneta e Gjeratit; Librazhd; Parpunje; Qafa e Mollës, 665m; Ardenica; Ulëz.

**Mythimna sicula** (Treitschke, 1835) Starë, 28.ix.2018, 1 ♂, genitalia checked; Këneta e Gjeratit; Plani i Bardhë; Librazhd; Parpunje; Qafa e Mollës, 665m; Ardenica; Ulëz.


**Mythimna albipuncta** ([Denis & Schiffermüller], 1775) Starë, 28.ix.2018; Plani i Bardhë; Librazhd; Qafa e Mollës, 665m; Ardenica.
Mythimna l-album (Linnaeus, 1767) Qafa e Mollës, 795m; Starë, 28.ix.2018; Plani i Bardhë; Librazhd; Qafa e Mollës, 665m; Ardenica; Ulëz.


Leucania loreyi (Duponchel, 1827) Këneta e Gjeratit; Plani i Bardhë, 1 ♂; Qafa e Mollës, 665m; Ardenica. Known from Vora near Tirana (Beshkov, 1996). Second locality for Albania.

Peridroma saucia (Hübner, [1808]) Plani i Bardhë; Qafa e Mollës, 665m; Ardenica; Ulëz.

Euxoa distinguenda distincta Staudinger, 1892 Plani i Bardhë, 1 ♂ and 2 ♀♀ (Plate 15: 5). Known from Turani near Korçë (Beshkov & Misja, 1995), Zvezdë, Drenovë, Shkallë (Beshkov & Nahirnić, 2018c).

Euxoa cos cos (Hübner, [1824]) Plani i Bardhë, 3 ♂, one of them looking not normal (Plate 15: 6), Gen. prep. 1./11.II.2019, S. Beshkov, male genitalia with everted vesica on glass in euparal, another male genitalia with everted vesica (Plate 18: 4) in microvial. Known from: Fusha Kuqe (Beshkov, Misja & Abadjiev, 1996); Ostren i Vogël, Korita, Shkallë (Beshkov & Nahirnić, 2018c).

Agrotis segetum ([Denis & Schiffermüller], 1775) Starë, 28.ix.2018; Plani i Bardhë; Qafa e Mollës, 665m; Ardenica.

Agrotis herzogi Rebel, 1911 Qafa e Mollës, 665m, 2 ♂, (Plate 16: 1). Rare migrant in Europe, known from North Peloponnes, Sardinia, Crete, Malta, Portugal (Algarve), England (Cornwall), Italy (Tuscany) and Greece, Samos (Fibiger et al., 2010). New species for Albania.

Agrotis trux (Hübner, [1824]) Librazhd. Known from Tirana, Divjaka (Misja, 1980), Shkodra Lake: Zogaj Village (Beshkov, 1995).

Agrotis puta (Hübner, [1803]) Starë, 28.ix.2018, 1 ♂ and 1 ♀; Plani i Bardhë, 1 ♂ and 1 ♀; Qafa e Mollës, 665m, 1 ♀; Ardenica; Syri i Kaltër; Ulëz.

Agrotis ipsilon (Hufnagel, 1766) Starë, 28.ix.2018, 04.xi.2018, Këneta e Gjeratit; Qafa e Mollës, 665m; Syri i Kaltër; Ulëz.

Agrotis spinifera (Hübner, [1808]) Këneta e Gjeratit.

Axylia putris (Linnaeus, [1760]) Plani i Bardhë.


Noctua pronuba (Linnaeus, 1758) Qafa e Mollës, 795m; Starë, 28.ix.2018, 04.xi.2018; Këneta e Gjeratit; Plani i Bardhë; Librazhd; Parpunje; Qafa e Mollës, 665m; Ardenica; Syri i Kaltër; Ulëz.

Noctua fimbriata (Schreber, 1759) Starë, 28.ix.2018; Plani i Bardhë.

Noctua tirrenica Biebinger, Speidel & Hanigk, 1983 Qafa e Mollës, 795m; Starë, 28.ix.2018; Plani i Bardhë.

Noctua orbuna (Hufnagel, 1766) Librazhd. Because in the article of Misja (1976) Noctua comes Hb. is given as a synonym of N. orbuna, possible confusion of these species (together with Noctua interposita) seems very possible.
Noctua comes Hübner, [1813] Qafa e Mollës, 795m; Starë, 28.ix.2018; Plani i Bardhë; Librazhd; Parpunje; Qafa e Mollës, 665m; Ulëz.


Xestia castanea (Esper, 1798) Qafa e Mollës, 795m, 2 ♂ ♂ (Plate 16: 2); Starë, 28.ix.2018; Parpunje: Qafa e Mollës, 665m; Ardenica. Known from Vorra (Rebel & Zerny, 1931, Heinicke, 1965), Voskopoja near Korçë (Plociennik, Pawlikiewicz & Pabis, 2009).


Xestia cohaesa (herrich-Schäffer, [1849]) Starë, 28.ix.2018, 1 ♂ and 2 ♀ ♀ (Plate 16: 3); Plani i Bardhë; Ardenica, 1 ♀. Known from Gorica near Korçë (Beshkov, Misja & Abadjiev, 1996), Vukopoles near Poliçan (Nahirnić & Beshkov, 2017).

Xestiac-nigrum (Linnaeus, 1758) Qafa e Mollës, 795m; Starë, 28.ix.2018, 04.xi.2018; Plani i Bardhë; Librazhd.

Nolidae Bruand, 1847


Nycteola siculana (Fuchs, 1899) Qafa e Mollës, 665m, 1 ♀ (Plate 16: 5). Known from Beshtrakku (Rebel & Zerny, 1931, Heinicke, 1965) and Shkodra Lake: Zogaj Village (Beshkov, 1995).


Earias insulana (Boisdouval, 1833) Ardenica, 1 ♂ (Plate 17: 1). New species for Albania.

**Correction to earlier published list**

The report of *Cucullia balsamitae* Boisduval, 1840 from Shkallë, 29.vi.2017 (Beshkov & Nahirnić, 2018a) is in error. The specimen was wrongly identified as *Cucullia balsamitae* (Plate 17: 2) by SB. Later in 2018, more specimens were collected from another locality in Albania, and clearly were not *C. balsamitae*; they were correctly identified as *Cucullia dracunculi* (Plate 17: 2). SB thanks Peter Gyulai (Miskolc, Hungary), for pointing out the error. Genitalia of both species are illustrated now for comparison: of *Cucullia balsamitae* from Bulgaria (Plate 18: 5-6) and of *Cucullia dracunculi* (Plate 19: 1-3) from Albania. *Cucullia dracunculi* is a new species for the Balkan Peninsula.
Acknowledgements

The authors are thankful to János Oláh (Debrecen, Hungary) and the crowd funded Balkans Moths Project organised by Colin W. Plant (Bishops Stortford, UK) [see: https://www.justgiving.com/crowdfunding/colin-plant] for financial support. Colin also made linguistic improvements to the manuscript.

References


102

**Research into the Moths of Albania**

Readers may be interested in contributing to further studies of the moths of Albania and adjacent Balkan countries. The Editor has set up a “crowd funding” page on the Internet. This can be looked at via the link [https://www.justgiving.com/crowdfunding/colin-plant](https://www.justgiving.com/crowdfunding/colin-plant) without obligation. Otherwise, donations may be made direct, care of the Editor.