

Faunistic records of new and poorly known Microlepidoptera (Insecta) from Europe

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Abstract

The paper presents 35 species of moths from several European countries. In total, 32 records are the first for a concrete country, whereas the record of *Epinotia nigrostriana* BUDASHKIN & ZLATKOV, 2011 is the first for Central Europe, *Phalonidia udana* (GUENÉE, 1845) together with *Pelochrista sordicomana* (STAUDINGER, 1859) are new species for the Balkan peninsula and *Phtheochroa ochralana* (CHRÉTIEN, 1915) and *Cochylimorpha langeana* (KALCHBERG, 1897) are at the same time new for the fauna of Europe.

Key words: Europe, Microlepidoptera, new records

Zusammenfassung

In dieser Arbeit werden 35 Schmetterlingsarten aus einigen europäischen Länder vorgestellt. 32 Funde sind Erstnachweise für ein bestimmtes Land, während der Fund von *Epinotia nigrostriana* BUDASHKIN & ZLATKOV, 2011 der erste für Mitteleuropa ist. *Phalonidia udana* (GUENÉE, 1845) zusammen mit *Pelochrista sordicomana* (STAUDINGER, 1859) sind neue Arten für die Balkanhalbinsel, *Phtheochroa ochralana* (CHRÉTIEN, 1915) und *Cochylimorpha langeana* (KALCHBERG, 1897) sind neue Arten für die Fauna Europas.

Introduction

Recently, a series of national check lists of Lepidoptera were produced and simultaneously the on-line database of Fauna Europaea (KARSHOLT & van NIEUKERKEN 2011) is being updated constantly. It enables an easier confrontation of field data as well as the older records from collections with species occurrence in a country. As a result, certain species can be found as still unknown for a country or whole Europe, which is also the case in the presented paper containing mostly records from both authors' field expeditions. The only collection method was attraction of moths to light and voucher specimens of all mentioned species are deposited in the private collections of the authors. The nomenclature and currently known distribution of species was confronted with up to date database of Fauna Europaea (KARSHOLT & van NIEUKERKEN 2012), therefore the source is not mentioned in the subsequent text repeatedly. Other faunistic sources are mentioned only if concerning data are not indicated in the Fauna Europaea database.

Material has been deposited in the following museums or collections, if not stated otherwise:

SU JAN ŠUMPICH, Česká Bělá, Czech Republic
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Results

Tineidae

Elatobia bugrai KOČAK, 1981

= *atrattella* STAUDINGER, 1870

Greece: 1 ♀, Peloponnes penin., Diakofto, 70 m, 19.vi.2011, SK (det. SU).

In Europe only known from Greece up to date, from where it was described by O. Staudinger. Later it was renamed by A.Ö. Kocak for nomenclatory reasons. Outside Europe it was found only in Turkey so far. Due to a low number of faunistic data we provide further record from Greece.

Gracillariidae

Cupedia cupediella (HERRICH-SCHÄFFER, 1855)

Slovenia: Osp, 4 ♂♂, 26.iv.2002, 3 ♂♂, 2.v.2002, SU; **Croatia:** 2 ♂♂, Island of Pag, Novalja – Potočnica, 26.–30.viii.2001, SU; 1m, Peljesac penin., Žuljana, 1.–13.vii.2005, SU; 1 ♂, Biograd, 5.–12.vii.2003, SU; 7m, Pirovac env., Tijesno, 15.–17.vii.2003, SU; 6 ♂♂, Pakoštane near Biograd, 15.–17.vii.2003, SU; **Italy:** 1 ♂, Verona distr., Monte, 20.v.2004, SU.

Widely distributed in Southeastern Europe, recorded also in Italy (incl. Sardinia). **New species for Slovenia.**

Phyllonorycter cerasinella (REUTTI, 1852)

Slovenia: 1 ♂, Nanos Mts., 1050 m, 4.vii.2004, SU (det. A. Laštůvka).

Known from Western, Central and Eastern Europe. **New species for Slovenia.**

Phyllonorycter aemula TRIBERTI, DESCHKA & HUEMER, 1997

Slovenia: 1 ♂, Nanos Mts., 1050 m, 3.v.2002, SU (det. A. Laštůvka).

Known only from Italy (locus typicus), Austria and France (see http://www.atbi.eu/mercantour-marittime/?q=node/13&tree_s=2832). **New species for Slovenia.**

Phyllonorycter millierella (STAUDINGER, 1871)

Slovenia: 2 ♂♂, Osp, 3.vii.2004, SU (det. A. Laštůvka).

A south European species. Known also from Slovenia (cf. LESAR & GOVEDIČ 2010), but not mentioned in the current version of Fauna Europaea.

Douglasiidae

Tinagma anchusella (BENANDER, 1936)

Bulgaria: 1 ♂, Kresna, 21.–29.v.1994, SU.

Scatteredly distributed in Northern, Central, Eastern and Southeastern Europe. Due to a low number of published faunistic data we contribute by further record.

Autostichidae

Pantacordis pales GOZMANY, 1954

Greece: 4♂♂, 4♀♀, Mitsikéli, Dikórifó, 1000 m, 7.vii.2005, SK (det. SU); **Croatia:** Pirovac env., Tijesno, 8♂♂, 2♀♀ 23.viii.2004, 16♂♂, 13.–20.viii.2007, SU; 20♂♂, Marušići, 3.–17.viii.2008, SU.

Described from Hungary, known also from Croatia, Slovenia and Romania. **New species for Greece.**

Elachistidae

Elachista cinereopunctella (HAWORTH, 1828)

Slovenia: 1♂, Trnovski Gozd Mts., 1250 m, 5.vii.2004, SU (det. J. Liška).

Widely distributed species, absent from the Balkans. **New species for Slovenia.**

Elachista revinctella ZELLER, 1850

Slovenia: 10♂♂, Nanos Mts., 1050 m, 3.v.2002, SU; **Croatia:** 1♂, Island of Krk, Baška, 30.iv.2002, SU. All det. J. Liška.

Very locally distributed in Western and Central Europe. From Slovenia published by several authors (cf. LESAR & GOVEDIČ 2010), but so far not mentioned in Fauna Europaea.

Elachista svenssoni TRAUGOTT-OLSEN, 1988

Slovenia: 2♂♂, Nanos Mts., 1050 m, 3.v.2002, SU (det. J. Liška).

Very locally distributed in Central Europe (Switzerland, Germany, Austria, Czechia, Slovakia and Hungary). **New species for Slovenia.**

Elachista unifasciella (HAWORTH, 1828)

Bulgaria: 2♂♂, Rila Mts., Blagoevgrad distr., Bistrica, 29.iv.–4.v.2001, leg. M. Žemlička, det. J. Liška, coll. SU.

Widely distributed species, without published faunistic data from the Iberian Peninsula and Balkans. **New species for Bulgaria.**

Cosmopterigidae

Hodgesiella rebeli (KRONE, 1905)

Slovenia: Osp, 3♂♂, 5f, 28.vi.2002, 1♂, 3.vii.2004, SU.

Distributed in Southeastern Europe, recorded also in Italy. **New species for Slovenia.**

Gelechiidae

Altenia scriptella (HÜBNER, 1796)

Albania: 1♂, 1♀, Burrel – Rukaj, 26.iv.1996, leg. M. Dvořák, coll. SU.

Known from most European countries. **New species for Albania.**

***Altenia modesta* (DANILEVSKY, 1955)**

Croatia: 1 ♂, Island of Krk, Baška, 30.iv.2002, SU; 1 ♀, Senj distr., Sveti Juraj, 29.iv.2002, 1 ♀, SU; 2 ♂ ♂, Peljesac penin., Žuljana, 1.–13.vii.2005, SU; 9 ♂ ♂, Marušići, 3.–17.viii.2008, SU; **Slovenia:** Osp, 2 ♂ ♂, 2.v.2002, 1 ♂, 3.vii.2004, SU; **Bulgaria:** 3 ♂ ♂, 1 ♀, Kresna, 2.–3.v.1996, M. DVOŘÁK leg., coll. SU; 2 ♂ ♂, Rila Mts., Blagoevgrad distr., Bistrice, 29.iv.–4.v.2001, M. Žemlička leg., coll. SU.

Known only from the Balkan peninsula. **New species for Slovenia.**

***Tuta absoluta* (MEYRICK, 1917)**

Slovenia: 43 specimens (not sexed, 1 ♂ examined) and several hundreds observ., Sečovelje env., Sečoveljske soline, 14.ix.2012, SU.

An introduced South American species (locus typicus: Peru), in Europe found for the first time in Spain in 2007. Presently distributed throughout the whole Southwestern Europe. Recorded also from Denmark and Crete. **New species for Slovenia.**

***Stomopteryx hungaricella* GOZMANY, 1957**

Slovenia: 1 ♂, Crni Kal, 6.vii.2004, SU.

Scatteredly distributed in southern and central Europe. **New species for Slovenia.**

***Mesophleps oxycedrella* (MILLIERE, 1871)**

Greece: 4 ♀ ♀, Párga, Agia Kiriaki, 70 m, 13.viii.2002, SK (det. SU).

Known from southern Europe, but in the Balkans recorded only in Croatia. **New species for Greece.**

Tortricidae

***Phtheochroa pulvillana* HERRICH-SCHÄFFER, 1851**

Bulgaria: 1 ♂, Kresna, 21.–29.v.1994, SU; **Greece:** 1 ♂, Akritohori (near Kerkini lake), 25.–26.v.1994, SU.

Known from Southern, Central and Eastern Europe. In the Balkans recorded in Croatia, Macedonia and Romania; from Bulgaria mentioned by REBEL (1903). **New species for Greece.**

***Phtheochroa ochralana* (CHRÉTIEN, 1915) (Fig. 1)**

Greece: 1 ♂, Igoumenitsa, 23.x.2003, SK (det. SU).

Described from Tunisia, distributed in Northern Africa and southwestern Asia (Saudi Arabia). **New species for Greece, the first record from Europe.** Presented specimen was captured in salt marshes near seaside.

***Cochylimorpha langeana* (KALCHBERG, 1897) (Fig. 2)**

Greece: 2 ♀ ♀, Párga, Agia Kiriaki, 70 m, 18.x.2003, SK (det. SU); 1 ♀, Lakonia, 7 km SW Monemvasia, 15.ix.1980, leg. G. Christensen (det. T. Karisch, coll. ZMUC).

Described from Israel, so far known also from Turkey and Causacus. Present specimens were compared with type material deposited in Naturhistorisches Museum Wien. **New species for Greece, the first records from Europe.**

***Cochylis molliculana* ZELLER, 1847**

Slovenia: 1♂, Kostabona, Kapeli, 150 m, 25.viii.2010, SK (det. SU); 1♂, Podgorje, Debeli Hrib, 19.viii.2007, SK (det. SU).

Distributed mainly in Southern Europe, recorded also in the United Kingdom. **New species for Slovenia.**

***Aethes francillana* (FABRICIUS, 1794)**

Slovenia: 4♀♀, Nanos Mts., 1200 m, 19.vii.2012, SK (det. SU); 3♀♀, Kostabona, Kapeli, 150 m, 25.viii.2010, SK (det. SU); **Sardinia:** 2♂♂, 1♀, Siniscola, Posada, 70 m, 3.v.2006, SK (det. SU).

Widely distributed, previously not recorded from Slovenia. **New species for Slovenia.**

***Aethes rubiginana* (WALSINGHAM, 1903) (Fig. 3)**

Sardinia: 1♂, Budoni, Brunella, 250 m, 2.v.2010, SK (det. SU); 2f, Siniscola, Posada, 70 m, 3.v.2006, SK (det. SU).

A poorly known species. Previously known from Northern Africa (described from Morocco), recently recorded also in Europe, namely in Italy, Sicily, Lipari Islands (TREMATERRA 1999, NUPPONEN & al. 2003), Malta (NIELSEN & GREGERSEN 2011) and Denmark (BUHL & al. 2011). **New species for Sardinia.**

***Aethes bilbaensis* (RÖSSLER, 1877)**

Slovenia: 1♀, Koper, Skocjanski zatok, 20.vii.2012, SK (det. SU).

Widely distributed in Southern Europe, previously without faunistic records from Slovenia. **New species for Slovenia.**

***Phalonidia udana* (GUENÉE, 1845) (Figs. 4–5)**

Slovenia: 3♀♀, Koper, Skocjanski zatok, 20.vii.2012, SK (det. SU); 1♀, Koper, Bertoki, 27.viii.2010, SK (det. SU); 3♂♂, Sečovlje env., Sečoveljske soline, 14.ix.2012, SU; **Greece:** 2♂♂, Piéria, Leptokaria, 17.–22.viii.1996, SK (det. SU).

Until recently the taxon was regarded as a younger synonym of *Phalonidia manniana* (FISCHER von RÖSLERSTAMM, 1839). A recent study of MUTANEN & al. (2012) has confirmed the specific validity. In this paper all hitherto revised data are mentioned, namely from Northern and Central Europe. One record documents its occurrence in China. **New species for Slovenia, Greece and the Balkan peninsula.**

***Phalonidia affinitana* (DOUGLAS, 1846)**

Greece: 1♀, Igoumenitsa, 28.vi.2001, SK (det. SU).

A halophilous species, known from most European countries. **New species for Greece.**

***Epinotia nigrostriana* BUDASHKIN & ZLATKOV, 2011** (Fig. 6)

Hungary: 1 ♂, Csákberény, 10.x.2010, V. FEIK leg., SU det., coll. SK.

Described from southwestern Bulgaria, recorded also in Greece by ŠUMPICH & SKYVA (2012). **New species for Hungary and Central Europe.**

***Rhyacionia hafneri* (REBEL, 1937)**

Greece: 2 ♂ ♂, Mt. Smolikas, Pades, 1700 m, 22.vi.2011, SK (det. SU).

An overlooked species, up to date known only from several countries in Central, Southeastern and Eastern Europe. **New species for Greece.**

***Pelochrista sordicomana* (STAUDINGER, 1859)** (Fig. 7)

Greece: 1 ♀, Igoumenitsa, 23.vi.2011, SK (det. SU).

Very local species, previously known only from Spain (locus typicus), France (incl. Corsica) and Italy. **New species for Greece and the Balkan peninsula.**

***Eucosma rubescana* (CONSTANT, 1895)** (Fig. 8)

= *catoptrana* REBEL, 1903.

Slovenia: 6 ♂ ♂, Koper, Bertoki, 0 m, 27.viii.2010, 6 m, SK (det. SU).

Scatteredly distributed in Western and Central Europe, recorded also in Russia. **New species for Slovenia.**

***Epiblema sarmatana* (CHRISTOPH, 1872)**

= *fuchsiana* Rössler, 1877

Slovenia: 2 ♂ ♂, Kostabona, Kapeli, 150 m, 6.vi.2009, SK (det. SU).

A local species known from numerous European countries, previously not recorded in Slovenia. **New species for Slovenia.**

Alucitidae

***Alucita desmodactyla* ZELLER, 1847**

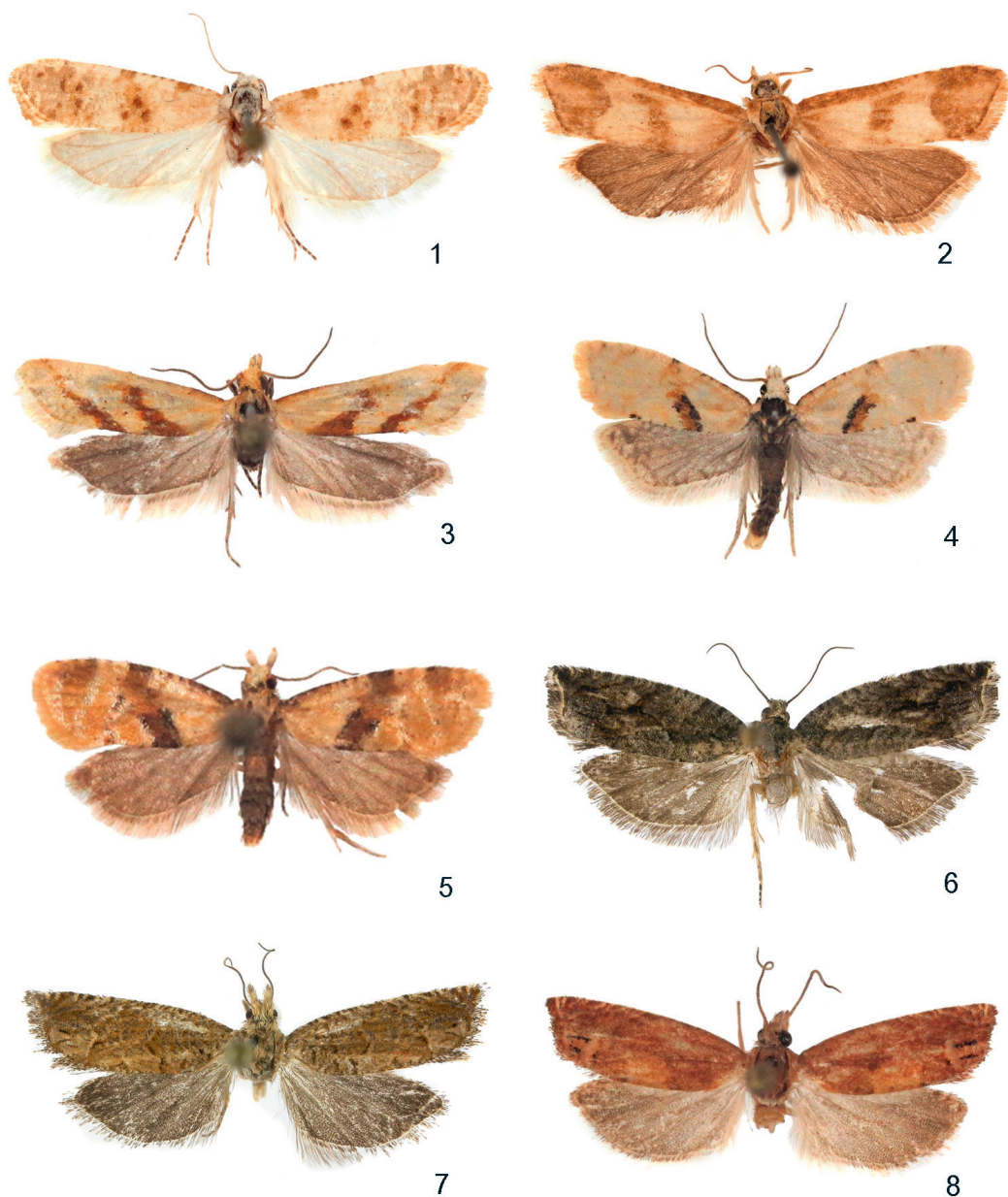
Greece: 5 ♂ ♂, 3 ♀ ♀, Peloponnes, Kertézi, 1000 m, SK.

Described from Austria (Wien), locally distributed in Central and Southern Europe. **New species for Greece.**

***Alucita bidentata* SCHOLZ & JACKH, 1994**

Corsica: 2 ♀ ♀, St. Lucie de Potro Vecchio – Taglio Rosso, 18.–19.vi.1993, SK.

Described from Italy, recorded also in several other southern countries (France, Macedonia, Croatia, Bosnia and Herzegovina, Sardinia). **New species for Corsica.**



Figs. 1–8: Voucher specimens of some significant species: (1) *Phtheochroa ochralana* (CHRÉTIEN, 1915), Greece, male, 16 mm. (2) *Cochylimorpha langeana* (KALCHBERG, 1897), Greece, Párga, female, 20 mm. (3) *Aethes rubiginana* (WALSINGHAM, 1903), Sardinia, male, 14 mm. (4–5) *Phalonidia udana* (GUENÉE, 1845), males: (4) Slovenia, Sečovlje, 10.5 mm, (5) Greece, 10 mm. (6) *Epinotia nigrostriana* BUDASHKIN & ZLATROV, 2011, Hungary, male, 20 mm. (7) *Pelochrista sordicomana* (STAUDINGER, 1859), Greece, female, 15 mm. (8) *Eucosma rubescana* (CONSTANT, 1895), Slovenia, male, 15 mm.

***Alucita zonodactyla* ZELLER, 1847**

Corsica: 2 ♀♀, Casamozza, Pinetu, 11.vi.1993, SK; 1 ♀, Propriano, 16.vi.1993, SK; **Sardinia:** 1 ♀, Siniscola, Posada, 28.vi.2004, SK; **Slovenia:** Osp, 2 ♂♂, 1 ♀, 26.v.2001, 2 ♂♂, 25.vi.2010, 1 ♂, 28.viii.2010, 1 ♂, 25.viii.2011, SK; Podgorje, Debeli Hrib, 22.viii.2008, SK; 1 ♂, Sečovlje env., Sečovljске soline, 14.ix.2012, SK.

Distributed in Southern Europe and Asia Minor. **New species for Sardinia and Slovenia.**

Crambidae***Evergestis alborivulalis* (EVERSMANN, 1844)**

Greece: 1 ♂, Peloponnes, Chelmos Mts., 1600 m, 18.vi.2011, SK.

Scatteredly distributed in Southern and Central Europe. **New species for Greece.**

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