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New and interesting Portuguese Lepidoptera records from 2019 (Insecta: Lepidoptera)

M. F. V. Corley, J. Nunes, J. Rosete, R. Terry & S. Ferreira

Abstract

Fourteen species are added to the Portuguese Lepidoptera fauna, of which three are new for the Iberian Peninsula, and two species deleted, mainly as a result of fieldwork undertaken by the authors and others in 2019. In addition, second and third records for the country, new province records and new food-plant data for a number of species are included. A summary of recent papers affecting the Portuguese fauna is included.

KEY WORDS: Insecta, Lepidoptera, distribution, Portugal.

Novos e interessantes registos portugueses de Lepidoptera em 2019 (Insecta: Lepidoptera)

Resumo

Como resultado do trabalho de campo desenvolvido pelos autores e outros, principalmente no ano de 2019, são adicionadas quatorze espécies de Lepidoptera à fauna de Portugal, das quais três são novas para a Península Ibérica, e duas são retiradas. Adicionalmente, são apresentados segundos e terceiros registos de espécies previamente conhecidas, bem como novas plantas alimentícias para algumas espécies. É apresentado um sumário dos mais recentes trabalhos relevantes para a fauna portuguesa.

PALAVRAS CHAVE: Insecta, Lepidoptera, distribuição geográfica, Portugal.

Nuevas e interesantes citas portuguesas de Lepidoptera en 2019 (Insecta: Lepidoptera)

Resumen

Con el trabajo de campo efectuado por los autores y otros, principalmente durante el año de 2019, se añaden catorce especies de Lepidoptera a la fauna de Portugal, tres de las cuales son nuevas para la Península Ibérica y se elimina dos especies. Adicionalmente, se muestran segundos y terceros registros de especies ya conocidas, así como nuevas plantas nutricias de algunas otras especies. Finalmente, se presenta un resumen de los trabajos más recientes que son relevantes para la fauna portuguesa.

PALABRAS CLAVE: Insecta, Lepidoptera, distribución geográfica, Portugal.

Introduction

This paper is the fourteenth in the series of annual summaries of new knowledge of Portuguese Lepidoptera. It gives records of species of Lepidoptera added to the Portuguese fauna in 2019, together with new province records not included in the checklist (CORLEY, 2015). Additional data include new

data on larval food-plants within the country and second and third records of species for the country, which are only indicated when they are not in new provinces. Papers published in 2019 and part of 2020 that relate to the Portuguese Lepidoptera fauna are listed and briefly summarised. Finally, an Appendix lists the new species for Portugal separately, with numbers indicating their position in the checklist; new genera for Portugal have author and year of publication given.

Fourteen species new for Portugal are listed below, of which three are new for the Iberian Peninsula. Two species are removed from the Portuguese list. A few of the new species listed here have been previously listed for Portugal, but the records were rejected in CORLEY (2015), as being erroneous or unsubstantiated.

In CORLEY *et al.* (2019) the number of Lepidoptera species recognised from Portugal was 2709. With the current paper and other papers mentioned herein, this total has risen to 2723.

Material and Methods

Most species were captured at light in traps of various kinds, or over or beside a white sheet. For specimens not taken at light, the means of capture is given. Specimens are retained in the collections of the original recorders, unless otherwise stated. However, a few records are based only on photographic evidence.

The number of new district records in 2019 is unusually high, partly due to fieldwork carried out in the relatively poorly worked districts of Baixo Alentejo and Ribatejo, but also to records received from the project Invertebrates Red List of Continental Portugal. This involved a series of fieldwork sessions from March to August, each several days long, moving to a new locality each day, with four workers from a team of thirteen in the field in each session. In the list of records below, records from this source have the recorder given as “Tagis”. The full Tagis team is given below following Recorders.

The order and nomenclature of families and species has been revised in accordance with the Portuguese list (CORLEY, 2015). The nomenclature of plant names follows the EURO+MED PLANT-BASE where possible.

The entry for species new for Portugal concludes with a summary of the known European distribution, and available information on the larval food-plant, given in square brackets if the information comes from outside Portugal.

Localities with UTM squares and altitude: (District in brackets)

Abiúl (Pombal)	NE3913	180 m
Alfambras (Aljezur)	BB1624	75 m
Alto das Velhas, Serra do Marão (Amarante)	NF9070	1020 m
Alto de Ciradélhe (Vinhais)	PG6735	930 m
Amorim (Póvoa de Varzim)	NF2083	20 m
Ansião, 2 km E. of,	NE5019	250 m
Arrimal, Lagoa Pequena (Sesimbra)	ND1071	3 m
Ave Casta (Ferreira do Zêzere)	ND5199	230 m
Azelha, São Bento (Porto de Mós)	ND1675	480 m
Balsamão, by Rio Azibo (Macedo de Cavaleiros)	PF7993	355 m
Buracas de Casmilo (Penela)	NE4333	300 m
Cabo de São Vicente (Vila do Bispo)	NA0198	75 m
Cabranosa, Sagres (Vila do Bispo)	NA0499	60 m
Campo de Viboras, 2 km S. of, (Vimioso)	QF0398	640 m
Cântaro Raso, road tunnel, Serra da Estrela, (Covilhã)	PE1964	1710 m
Canto Mosqueiro (Sines)	NC1102	0 m

Carrazedo, 1 km S.W. of, (Bragança)	PG7425	890 m
Carvalho, Ribalonga (Alijó)	PF2678	700 m
Castelo Bom, 1.5 km W.S.W., (Almeida)	PE7697	600 m
Ceira (Coimbra)	NE5247	100 m
Chão do Ulmeiro, Serra de Sicó (Pombal)	NE3717	350 m
Cigadonha, Gestosa (Vinhais)	PG5438	500 m
Colos, Alcanede (Alcanena)	ND1565	170 m
Convento de Arrábida (Setúbal)	NC0058	245 m
Corte de Pero Jaques (Aljezur)	NB1917	250 m
Cortes de Meio (Covilhã)	PE1960	580 m
Couce (Valongo)	NF4356	50 m
Covão da Ametade, Serra da Estrela (Manteigas),	PE1965	1420 m
Covão da Ponte, Serra da Estrela (Manteigas),	PE2678	980 m
Curras Grandes, Serra de Arga (Caminha)	NG2131	560 m
Entrevinhas (Sardoal)	ND7477	250 m
Escalhão (Figueira de Castelo Rodrigo)	PF7538	600 m
Estevais (Torre de Moncorvo)	PF6267	450 m
Faia Brava reserve, Algodres (Figueira de Castelo Rodrigo)	PF6135	450 m
Figueiró do Campo (Soure)	NE3644	35 m
Foros da Quinta, Santo André (Santiago de Cacém)	NC2015	35 m
Fráguas (Vila Nova de Paiva)	PF0222	680 m
França, 5 km west of, (Bragança)	PG8241	750 m
Golegã, bridge over R. Tejo (Golegã)	ND4659	18 m
Quadramil (Bragança)	QG0144	700 m
Jafafe de Cima (Águeda)	NF4502	14 m
Lagoa Comprida, 3 km N. of, (Seia)	PE1470	1450 m
Lagoa de Albufeira (Sesimbra)	MC8763	3 m
Lagoa de Santo André, N. end (Santiago de Cacém)	NC1817	5 m
Lagoa de São José, Mata do Urso, Carriço (Pombal)	NE1128	45 m
Lama Grande, turning to, (Bragança)	PG8348	1310 m
Lordelo (Vila Real)	PF0475	420 m
Madriz (Soure)	NE3141	8 m
Marão, Serra do Marão (Peso da Régua)	NF9367	1380 m
Marateca (Palmela)	NC2770	20 m
Marco, Esperança (Arronches)	PD5838	375 m
Mata do Desterro (Seia)	PE1172	570 m
Minhota (Marvão)	PD3863	650 m
Moinhos de Paneiro (Santiago de Cacém)	NB2795	210 m
Moura da Serra, Mata da Margaraça (Arganil)	NE9252	500 m
Monte Velho, Lagoa de Santo André (Santiago de Cacém)	NC1613	7 m
Mosteiro de São João de Arga (Caminha)	NG2232	440 m
Noudar (Barrancos)	PC6927	255 m
Nodar, Serra de Montemuro (São Pedro do Sul)	NF7930	245 m
Outeiro, Alcobertas (Rio Maior)	ND0864	140 m
Outeiro dos Gamanhos (Alvaiázere)	NE5109	350 m
Parque Campismo de Pião (Covilhã)	PE2560	1020 m
Peixeiro (Condeixa-a-Velha)	NE4236	220 m
Penelas, Ermida (Santa Marta de Penaguião)	PF0566	280 m
Penhas Douradas, Serra da Estrela (Manteigas)	PE2175	1450 m
Picão, 2 km S. of, (Castro Daire)	NF8732	700 m

Pitões das Júnias (Montalegre)	NG8731	1100 m
Poço (Condeixa-a-Nova)	NE4406	220 m
Praia do Cabedelo (Figueira da Foz)	NE1143	3 m
Praia do Malhão (Odemira)	NB1782	22 m
Praia dos Aivados, Malpensado (Odemira)	NB1884	15 m
Quintã (Vila Real)	NF9671	720 m
Quinta do Canal, Bizorreiro (Figueira da Foz)	NE1639	3 m
Quinta do Pisão, Malveira da Serra (Cascais)	MC6389	150 m
Regoufe (Arouca)	NF7325	600 m
Relvas (Alvaiázere)	NE5401	230 m
Rio Mira at Zambujeira (Odemira)	NB2274	5 m
Rua do Furo, Moleanos (Alcobaça)	ND0774	150 m
Safara (Moura)	PC5620	200 m
Santa Bárbara, S.E. of São Teotónio (Odemira)	NB3348	130 m
Santo André, 1 km N. of, (Montalegre)	PG1036	790 m
São Martinho da Angueira (Miranda do Douro)	QG2015	710 m
São Romão (Vagos)	NE8528	15 m
Sargaçal (Lagos)	NB2710	30 m
Sentieiras, Sardoal (Abrantes)	ND6976	200 m
Serra de Arga: Parque Eólico (Caminha)	NG2330	750 m
Serra do Larouco (Montalegre)	PG0636	1320 m
Singeverga (Santo Tirso)	NF5277	200 m
Três Figs, Corsino (Monchique)	NB2422	100 m
Trinta, 1 km N. of, (Guarda)	PE3986	710 m
Vale da Cabeceira (Sintra)	MC5991	320 m
Vale da Couda (Alvaiázere)	NE4810	255 m
Vale de Branco, Cabreiro (Arcos de Valdevez)	NG4844	150 m
Vale de Gomes, Algoceira (Odemira)	NB2563	10 m
Vale do Cuco, Aboim (Fafe)	NF7699	600 m
Valongo	NF4159	200 m
Vale Quente, Serra do Marão (Amarante)	NF9070	900 m
Valverde (Santarém)	ND1269	350 m
Vargens, Ribeira de Vascão (Mértola)	PB1352	105 m
Vila Nova de Milfontes (Odemira)	NB1975	10 m
Vilar de Amargo (Figueira de Castelo Rodrigo)	PF6536	620 m
Vimioso	QG0606	700 m

Recorders and Determiners

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Abbreviations and symbols

coll.	collection
comm	communicated by
conf	confirmed by
det.	determined by
SMNK	Staatliches Museum für Naturkunde, Karlsruhe, Germany
*	New for Portugal, i.e. not listed for Portugal in CORLEY (2015).
**	New for the Iberian Peninsula.

Provinces:

AAL	Alto Alentejo
ALG	Algarve
BA	Beira Alta
BAL	Baixo Alentejo
BB	Beira Baixa
BL	Beira Litoral
DL	Douro Litoral
E	Estremadura
M	Minho
R	Ribatejo
TM	Trás-os-Montes

List of families and species

MICROPTERIGIDAE

Micropterix herminiella Corley, 2007

E: Vale da Cabeceira, on flowers of *Oenanthë crocata* L. by day, 25-V-2019, Corley.

Micropterix ibericella Caradja, 1920

R: Valverde, by day, 24-V-2019, S. Ferreira.

NEPTICULIDAE

Stigmella basiguttella (Heinemann, 1862)

DL: Couce, leafmine on *Quercus robur* L., 18-XI-2019, Nunes.

Stigmella atricapitella (Haworth, 1828)

TM: Lordelo, 11-VII-2019, Gonzalez, det. Corley.

Trifurcula orientella Klimesch, 1953

BL: Outeiro dos Gamanhos, 28-VI-2019, Rosete, det. Corley.

Bohemannia pulverosella (Stainton, 1849)

Second Portuguese record. TM: Dine, empty leafmine on *Malus sp.*, 20-IX-2019, Corley and Nunes.

Ectoedemia suberis (Stainton, 1869)

DL: Valongo, leafmine on *Quercus suber* L., 1-III-2019, Nunes, det. Corley from reared adult.

TISCHERIIDAE

Coptotriche marginea (Haworth, 1828)

BAL: Moinhos de Paneiro, 16-IV-2019, Nunes, Silva and Jesus.

ERIOCOTTIDAE

Eriocottis hispanica Zagulajev, 1988

BA: Faia Brava, 10-V-2019, Nunes, Silva and Jesus.

PSYCHIDAE

Placodoma calpella Sobczyk, 2013

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira, det. Arnscheid.

Ptilocephala albida (Esper, 1786)

BL: Buracas de Casmilo, 1-V-2019, by day, Rosete.

Delete *Phalacropterix graminifera* (Fourcroy, 1785) from Portuguese list. A specimen in SMNK collected by T. Monteiro and determined as the synonym *constancella* Bruand, 1853 by Sieder is *P. fritschi* Hättenschwiler, 2003 (W. Arnscheid, pers. comm.). Other Monteiro specimens of *P. graminifera* can be assumed to belong to *P. fritschi*, see below.

Phalacropterix fritschi Hättenschwiler, 2003

= *constancella sensu* Monteiro, 1956

DL: Singeverga, VI-1948, Monteiro (SMNK). Monteiro's other records of *constancella* from Mosteiro de Singeverga, Citânia de Sanfins, Santa do Amparo, Azurara and Pedras Rubras (MONTEIRO, 1956) are all from Douro Litoral. As Monteiro would have named these by comparison with the Singeverga specimen named by Sieder, there can be little doubt that all belong to *P. fritschi*. This is a considerable extension of range for the Portuguese endemic *P. fritschi*, previously known only from Algarve.

TINEIDAE

Morphaga morella (Duponchel, 1838)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Nemapogon agenjoi Petersen, 1959

R: Colos, 13-VI-2019, Terry.

Triaxomasia caprimulgella (Stainton, 1851)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Neurothaumasia ankerella (Mann, 1867)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Reisserita zernyi Petersen, 1957

R: Entrevinhas, Sardoal, 25-VII-2019, Rosete and Lameirinhas.

Monopis obviella (Denis & Schiffermüller, 1775)

TM: Guadramil, 20-IX-2019, Corley, Nunes and S. Ferreira.

Crassicornella agenjo Petersen, 1957

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Ateliotum petrinella (Herrich-Schäffer, 1854)

ALG: Corte de Pero Jaques, 24-VIII-2019, Rosete, det. Corley.

BUCCULATRICIDAE

Bucculatrix albedinella (Zeller, 1839)

Second Portuguese record. TM: Guadramil, leafmines on *Ulmus minor* Mill., 20-IX-2019, Corley and Nunes.

Bucculatrix diffusella Menhofer, 1943

BL: Praia do Cabedelo, 16-VII-2019, Rosete, det. Corley.

GRACILLARIIDAE

Parectopa ononidis (Zeller, 1839)

BAL: Canto Mosqueiro, 28-V-2019, Corley and S. Ferreira.

Micrurapteryx kollariella (Zeller, 1839)

BA: Covão da Ponte, 16-VIII-2019, Rosete.

Euspilapteryx auroguttella Stephens, 1835

R: Colos, 10-VI-2019, Terry.

Spulerina simplonia (Fischer von Röslerstamm, 1840)

R: Colos, 10-VI-2019, Terry.

Phyllonorycter mespilella (Hübner, 1805)

M: Curras Grandes, leafmine on *Pyrus cordata* Desv., 3-VI-2019, Corley.

Phyllonorycter floridae Laštůvka & Laštůvka, 2012

TM: Vimioso, 8-VIII-2019, Gonzalez, det. Corley.

* *Phyllonorycter comparella* (Duponchel, 1843)

TM: R. Angueira below Castelo de Algoso, leafmines on *Populus canescens* (Aiton) Sm., 24-IX-2019, Corley. Widespread in central Europe, also present in a few countries further north and south and in some Mediterranean Islands. [Also recorded from *Populus alba* L. and *P. nigra* L.].

YPONOMEUTIDAE

Zelleria oleastrella (Millière, 1864)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira; R: Colos, 8-VI-2019, Terry.

Swammerdamia pyrella (Villers, 1789)

M: Curras Grandes, larva on *Pyrus cordata* Desv., 3-VI-2019, Corley.

PRAYDIDAE

Prays oleae (Bernard, 1788)

R: Outeiro, Alcobertas, 23-V-2019, Corley.

DOUGLASIIDAE

Tinagma ocnerostomella (Stainton, 1850)

E: Rua do Furo, 23-V-2019, Corley and S. Ferreira.

AUTOSTICHIDAE

Arragonia punctivittella (Zerny, 1927)

TM: Guadramil, 17-VIII-2019, Nunes, Silva and Jesus.

Oegoconia novimundi (Busck, 1915)

TM: São Martinho de Angueira, 23-IX-2019, Corley and S. Ferreira.

** *Apatema apolausticum* Gozmány, 1996

ALG: Serra de Monte Figo, 19-V-2002, Corley. South-east Europe from Italy and Slovakia to Romania. [Host-plant unknown but probably feeds on plant detritus].

Symmocoides oxybiella (Millière, 1872)

BL: Ansião, 16-VII-2019, Rosete.

Stibaromacha ratella (Herrich-Schäffer, 1854)

R: Colos, 10-VI-2019, Terry.

LECITHOCERIDAE

Homaloxestis briantiella (Turati, 1879)

BL: Ansião, 16-VII-2019, Rosete, det. Corley.

Eurodachtha pallicornella (Staudinger, 1859)

R: Colos, 13-VI-2019, Terry.

OECOPHORIDAE

Kasyniana griseosericeella (Ragonot, 1879)

BAL: Vale de Gomes, 27-V-2019, Corley and S. Ferreira.

Alabonia herculeella Walsingham, 1903

E: Quinta do Pisão, 12-V-2019, Tagis, det. Corley.

Pleurota andalusica Back, 1973

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira; R: Colos, 10-VI-2019, Terry;
BL: Ansião, 16-VII-2019, Rosete, det. Corley.

Pleurota planella (Staudinger, 1859)

BL: Abiúl, 31-V-2019, Corley and Rosete.

DEPRESSARIIDAE

Agonopterix nodiflorella (Millière, 1866)

E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

Agonopterix umbellana (Fabricius, 1794)

BL: Buracas de Casmilo, 2-VIII-2019, Rosete.

Agonopterix heracliiana (Linnaeus, 1758)

E: Vale da Cabeceira, larvae on flowers of *Oenanthe crocata* L., 25-V-2019, Corley.

Agonopterix thapsiella (Zeller, 1847)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Agonopterix alstromeriana (Clerck, 1759)

DL: Valongo, 24-I-2019, Nunes.

Agonopterix subpropinquella (Stainton, 1849)

R: Valverde, larvae on *Leuzea conifera* (L.) DC, 24-V-2019, Corley.

Exaeretia lutosella (Herrich-Schäffer, 1854)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira; R: Colos, 8-VI-2019, Terry.

Depressaria daucella (Denis & Schiffermüller, 1775)

E: Vale da Cabeceira, larvae on flowers of *Oenanthe crocata* L., 25-V-2019, Corley.

COSMOPTERIGIDAE

Eteobalea intermediella (Riedl, 1966)

R: Colos, 8-VI-2019, Terry.

Vulcaniella fiordalisa (Petty, 1904)

BAL: Vale de Gomes, 27-V-2019, Corley and S. Ferreira.

GELECHIIDAE

Aproaerema sangiella (Stainton, 1863)

E: Azelha, 13-VI-2019, Terry; BAL: Canto Mosqueiro, 28-V-2019, Corley and S. Ferreira.

Mesophleps oxycedrella (Millière, 1871)

E: Azelha, 13-VI-2019, Terry.

Nothris congressariella (Bruand, 1858)

BL: Abiúl, 31-V-2019, Corley and Rosete.

Neofaculta ericetella (Geyer, 1832)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Dichomeris acuminatus (Staudinger, 1876)

BAL: Canto Mosqueiro, 28-V-2019, Corley and S. Ferreira.

Dichomeris limbipunctella (Staudinger, 1859)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Catatinagma agenjoi (Gozmány, 1954)

Coloptilia conchylidella (Hofmann, 1898) was recorded in Algarve in CARVALHO & CORLEY (1995), but subsequently excluded from the Portuguese fauna in CORLEY (2015) without a correct identification for the specimen being provided. Recent re-examination shows that it belongs to *Catatinagma agenjoi*.

Bryotropha terrella (Denis & Schiffermüller, 1775)

E: Rua do Furo, 23-V-2019, Corley and S. Ferreira.

Aristotelia subdecurtella (Stainton, 1859)

BAL: Lagoa de Santo André, 26-V-2019, Corley.

Aristotelia brizella (Treitschke, 1833)

BAL: Lagoa de Santo André, 26-V-2019, Corley.

Isophrictis anthemidella (Wocke, 1871)

E: Vale da Cabeceira, 25-V-2019, Corley; BA: Fráguas, 23-VII-2019, Tagis, det. Corley.

Metzneria aestivella (Zeller, 1839)

R: Colos, 8-VI-2019, Terry.

Metzneria littorella (Douglas, 1850)

BL: Peixeiro, 4-V-2019, Rosete, det. Corley.

Metzneria tristella Rebel, 1901

BL: Abiúl, 22-VI-2019, Rosete, det. Corley.

Ptocheuusa paupella (Zeller, 1847)

R: Colos, 8-VI-2019, Terry.

Oxypteryx immaculatella (Douglas, 1850)

R: Colos, 10-VI-2019, Terry.

Oxypteryx helotella (Staudinger, 1859)

BAL: Lagoa de Santo André, 26-V-2019, Corley.

* *Gladiovalva rumicivorella* (Millière, 1881)

M: Serra de Arga, 3-VIII-2019, Silva and Jesus (fig. 1). Spain to Germany, Switzerland and Italy. [*Rumex scutatus* L.].

Mirificarma denotata Pitkin, 1984

E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

Psoricoptera gibbosella (Zeller, 1839)

TM: Carrazedo, 18-IX-2019, Corley, Nunes & S. Ferreira.

Scrobipalpa acuminatella (Sircom, 1850)

BL: Madriz, 5-VII-2019, Rosete, det. Corley.

Scrobipalpa vasconiella (Rössler, 1877)

R: Colos, 9-VI-2019, Terry.

Scrobipalpa artemisiella (Treitschke, 1833)

TM: Guadramil, 17-VIII-2019, Nunes, Silva and Jesus, det. Corley.

Scrobipalpa salinella (Zeller, 1847)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Tuta absoluta (Meyrick, 1917)

R: Valverde, 24-V-2019, Corley and S. Ferreira; E: Vale da Cabeceira, 25-V-2019, Corley.

Klimeschiopsis terroris (Hartig, 1938)

TM: Estevais, 24-IX-2019, Corley and S. Ferreira.

Teleiodes albidorsella Huemer & Karsholt, 1999

M: Vale de Branco, 27-VIII-2019, Tagis, det. Corley.

Teleopsis diffinis (Haworth, 1828)

R: Colos, 10-VI-2019, Terry; E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

Pseudotelphusa scalella (Scopoli, 1763)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Pseudotelphusa occidentella Huemer & Karsholt, 1999

BAL: Moinhos de Paneiro, 16-IV-2019, Nunes, Silva and Jesus.

Recurvaria leucatella (Clerck, 1759)

BL: Buracas de Casmilo, 2-VIII-2019, Rosete.

ELACHISTIDAE

Elachista hispanica Traugott-Olsen, 1992

R: Colos, 10-VI-2019, Terry.

Elachista obliquella Stainton, 1854

E: Vale da Cabeceira, 25-V-2019, Corley.

Haplochrois ochraceella (Rebel, 1903)

E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

COLEOPHORIDAE

Coleophora conyzae Zeller, 1868

R: Colos, 10-VI-2019, Terry.

Coleophora acrisella Millière, 1872

Recorded feeding on *Coronilla glauca* (CORLEY, 2015), but these records are misidentifications of *Coleophora sisteronica* Toll, 1961. Other records are correct.

Coleophora sisteronica Toll, 1961

ALG: Silves, cases on *Coronilla glauca* L., 9-XI-2000, 18-III-2011, Corley; third record, BL: Abiúl, cases on *Coronilla repanda* (Poir.) Guss., 31-V-2019, Corley and Rosete.

Coleophora deauratella Lienig & Zeller, 1846

R: Colos, 13-VI-2019, Terry.

Coleophora amethystinella Ragonot, 1885

BA: Vilar do Amargo, 11-V-2019, Nunes, det. Corley.

** *Coleophora currucipennella* Zeller, 1839

TM: Pitões das Júnias, 24-VII-2019, Nunes and Jesus, det. Corley (fig. 2). Middle latitudes of Europe, reaching north to southern parts of Scandinavia and south to a few Mediterranean countries, including Greece. [*Quercus* sp., *Salix* sp., *Carpinus* sp.].

Coleophora helichrysiella Krone, 1909

BAL: Monte Velho, 26-V-2019, Corley and S. Ferreira.

Coleophora albicosta (Haworth, 1828)

E: Rua do Furo, 23-V-2019, Corley and S. Ferreira.

Coleophora pennella (Denis & Schiffermüller, 1775)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Coleophora alticolella Zeller, 1849

BA: Covão da Ametade, 9-VII-2019, Rosete, det. Corley.

Coleophora maritimella Newman, 1863

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

* *Coleophora ribasella* Baldizzone, 1982

BL: Praia do Cabedelo, 31-VIII-2017, reared from case on *Artemisia campestris maritima* (DC) Arcag, Rosete, det. S. Ferreira and Corley. [Spain, France].

SCYTHRIDIDAE

Scythris subseliniella (Heinemann, 1876)

BA: Lagoa Comprida, 9-VII-2019, Rosete, det. Corley.

Scythris potentillella (Zeller, 1847)

BA: Vilar de Amargo, 11-V-2019, Nunes, Silva and Jesus, det. Corley; TM: Turning to Lama Grande, 14-VIII-2019, Tagis, det. Corley.

Scythris cistorum (Millière, 1876)

BAL: Foros da Quinta, 26-V-2019, Corley and S. Ferreira.

Scythris scopolella (Linnaeus, 1767)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Scythris lafauryi Passerin d'Entrèves, 1986

TM: Santo André, 16-IX-2019, Corley, Nunes and S. Ferreira.

Episcythris triangulella (Ragonot, 1874)

BL: Relvas, 26-VII-2019, Rosete, det. Corley.

BLASTOBASIDAE

Blastobasis phycidella (Zeller, 1839)

DL: Vila Nova de Gaia, 25-VI-2010, Corley.

* *Hypatopa segnella* (Zeller, 1873)

TM: Alto de Ciradelle, 10-VIII-2019, Tagis, det. Corley. Distribution very scattered from South Russia and Finland to France and Spain, but absent from many countries. [Larva on plant detritus].

MOMPHIDAE

Mompha miscella (Denis & Schiffermüller, 1775)

BAL: Foros da Quinta, 26-V-2019, Corley and S. Ferreira.

Mompha propinquella (Stanton, 1851)

BA: Covão da Ponte, 16-VIII-2019, Rosete.

PTEROLONCHIDAE

Pterolonche lutescentella Chrétien, 1922

BL: Buracas de Casmilo, 2-VIII-2019, Rosete, det. Corley.

LYPUSIDAE

Agnoea amparoella (Vives, 1986)

BAL: Vale de Gomes, 27-V-2019, Corley and S. Ferreira; E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

ALUCITIDAE

Alucita hexadactyla Linnaeus, 1758

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Alucita huebneri Wallengren, 1859

BL: Ansião, 20-V-2017, Rosete, det. Corley.

PTEROPHORIDAE

Agdistis meridionalis (Zeller, 1847)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Stenoptilia pelidnodactyla (Stein, 1857)

BB: Cântaro Raso, 24-VI-2010, Corley.

Stenoptilia zophodactylus (Duponchel, 1840)

R: Colos, 8-VI-2019, Terry.

Merrifieldia tridactyla (Linnaeus, 1758)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Merrifieldia baliodactylus (Zeller, 1841)

BL: Chão do Ulmeiro, 27-VI-2019, Rosete, det. Corley.

Merrifieldia malacodactylus (Zeller, 1847)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

SCHRECKENSTEINIIDAE

* *Schreckensteinia festaliella* (Hübner, 1796)

E: Vale da Cabeceira, 25-V-2019, Corley. Almost all Europe, but absent from Mediterranean islands and some countries in the south-east. [*Rubus fruticosus* L., *R. idaeus* L.].

EPERMENIIDAE

Epermenia aequidentellus (E. Hofmann, 1867)

E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira; R: Colos, 8-VI-2019, Terry.

Epermenia ochreofasciella (Millière, 1854)

Third and fourth records. TM: Balsamão, 22-IX-2019, Corley and S. Ferreira; São Martinho da Angueira, 23-IX-2019, Corley and S. Ferreira.

CHOREUTIDAE

Tebenna micalis (Mann, 1857)

R: Colos, 9-VI-2019, Terry.

Choreutis nemorana (Hübner, 1799)

BA: Penhas Douradas, 16-VIII-2019, Rosete.

TORTRICIDAE

Isotrias penedana Trematerra, 2013

TM: Marão, netted by day, 15-VI-2019, Nunes, Silva and Jesus (fig. 3). This male differs from those found in the Castro Laboreiro area (TREMATERRA, 2013) in having indications of the yellow transverse markings that are found in the females (CORLEY & FERREIRA, 2017), although still with a reticulate pattern over the whole forewing. Male genitalia show no differences from those figured by TREMATERRA (2013).

Paramesia alhamana (Schmidt, 1933)

E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira; BL: Abiúl, 31-V-2019, Corley and Rosete.

Avaria joannisiana (Ragonot, 1888)

ALG: Sargaçal, 13-XI-2019, Valadares, det. Corley.

Syndemis musculana (Hübner, 1799)

DL: Vale Quente, Serra do Marão, 15-VI-2019, Nunes, Silva and Jesus.

Lozotaenia cupidinana (Staudinger, 1859)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Clepsis coriacana (Rebel, 1894)

BAL: Canto Mosqueiro, larva on *Lotus creticus*, 28-V-2019, Corley and S. Ferreira.

Clepsis peritana (Clemens, 1860)

BAL: Canto Mosqueiro, 28-V-2019, Corley and S. Ferreira; BL: Figueiró do Campo, 31-VIII-2019, I. Ferreira.

Tortricodes alternella (Denis & Schiffermüller, 1775)

BA: Picão, 4-I-2019, Nunes, Silva and Jesus.

Cnephasia stephensiana (Doubleday, 1849)

E: Rua do Furo, 23-V-2019, Corley and S. Ferreira.

Cnephasia longana (Haworth, 1811)

E: Berlenga, 14-V-2019, Tagis, det. Corley; BL: Buracas de Casmilo, 1-V-2019, Rosete, det. Corley; Curras Grandes, 3-VI-2019, Corley.

Cnephasia ecullyana Réal, 1951

BAL: Vale de Gomes, 27-V-2019, Corley and S. Ferreira.

Tortrix viridana Linnaeus, 1758

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Aleimma loeflingiana (Linnaeus, 1758)

R: Outeiro, Alcobertas, 23-V-2019, Corley.

Acleris schalleriana (Linnaeus, 1761)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira; BL: Abiúl, 31-V-2019, Corley and Rosete.

Cochylimorpha elongana (Fischer von Röslerstamm, 1839)

BAL: Lagoa de Santo André, 26-V-2019, Corley and S. Ferreira.

Agapeta angelana (Kennel, 1919)

Second Portuguese record. BL: São Romão, Vagos, 10-VI-2019, Tagis, det. Corley.

Eugnosta lathoniana (Hübner, 1800)

TM: Guadramil, 17-VIII-2019, Nunes, Silva and Jesus (fig. 4). Only one previous record MENDES (1910).

Aethes beatricella (Walsingham, 1898)

BL: Ansião, 16-VII-2019, Rosete, det. Corley.

Aethes bilbaensis (Rössler, 1877)

R: Colos, 9-VI-2019, Terry.

* *Aethes mauritanica* (Walsingham, 1898)

BAL: Vila Nova de Milfontes, 27-V-2019, Corley and S. Ferreira. South Europe from Spain and Corsica to Greece and Bulgaria. [*Elaeoselinum meoides* (Desf.) W. D. J. Koch ex DC].

Diceratura infantana (Kennel, 1899)

BAL: Monte Velho, Lagoa de Santo André, 26-V-2019, Corley and S. Ferreira.

** *Neocochylis millierana* (Peyerimhoff, 1877)

TM: Cigadonha, Gestosa, 16-VIII-2019, Nunes, Silva and Jesus, det. Corley (fig. 5). NEL & VARENNE (2017) show that *millierana* is not synonymous with *salebrana*, which has one record from Algarve (CORLEY, 2005), but with *Cochylis sannitica* Trematerra, 1995, known from France and Italy. Host-plant unknown.

Neocochylis molliculana (Zeller, 1847)

BAL: Lagoa de Santo André, 26-V-2019, Corley.

Brevicornutia pallidana (Zeller, 1847)

BAL: Lagoa de Santo André, 26-V-2019, Corley.

Piniphila bifasciana (Haworth, 1811)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Lobesia bicinctana (Duponchel, 1844)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Lobesia artemisiana (Zeller, 1847)

E: Berlenga, 14-V-2019, Tagis, det. Corley.

Endothenia gentianaeana (Hübner, 1799)

BA: Nodar, Serra de Montemuro, 22-VII-2019, Tagis, det. Corley.

Endothenia marginana (Haworth, 1811)

BAL: Lagoa de Santo André, 26-V-2019, Corley.

Ancylis obtusana (Haworth, 1811)

DL: Vale Quente, Serra do Marão, 15-VI-2019, Nunes, Silva and Jesus.

Thiodia trochilana (Frölich, 1828)

E: Berlenga, 14-V-2019, Tagis, det. Corley.

Acroclita subsequana (Herrich-Schäffer, 1851)

R: Outeiro, Alcobertas, 23-V-2019, Corley.

Epinotia bilunana (Haworth, 1811)

Third Portuguese locality. TM: Quintã, 20-V-2016, Fernandes and Gonzalez, det. Corley.

Zeiraphera isertana (Fabricius, 1794)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Gypsonoma imparana Müller-Rutz, 1914

M: Serra de Arga: Parque Eólico, larva on *Salix atrocinerea*, 3-VI-2019, Corley.

Notocelia incarnatana (Hübner, 1800)

BAL: Foros da Quinta, 26-V-2019, Corley and S. Ferreira.

Notocelia trimaculana (Haworth, 1811)

E: Rua do Furo, 23-V-2019, Corley and S. Ferreira.

* *Pseudococcyx friedmariana* Larsen, 2020

AAL: Minhota, 5-VI-1996, Corley; Marco, E. of Esperança, 12-V-1999, Corley; BL: Ceira, 25-V-2006, Pires, det. Corley; Poço, 7-VI-2016, Rosete, det. Corley (fig. 6); BAL: Praia do Malhão, 12-V-2017, Marabuto, Grundy, Nunes, Silva and Jesus, det. Corley; Lagoa de Santo André, 26-V-2019 Corley and S. Ferreira. The species was recently described from two localities in Spain, based on two male specimens (LARSEN, 2020). In Portugal only females have been found. These have been barcoded but barcodes are not available for Spanish material. The conspecificity of Spanish and Portuguese material is therefore not proven, but we consider it probable. Host-plant unknown.

Delete *Retinia resinella* (Linnaeus, 1758) from Portuguese list. The record and photo from BAL: Praia do Malhão in CORLEY *et al.* (2018) clearly belong to *Pseudococcyx friedmariana* (above). *R. resinella* has only two other Portuguese records: BL: Mata de Leiria, A. F. de Seabra (SEABRA, 1939) and ALG: São Romão, V-1982, J. Passos de Carvalho (MONTEIRO & CARVALHO, 1984). Without supporting evidence and in view of the possibility of confusion of this species with *P. friedmariana*, these two isolated records must be considered doubtful. The species should therefore be removed from the Portuguese list.

Clavigesta sylvestrana (Curtis, 1850)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Rhyacionia buoliana (Denis & Schiffermüller, 1775)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Cydia gilviciliana (Staudinger, 1859)

BAL: Canto Mosqueiro, 28-V-2019, Corley and S. Ferreira.

BRACHODIDAE

Brachodes gaditana (Rambur, 1866)

BL: Poço, 18-VII-2019, Rosete.

COSSIDAE

Dyspessa ulula (Borkhausen, 1790)

BAL: Noudar, Barrancos, 10-IV-2019, Tagis; R: Colos, 10-VI-2019, Terry.

SESIIDAE

Bembecia ichneumoniformis (Denis & Schiffermüller, 1775)

R: Golegã, 12-VI-2019, Terry.

Bembecia uroceriformis (Treitschke, 1834)

BL: Outeiro dos Gamanhos, 29-VI-2019, Rosete, det. Corley; TM: Guadramil, 17-VIII-2019, Nunes, Silva and Jesus.

Pyropteron meriaeformis (Boisduval, 1840)

E: Marateca, 5-VI-2019, Tagis, det. Corley.

PYRALIDAE

Pyalis lienigialis (Zeller, 1843)

BAL: Vale de Gomes, 27-V-2019, Corley and S. Ferreira; E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

Bostra obsoletalis (Mann, 1864)

R: Colos, 8-VI-2019, Terry.

Stemmatophora combustalis (Fischer von Röslerstamm, 1842)

R: Colos, 13-VI-2019, Terry.

Stemmatophora rungsi (Leraut, 2000)

DL: Regoufe, 21-VII-2019, Tagis, det. Corley.

Synaphe moldavica (Esper, 1794)

BL: Chão do Ulmeiro, 27-VI-2019, Rosete.

Cryptoblabes gnidiella (Millière, 1867)

TM: Alto de Ciradelle, 10-VIII-2019, Tagis, det. Corley.

Bradyrrhoa cantenerella (Duponchel, 1837)

BL: Vale da Couda, 4-VII-2019, Rosete.

Pempelia palumbella (Denis & Schiffermüller, 1775)

R: Colos, 10-VI-2019, Terry.

Asalebria florella (Mann, 1862)

E: Rua do Furo, 23-V-2019, Corley and S. Ferreira; R: Colos, 9-VI-2019, Terry.

Dioryctria sylvestrella (Ratzeburg, 1840)

TM: Lordelo, 2-IX-2016, Fernandes and Gonzalez, det. Corley.

Dioryctria mendacella (Staudinger, 1859)

R: Colos, 12-VI-2019, Terry.

Epischnia prodromella (Hübner, 1799)

M: Mosteiro de São João de Arga, 25-IX-2019, Corley and S. Ferreira.

Elegia fallax (Staudinger, 1881)

= *fallaximima* Nel & Mazel, 2011; *fallax sensu* Slamka, 2019

BAL: Vale de Gomes, 27-V-2019, Corley and S. Ferreira; E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

Elegia similella (Zincken, 1818)

TM: Pitões das Júnias, 24-VII-2019, Nunes and Jesus.

Pima boisduvaliella (Guenée, 1845)

BAL: Praia dos Aivados, 10-III-2019, Tagis, det. Corley.

Melathrix coenulentella (Zeller, 1846)

R: Colos, 13-VI-2019, Terry.

Delplanqueia dilutella (Denis & Schiffermüller, 1775)

DL: Regoufe, 21-VII-2019, Tagis, det. Corley.

Delplanqueia inscriptella (Duponchel, 1836)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Pempeliella ardotiella (Ragonot, 1887)

BAL: Foros da Quinta, 26-V-2019, Corley and S. Ferreira.

Psorosa mediterranea Amsel, 1953

BL: Quinta do Canal, 14-IX-2019, Corley, Rosete, Nunes and S. Ferreira.

Acrobasis obliqua (Zeller, 1847)

R: Outeiro, Alcobertas, 23-V-2019, Corley.

Acrobasis consociella (Hübner, 1813)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Acrobasis suavelia (Zincken, 1818)

R: Colos, 10-VI-2019, Terry; BL: Ansião, 16-VII-2019, Rosete.

Acrobasis marmorea (Haworth, 1811)

R: Colos, 9-VI-2019, Terry; BA: Vilar de Amargo, 11-V-2019, Nunes, Silva and Jesus.

Myelois circumvoluta (Fourcroy, 1785)

R: Colos, 13-VI-2019, Terry.

Apomyelois ceratoniae (Zeller, 1839)

R: Ave Casta, 21-V-2019, Tagis, det. Corley.

Eccopisa effractella Zeller, 1848

E: Vale da Cabeceira, 25-V-2019, Corley.

Euzophera fuliginosella (Heinemann, 1865)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Nyctegretis ruminella La Harpe, 1860

BAL: Vale de Gomes, 27-V-2019, Corley and S. Ferreira.

Ancylosis cinnamomella (Duponchel, 1836)

R: Outeiro, Alcobertas, 23-V-2019, Corley.

Ancylosis sareptalla (Herrich-Schäffer, 1861)

BAL: Vila Nova de Milfontes, 28-V-2019, Corley and S. Ferreira.

Ancylosis arenosella (Staudinger, 1859)

BAL: Praia dos Aivados, 10-III-2019, Tagis, det. Corley.

Phycitodes inquinatella (Ragonot, 1887)

R: Colos, 10-VI-2019, Terry.

Ephestia welseriella (Zeller, 1848)

R: Colos, 12-VI-2019, Terry.

CRAMBIDAE

Pyrausta sanguinalis (Linnaeus, 1767)

R: Outeiro, Alcobertas, 23-V-2019, Corley.

Pyrausta neglectalis Caradja, 1916

R: Colos, 9-VI-2019, Terry.

Pyrausta despicata (Scopoli, 1753)

R: Colos, 12-VI-2019, Terry.

Anania terrealis (Treitschke, 1829)

TM: Serra do Larouco, 15-IX-2019, Corley, Nunes and S. Ferreira.

Anania verbascalis (Denis & Schiffermüller, 1775)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Udea ferrugalis (Hübner, 1796)

R: Colos, 8-VI-2019, Terry.

Udea numeralis (Hübner, 1796)

R: Colos, 8-VI-2019, Terry.

Mecyna asinalis (Hübner, 1819)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Agrotera nemoralis (Scopoli, 1763)

ALG: Alfambras, 7-VIII-2019, Valadares.

Palpita vitrealis (Rossi, 1794)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Dolicharthria aetnealis (Duponchel, 1833)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Cynaeda dentalis (Denis & Schiffermüller, 1775)

R: Colos, 13-VI-2019, Terry; E: Berlenga, 14-V-2019, Tagis, det. Corley.

Evergestis politalis (Denis & Schiffermüller, 1775)

R: Outeiro, Alcobertas, 23-V-2019, Corley.

Scoparia pyralella (Denis & Schiffermüller, 1775)

DL: Vale Quente, Serra do Marão, 15-VI-2019, Nunes, Silva and Jesus.

Scoparia staudingeralis (Mabille, 1869)

BAL: Safara, 12-IV-2019, Tagis, det. Corley.

Eudonia angustea (Curtis, 1827)

R: Olhos de Água de Alviela, 18-V-2019, Tagis, det. Corley.

Eudonia lineola (Curtis, 1827)

R: Outeiro, Alcobertas, 23-V-2019, Corley.

Eudonia delunella (Stainton, 1849)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Heliothela wulfeniana (Scopoli, 1763)

BB: Cortes de Meio, 22-VI-2019, Tagis, det. E. Marabuto.

Chrysoteuchia culmella (Linnaeus, 1758)

BAL: Lagoa de Santo André, 26-V-2019, Corley.

Agriphila deliella (Hübner, 1813)

M: Mosteiro de São João de Arga, 25-IX-2019, Corley and S. Ferreira.

Agriphila tersellus (Lederer, 1855)

BL: Quinta do Canal, 14-IX-2019, Corley, Rosete, Nunes and S. Ferreira.

* *Catoptria lythargyrella* (Hübner, 1796)

TM: Montesinho, 19-IX-2019, Corley, Nunes and S. Ferreira. Middle latitudes of Europe, absent from several countries in north and south and some Mediterranean islands. [Grasses].

Mesocrambus tamsi Błeszyński, 1960

BA: Escalhão, 10-VII-2019, Tagis, det. Corley.

Hyperlais siccalis (Guenée, 1854)

R: Outeiro, Alcobertas, 23-V-2019, Corley; E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

Elophila nymphaeata (Linnaeus, 1758)

BA: Vilar de Amargo, 11-V-2019, Nunes, Silva and Jesus.

LASIOCAMPIDAE

Macrothylacia digramma Meade-Waldo, 1905

R: Valverde, 24-V-2019, Corley and S. Ferreira.

SATURNIIDAE

Saturnia pavonia (Linnaeus, 1758)

BAL: Praia dos Aivados, 10-III-2019, Tagis.

SPHINGIDAE

Marumba quercus (Denis & Schiffermüller, 1775)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Mimas tiliae (Linnaeus, 1758)

E: Sintra (CARNEIRO MENDES, 1951). Accidentally omitted by CORLEY (2015).

Sphinx ligustri Linnaeus, 1758

R: Senteiras, 20-V-2019, Érica Brunheta, comm. A. Lameirinhas.

Hyles euphorbiae (Linnaeus, 1758)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Deilephila porcellus (Linnaeus, 1758)

BB: Parque Campismo de Pião, 10-VI-2019, Nunes, Silva and Jesus.

GEOMETRIDAE

Idaea sardoniata (Homberg, 1912)

R: Colos, 8-VI-2019, Terry; E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

Idaea consanguiberica Rezbanyai-Reser & Expósito, 1992

BA: Castelo Bom, 12-VIII-2019, Skou.

Idaea mustelata (Gumppenberg, 1892)

BAL: Vila Nova de Milfontes, 28-V-2019, Corley and S. Ferreira.

Idaea efflorata Zeller, 1849

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Idaea incisaria (Staudinger, 1892)

BA: Vilar de Amargo, 11-V-2019, Nunes, Silva and Jesus.

Idaea robiginata (Staudinger, 1863)

DL: Vale Quente, Serra do Marão, 15-VI-2019, Nunes, Silva and Jesus.

Idaea bigladiata Herbulot, 1975

R: Outeiro, Alcobertas, 23-V-2019, Corley; BA: Faia Brava Reserve, 10-V-2019, Nunes, Silva and Jesus.

Idaea carvalhoi Herbulot, 1979

R: Colos, 8-VI-2019, Terry.

Idaea dimidiata (Hufnagel, 1767)

E: Rua do Furo, 23-V-2019, Corley and S. Ferreira.

Idaea ostrinaria (Hübner, 1813)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Idaea dromikos Hausmann, 2004

BA: Covão da Ponte, 16-VIII-2019, Rosete.

Idaea straminata (Borkhausen, 1794)

R: Colos, 10-VI-2019, Terry.

Anthometra plumularia Boisduval, 1840

ALG: Alfambras, 2-VII-2016, 28-VI-2018, Valadares; R: Colos, 9-VI-2019, Terry.

Catarhoe rubidata (Denis & Schiffermüller, 1775)

TM: Pitões das Júnias, 15-VII-2019, Nunes and Pires.

Larentia clavaria (Haworth, 1809)

BL: Moura da Serra, 26-X-2019, Rosete.

Euphyia unangulata (Haworth, 1809)

Second Portuguese record. M: Mosteiro de São João de Arga, 3-VI-2019, Corley and S. Ferreira.

Thera obeliscata (Hübner, 1787)

DL: Vale Quente, Serra do Marão, 15-VI-2019, Nunes, Silva and Jesus.

Chloroclysta miata (Linnaeus, 1758)

TM: Montesinho, 19-IX-2019, Corley, Nunes and S. Ferreira.

Asthenes albulata (Hufnagel, 1767)

BL: Moura da Serra, 15-V-2016, Rosete. The record for BL given in CORLEY (2015) belongs to DL.

Chloroclystis v-ata (Haworth, 1809)

E: Rua do Furo, 23-V-2019, Corley and S. Ferreira.

Eupithecia cocciferata Millière, 1864

BAL: Moinhos de Paneiro, 16-IV-2019, Nunes, Silva and Jesus.

Eupithecia abbreviata Stephens, 1831

E: Quinta do Pisão, 12-V-2019, Tagis, det. Corley.

Eupithecia dodoneata Guenée, 1858

R: Colos, 9-VI-2019, Terry.

Eupithecia massiliata Millière, 1863

BAL: Moinhos de Paneiro, 16-IV-2019, Nunes, Silva and Jesus.

Eupithecia scopariata (Rambur, 1833)

R: Colos, 9-VI-2019, Terry.

Eupithecia breviculata (Donzel, 1837)

BAL: Foros da Quinta, 26-V-2019, Corley and S. Ferreira; R: Colos, 8-VI-2019, Terry.

* *Eupithecia assimilata* Doubleday, 1856

TM: Penelas, Ermida, larva on *Humulus lupulus* L., 8-X-2016, Nunes, conf. Townsend (fig. 7). Almost all Europe, absent from some countries in south-east. [Larva also on *Ribes* sp.].

Aplocera efformata (Guenée, 1858)

BAL: Vila Nova de Milfontes, 28-V-2019, Corley and S. Ferreira.

Chesias rufata (Fabricius, 1775)

BAL: Moinhos de Paneiro, 16-IV-2019, Nunes, Silva and Jesus.

Acasis viretata (Hübner, 1799)

BAL: Santa Bárbara, 11-III-2019, Tagis.

Lomasipilis marginata (Linnaeus, 1758)

BL: Jafafe de Cima, 12-VI-2019, Tagis.

Acanthoalva inconspicuaris (Hübner, 1819)

E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

Neognopharmia stevenaria (Boisduval, 1840)

BAL: Noudar, Barrancos, 10-IV-2019, Tagis.

Petrophora chlorosata (Scopoli, 1763)

BB: Parque Campismo de Pião, 10-VI-2019, Nunes, Silva and Jesus.

Selenia lunularia (Hübner, 1788)

BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira.

Tephronia espaniola Schawerda, 1931

Second Portuguese record. TM: Cigadonha, Gestosa, 16-VIII-2019, Nunes, Silva and Jesus (fig. 8).

Hylaea fasciaria (Linnaeus, 1758)

DL: Vale Quente, Serra do Marão, 15-VI-2019, Nunes, Silva and Jesus.

Charissa crenulata avilarius (Reisser, 1936)

BB: Parque Campismo de Pião, 10-VI-2019, Nunes, Silva and Jesus.

Thalera fimbrialis (Scopoli, 1763)

R: Colos, 8-VI-2019, Terry.

NOTODONTIDAE

Stauropus fagi (Linnaeus, 1758)

BAL: Santa Bárbara, 11-III-2019, Tagis.

Notodonta dromedarius (Linnaeus, 1767)

DL: Vale Quente, Serra do Marão, 15-VI-2019, Nunes, Silva and Jesus.

Ptilodon capucina (Linnaeus, 1758)

Third Portuguese record. M: Mosteiro de São João de Arga, 3-VI-2019, Corley and S. Ferreira.

EREBIDAE

Orgyia aurolimbata Guenée, 1835

M: Serra de Arga: Parque Eólico, larva on *Salix atrocinerea* Brot., 3-VI-2019, Corley.

Orgyia trigotephras Boisduval, 1829

ALG: Cabranosa, Sagres, larva on *Quercus rotundifolia* L., 10-IV-2019, Fritsch; E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

Callimorpha dominula (Linnaeus, 1758)

DL: Alto das Velhas, 3-VII-2011, Silva.

Coscinia chrysocephala (Hübner, 1804)

BAL: Vargens, Ribeira de Vascão, 24-III-2019, Tagis; R: Colos, 8-VI-2019, Terry.

Lygephila cracca (Denis & Schiffermüller, 1775)

R: Outeiro, Alcobertas, 23-V-2019, Corley.

Tathorhynchus exsiccata (Lederer, 1855)

BL: Lagoa de São José, 26-XII-2019, Rosete.

Parascotia nissenii Turati, 1905

E: Quinta do Pisão, 12-V-2019, Tagis, det. Corley.

Rhypagla lacernaria (Hübner, 1813)

R: Ave Casta, 21-V-2019, Tagis.

Catephia alchymista (Denis & Schiffermüller, 1775)

R: Ave Casta, 21-V-2019, Tagis; E: Lagoa Pequena, Arrimal, 20-VII-2019, Tagis.

Catocala mariana Rambur, 1858

R: Colos, 8-VI-2019, Terry.

Catocala nymphagoga (Esper, 1787)

ALG: Cabranosa, Sagres, larva on *Quercus rotundifolia* L., 9-IV-2019, Fritsch.

Catocala promissa (Denis & Schiffermüller, 1775)

ALG: Cabo de São Vicente, larva on *Quercus rotundifolia* L., 10-IV-2019, Fritsch.

Minucia lunaris (Denis & Schiffermüller, 1775)

BAL: Moinhos de Paneiro, 16-IV-2019, Nunes, Silva and Jesus; BA: Faia Brava Reserve, 10-V-2019, Nunes, Silva and Jesus.

NOCTUIDAE

Chrysodeixis acuta (Walker, 1858)

ALG: Sargaçal, 29-X-2019, Valadares, conf. Yela from photo.

Aedia leucomelas (Linnaeus, 1758)

M: Mosteiro de São João de Arga, 3-VI-2019, Corley and S. Ferreira.

Acronicta megacephala (Denis & Schiffermüller, 1775)

BB: Cortes de Meio, 22-VI-2019, Tagis; BA: Mata do Desterro, 30-VI-2019, Tagis.

Synthimia fixa (Fabricius, 1787)

BAL: Moinhos de Paneiro, 16-IV-2019, Nunes, Silva and Jesus.

Calophasia almoravida Graslin, 1863
BL: Barra de Mira, 3-VI-2019, Tagis.

Omphalophana serrata (Trteitschke, 1835)
BAL: Safara, 12-IV-2019, Tagis.

Lophoterges millierei (Staudinger, 1871)
BAL: Rio Mira at Zambujeira, 29-V-2019, Corley and S. Ferreira; R: Colos, 12-VI-2019, Terry.

Amphipyra tetra (Fabricius, 1787)
TM: Carrazedo, 18-IX-2019, Corley, Nunes and S. Ferreira; São Martinho de Angueira, 23-IX-2019, Corley and S. Ferreira.

Valeria jaspidea (de Villers, 1789)
ALG: Três Figos, Corsino, 13-III-2019, Tagis; BAL: Santa Bárbara, 11-III-2019, Tagis.

Meganephria bimaculosa (Linnaeus, 1767)
Second to fourth Portuguese records. TM: Carrazedo, 18-IX-2019, Corley, Nunes and S. Ferreira; Guadramil, 20-IX-2019, Corley, Nunes and S. Ferreira; São Martinho de Angueira, 23-IX-2019, Corley and S. Ferreira.

Caradrina selini Boisduval, 1840
ALG: Três Figos, Corsino, 13-III-2019, Tagis.

Caradrina noctivaga Bellier, 1863
R: Colos, 9-VI-2019, Terry.

Hoplodrina octogenaria (Goeze, 1781)
E: Vale da Cabeceira, 25-V-2019, Corley.

Polyphaenis sericata (Esper, 1787)
R: Colos, 8-VI-2019, Terry.

Nonagria typhae (Thunberg, 1784)
TM: Campo de Viboras, 12-VII-2019, Tagis.

Laterologia ophiogramma (Esper, 1794)
Fourth Portuguese record. DL: Amorim, Póvoa de Varzim, 2-VI-2019, Corley and S. Ferreira.

Mesapamea secalis (Linnaeus, 1758)
BB: Cortes de Meio, 22-VI-2019, Tagis.

Oligia strigilis (Linnaeus, 1758)
BB: Parque Campismo de Pião, 10-VI-2019, Nunes, Silva and Jesus.

Episema grueneri Boisduval, 1837
TM: Estevais, 24-IX-2019, Corley and S. Ferreira.

Spudaea ruticilla (Esper, 1791)
ALG: Cabranosa, Sagres, larva on *Quercus rotundifolia* L., 14-IV-2019, Fritsch.

Conistra haleae Fibiger & Top-Jenen, 2010

DL: Valongo, 15-II-2019, Nunes.

Scotochrosta pulla (Denis & Schiffermüller, 1775)

TM: São Martinho de Angueira, 23-IX-2019, Corley and S. Ferreira.

Atethmia centrargo (Haworth, 1809)

Second Portuguese record. TM: Carrazedo, 18-IX-2019, Corley, Nunes and S. Ferreira.

Polymixis lichenea (Hübner, 1813)

BL: Moura da Serra, 26-X-2019, Rosete.

Lacanobia blenna (Hübner, 1824)

Third Portuguese locality. BL: Quinta do Canal, 1-VI-2019, Corley and Rosete.

Melanchra persicariae (Linnaeus, 1761)

TM: Pitões das Júnias, 24-VII-2019, Nunes and Jesus.

Conisania andalusica (Staudinger, 1859)

R: Valverde, 24-V-2019, Corley and S. Ferreira.

Hadena magnolii (Boisduval, 1829)

BA: Covão da Ametade, 8-VII-2019, Rosete.

Hadena sancta (Staudinger, 1859)

BL: Barra de Mira, 3-VI-2019, Tagis.

Mythimna straminea (Treitschke, 1825)

E: Lagoa de Albufeira, 10-V-2019, Tagis.

Dichagyris forcipula (Denis & Schiffermüller, 1775)

TM: Lamas de Olo, 2-VIII-2018, Gonzalez and Fernandes, det. Corley; Pitões das Júnias, 15-VII-2019, Nunes and Pires.

* *Euxoa nigricans* (Linnaeus, 1761)

TM: França, 19-IX-2019, Corley, Nunes and S. Ferreira. Almost all Europe. [Polyphagous on herbaceous plants].

Euxoa obelisca (Denis & Schiffermüller, 1775)

TM: Guadramil, 17-VIII-2019, Nunes, Silva and Jesus.

Axylia putris (Linnaeus, 1761)

E: Vale da Cabeceira, 25-V-2019, Corley.

Noctua fimbriata (Schreber, 1759)

BAL: Lagoa de Santo André, 26-V-2019, Corley.

Noctua tirrenica Biebinge, Speidel & Hanigk, 1983

E: Convento de Arrábida, 30-V-2019, Corley and S. Ferreira.

* *Naenia typica* (Linnaeus, 1758)

M: Ponte da Cavada Velha, Assureira, Castro Laboreiro, 3-VIII-2018, Jesus and Silva, conf. J. Yela. Widespread in middle latitudes of Europe, but absent from far north and areas with Mediterranean climate. [Polyphagous on herbaceous plants].

NOLIDAE

Nola infantula Kitt, 1926

M: Vale do Cuco, 25-VII-2019, Nunes and Jesus.

Nola tutulella Zerny, 1927

BA: Vilar de Amargo, 11-V-2019, Nunes, Silva and Jesus.

Nycteola columbana (Turner, 1925)

BL: Abiúl, 22-VI-2019, Rosete.

Earias insulana (Boisduval, 1833)

BL: Quinta do Canal, 14-IX-2019, Corley, Rosete, Nunes and S. Ferreira.

Recent literature

BROWN *et al.* (2019) performed a genetic analysis on a significant number of species of Cochyliina (Tortricidae). The main result of this is break up of the polyphyletic genus *Cochylis* into a number of smaller genera. Details are given below:

Thyralia Walsingham, 1897

nana (Haworth, 1811)

Cochylis epilina remains in genus *Cochylis* for the moment but is not closely related to other *Cochylis sensu stricto* species (of which there are none in Portugal).

Neocochylis Razowski, 1960

hybridella (Hübner, 1813)

salebrana (Mann, 1862)

dubitana (Hübner, 1799)

molliculana (Zeller, 1847)

Cochylichroa Obraztsov & Swatschek, 1958

atricapitana (Stephens, 1852)

Brevicornutia Razowski, 1960

pallidana (Zeller, 1847)

Pontoturanina Obraztsov, 1943

posterana (Zeller, 1847)

CORLEY *et al.* (2020) describe *Mondeguina atlanticella* Corley & Rosete, 2020, a new species of Gelechiidae in a new genus from localities near the coast in Beira Litoral and Algarve. *Apatetris agenjo* is transferred to genus *Catatinagma*.

CORLEY & FERREIRA (2019) place *Cacochroa rosetella* Corley, 2018 in a new genus *Rosetea* Corley & Ferreira.

CORLEY & FERREIRA (2020) justify the resurrection from synonymy of *Cochylimorpha punctiferana* (Ragonot, 1881) already proposed in CORLEY (2015).

GAEDIKE (2019) refers Portuguese records of *Ceratuncus dzhungaricus* to *C. maroccanella* (Amsel, 1951).

HUEMER (2020) has revised the *Caryocolum schleichi* species complex. The taxon occurring in Portugal, *C. schleichi* subspecies *dianthella* (Chrétien, 1925) is restored to species rank.

LAŠTŮVKA & LAŠTŮVKA (2020) add *Bohemannia pulverosella* (Stainton, 1849) to the Portuguese fauna.

MARABUTO *et al.* (2020) study the phylogeography of *Euchloe tagis* in great detail, relating genetic divergence in this species to refugia in the Western Mediterranean area and geological events over more than five million years. There are no resulting taxonomic changes at species or genus level.

ROSETE *et al.* (2019) present a list of records from Constância, many of them new records for Ribatejo province.

SLAMKA (2019) makes several nomenclatural changes in the Phycitinae: *Neurotomia* is synonymised with *Melathrix* Ragonot, 1893, *Moitrelia* is synonymised with *Uncinus* Amsel, 1951 and in genus *Elegia* the species that has been referred until now as *fallax* is synonymised with *atrifasciella*; confusingly *fallax* is the correct name for *fallaximima*.

ZLATKOV & HUEMER (2019) raise *Clepsis eatoniana* (Ragonot, 1881) from synonymy with *C. consimilana* and demonstrate that it is the oldest name for the recently described *C. razowskii* Gastón, Vives & Revilla, 2017.

Appendix: Changes to the Portuguese fauna list

Species added to the Portuguese fauna listed in this and other papers are summarised here, each with a number indicating their placement in the checklist (CORLEY, 2015). New genera for the Portuguese fauna show the author and year of publication of the genus.

Name changes resulting from changes at genus level or to new synonymy are given, with each species retaining its list number. In a case where a new name is provided for a previously misidentified species, the new species retains the number of the misidentified species. Thus, *Ceratuncus maroccanella* (Amsel, 1951) replaces *Ceratuncus dzhungaricus* Zagulajev, 1971, which was previously misidentified, but the species retains the number 0177 in the checklist.

0063.2 *Bohemannia pulverulentella* (Stainton, 1849)

0141 *Phalacropterix graminifera* (Fourcroy, 1785) is deleted

0177 *Ceratuncus maroccanella* (Amsel, 1951) (*Ceratuncus dzhungaricus* sensu auct. nec Zagulajev, 1971)

0294.1 *Phyllonorycter comparella* (Duponchel, 1843)

0378.1 *Apatema apolausticum* Gozmány, 1996

Rosetea Corley & Ferreira, 2019

0579.1 *Rosetea rosetella* (Corley, 2018) (*Cacochroa rosetella* Corley, 2018)

Catatinagma Rebel, 1903

0551 *Catatinagma agenjoi* (Gozmány, 1954) (*Apatetris agenjoi* Gozmány, 1954)

Mondeguina Corley & Rosete, 2020

0551.1 *Mondeguina atlanticella* Corley & Rosete, 2020

0626.1 *Gladiovalva rumicivorella* (Millière, 1881)

0684 *Caryocolum dianthella* (Chrétien, 1925) (*Caryocolum schleichi* ssp. *dianthella* (Chrétien, 1925))

0792.1 *Coleophora currucipennella* Zeller, 1839

0850.1 *Coleophora ribasella* Baldizzzone, 1982

0897.1 *Hypatopa segnella* (Zeller, 1873)

SCHRECKENSTEINIOIDEA

SCHRECKENSTEINIIDAE

Schreckensteinia Hübner, 1825

0967.2 *Schreckensteinia festaliella* (Hübner, 1796)

1006.1 *Clepsis eatoniana* (Ragonot, 1881) (*Clepsis razowskii* Gastón, Vives & Revilla, 2017)

1078.1 *Aethes mauritanica* (Walsingham, 1898)

Thyraylia Walsingham, 1897

- 1085 *Thyralia nana* (Haworth, 1811) (*Cochylis nana* (Haworth, 1811))
Neocochylis Razowski, 1960
1087 *Neocochylis hybridella* (Hübner, 1813) (*Cochylis hybridella* (Hübner, 1813))
1088 *Neocochylis salebrana* (Mann, 1862) (*Cochylis salebrana* (Mann, 1862))
1088.1 *Neocochylis millierana* (Peyerimhoff, 1877)
1089 *Neocochylis dubitana* (Hübner, 1799) (*Cochylis dubitana* (Hübner, 1799))
1090 *Neocochylis molliculana* (Zeller, 1847) (*Cochylis molliculana* (Zeller, 1847))
Cochylichroa Obraztsov & Swatschek, 1958
1091 *Cochylichroa atricapitana* (Stephens, 1852) (*Cochylis atricapitana* (Stephens, 1852))
Brevicornutia Razowski, 1960
1092 *Brevicornutia pallidana* (Zeller, 1847) (*Cochylis pallidana* (Zeller, 1847))
Pontoturania Obraztsov, 1943
1093 *Pontoturania posterana* (Zeller, 1847) (*Cochylis posterana* (Zeller, 1847))
1166.1 *Pseudococcyx friedmariana* Larsen, 2020
1480 *Elegia atrifasciella* Ragonot, 1887 (*Elegia fallax sensu auct. nec* Staudinger, 1881)
1481 *Elegia fallax* (Staudinger, 1881) (*Elegia fallaximima* Nel & Mazel, 2011)
Melathrix Ragonot, 1893
1485 *Melathrix coenulentella* (Zeller, 1846) (*Neurotoma coenulentella* (Zeller, 1846))
Uncinus Amsel, 1951
1486 *Uncinus obductella* (Zeller, 1839) (*Moitrelia obductella* (Zeller, 1839))
1487 *Uncinus hispanella* (Staudinger, 1859) (*Moitrelia hispanella* (Staudinger, 1859))
1662.1 *Catoptria lythargyrella* (Hübner, 1796)
1921.1 *Eupithecia assimilata* Doubleday, 1856
2518.1 *Euxoa nigricans* (Linnaeus, 1761)
Naenia Stephens, 1827
1570.1 *Naenia typica* (Linnaeus, 1758)

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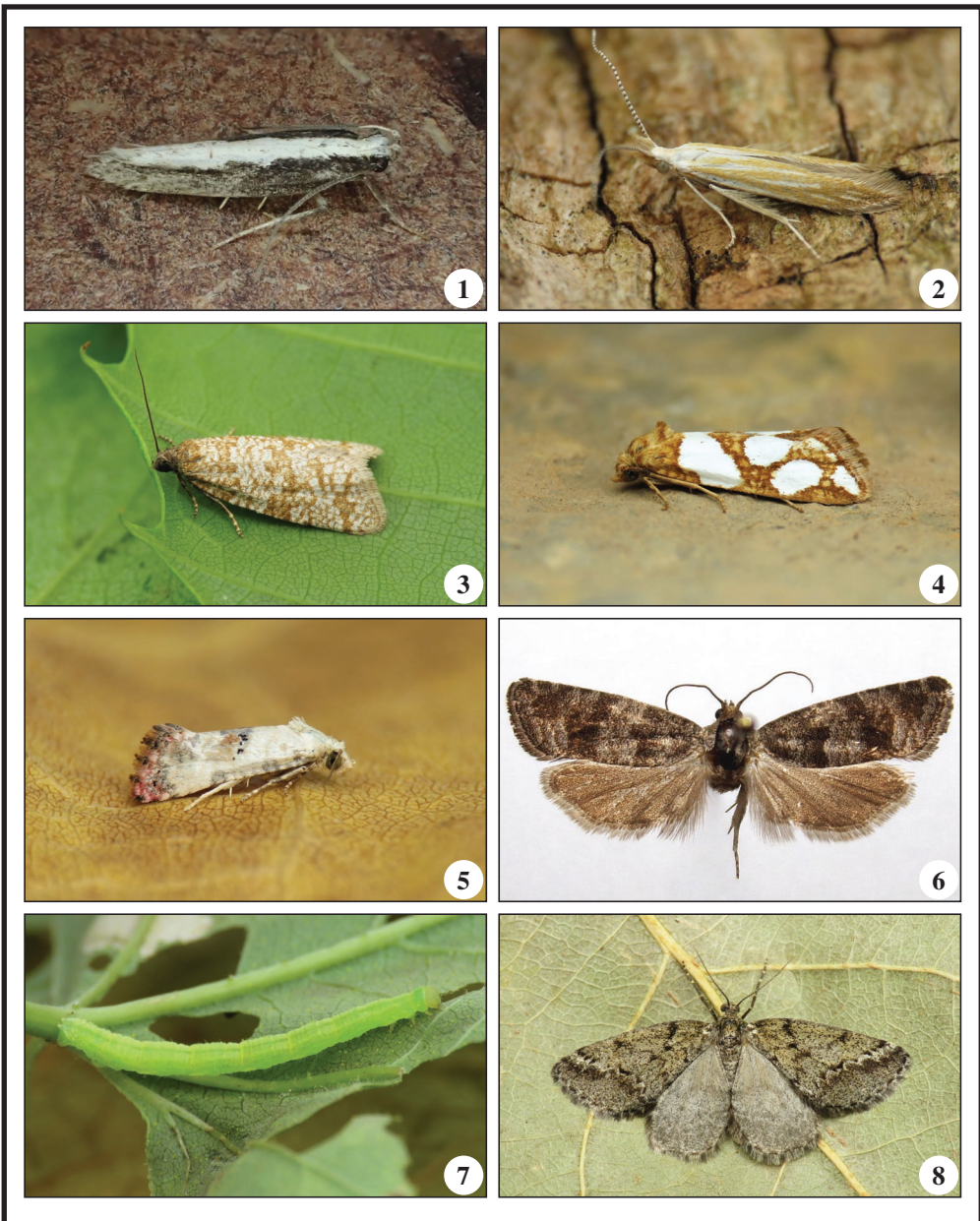
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Figures 1-8.– **1.** *Gladiovalva rumicivorella* (Millière, 1881), Serra de Arga (C. Silva). **2.** *Coleophora currucipennella* Zeller, 1839, Pitões das Júnias (J. Nunes). **3.** *Isotrias penedana* Trematerra, 2013, Serra do Marão (J. Nunes). **4.** *Eugnosta lathoniana* (Hübner, 1800), Guadramil (J. Nunes). **5.** *Neocochyliis millierana* (Peyerimhoff, 1877), Cigadonha, Gestosa (J. Nunes). **6.** *Pseudococcyx friedmariana* Larsen, 2020, Poço (J. Rosete). **7.** *Eupithecia assimilata* Doubleday, 1856, Penelas, Ermida, larva on *Humulus lupulus* L. (J. Nunes). **8.** *Tephronia espaniola* Schawerda, 1931, Cigadonha, Gestosa (J. Nunes).