

# New Data on the Occurrence of Longhorn Beetles (Coleoptera: Cerambycidae) in Albania

Radosław Plewa<sup>1</sup>, Paweł Górski<sup>2</sup>, Tomasz Gazurek<sup>3</sup>, Sebastian Tylkowski<sup>3</sup>, Marcin Szewczyk<sup>4</sup> & Adam Byk<sup>3</sup>

<sup>1</sup>Department of Forest Protection, Forest Research Institute, 3 Braci Leśnej Street, Sękocin Stary, 05-090 Raszyn, Poland; E-mail: r.plewa@ibles.waw.pl

<sup>2</sup>Division of Parasitology, Department of Preclinical Sciences, Faculty of Veterinary Medicine, Warsaw University of Life Sciences – SGGW, 8 Ciszewskiego Street, 02-786 Warsaw, Poland; E-mail: pawel\_gorski@sggw.pl

<sup>3</sup>Department of Forest Protection and Ecology, Faculty of Forest, Warsaw University of Life Sciences – SGGW, 159 Nowoursynowska Street, 02-776 Warsaw, Poland; E-mails: adam\_byk@sggw.pl, tomasz\_gazurek@sggw.pl, sebastian\_tylkowski@sggw.pl

<sup>4</sup>10/18 Hubalczyków Street, 09-409 Płock, Poland; E-mail: mcer@op.pl

**Abstract:** The study on the Albanian longhorn beetles, performed between 22 May and 7 June 2016, have resulted in finding 51 species or 24.5% of the currently known from the country 208 longhorn beetles. Three species have never before been recorded from Albania: *Stenopterus atricornis* Pic, *Oberea (Amaurostoma) taygetana* Pic and *Phytoecia (Pilemia) angusterufonotata* Pic. The latter two were hitherto considered endemic for Greece. The warranty of inclusion of some further species of Cerambycidae in the Albanian Red List has been suggested in the discussion.

**Key words:** Coleoptera, Cerambycidae, occurrence, new records, IUCN Red List, Albania

## Introduction

The fauna of Albanian longhorn beetles is relatively well known. In one of the earlier publications (HEYROVSKÝ 1967), 155 species have been listed. The next comprehensive work (RAPUZZI & SAMA 2012) mentioned 32 species from the country. In the last years, the study on this family has been intensified, with records of several new species for the country: nine in 2014 (KOVÁCS et al. 2014, SIERING 2014, SIERING & BEIER 2014), ten in 2015 (KOVÁCS 2015, SIERING & SHUMKA 2015, SIERING et al. 2015) and two in 2016 (SIERING et al. 2016). Therefore, the Albanian cerambycid fauna is currently known to include 205 species. Besides studies on the distribution, some taxonomical suggestions have been published, e.g. the inclusion of the endemic *Dorcadion albanicum* Heyrovský, 1934 as a subspecies of *Dorcadion veluchense* Pic, 1903 (PESARINI & SABBADINI 2013).

The present article provides supplementary information on the diversity and distribution of Albanian Cerambycidae.

## Materials and Methods

Field work was performed between 22 May and 7 June 2016. The beetles were looked for on flowers and leaves of herbaceous plants; on flowers, leaves and branches of low trees; on trunks of living and dead trees on the ground. Additional collecting of some species from herbaceous plants was done by sweep-netting.

The following abbreviations have been used for the collector names: Adam Byk [AB], Tomasz Gazurek [TG] and Sebastian Tylkowski [ST]. The remaining authors have determined or verified the identification of the beetles. The collected specimens are preserved in the private collections of the authors.

Nomenclature follows the Catalogue of Palaearctic Coleoptera (CPC) (LÖBL & SMETANA 2010) and newer publication by DANILEVSKY (2017), summarising the taxonomic changes introduced after the appearance of CPC.

The Red List of Albanian Beetles (STRINIQAŁEJ et al. 2011) uses the following threat categories: CR

– Critically Endangered, EN – Endangered, VU – Vulnerable, LR – Near Threatened category.

## Results

Our studies have resulted in finding of 51 cerambycid species of four subfamilies: Lepturinae (13 species), Spondylidinae (1), Cerambycinae (18) and Lamiinae (19). Three species represent new records for Albania.

### Subfamily Lepturinae

*Anastrangalia dubia dubia* (Scopoli, 1763) – 1 ex.: County Vlorë: Llogara National Park, 820 m a.s.l., 26-27.05.2016, leg. AB et ST; 3 exx.: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 3.06.2016, leg. AB et ST and this same place, 7 exx., leg. TG; 1 ex.: County Shkodër: Teth at Bogë, 950 m a.s.l., 3.06.2016, leg. AB et ST.

*Anastrangalia sanguinolenta* (Linnaeus, 1760) – 1 ex.: County Shkodër: Theth at Bogë, 780 m a.s.l., 3.06.2016, leg. AB et ST.

*Etorofus* (s. str.) *pubescens* (Fabricius, 1787) – 1 ex.: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 2.06.2016, leg. TG.

*Gnathacmaeops pratensis* (Laicharting, 1784) – 2 exx.: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 2.06.2016, leg. TG. Rather rare species, only recently recorded from Albania (RAPUZZI & SAMA 2012).

*Pachytodes erraticus erraticus* (Dalman, 1817) – 1 ex.: County Elbasan: Hotolisht at Librazhd, 290 m a.s.l., 29-30.05.2016, leg. TG.

*Pedostrangalia (Neosphenalia) verticalis* (Germar, 1822) – 1 ex.: County Korçë: Gozhdarzhde, 990 m a.s.l., 23.05.2016, leg. AB et ST.

*Pseudovadonia livida livida* (Fabricius, 1777) – 2 exx.: County Vlorë: Ksamil at Sarandë, 70 m a.s.l., 25.05.2016, leg. AB et ST; 4 exx.: County Elbasan: Hotolisht at Librazhd, 290 m a.s.l., 29-30.05.2016, leg. AB et ST.

*Stenurella (Priscostenurella) bifasciata intermedia* Holzschuh, 2006 – 1 ex.: County Gjirokaster: Benjë at Përmet, 280 m a.s.l., 24.05.2016, leg. AB et ST; 2 exx.: County Fier: Divjaka at Lushnja, 0 m a.s.l., 29.05.2016, leg. AB et ST.

*Stenurella (P.) septempunctata septempunctata* (Fabricius, 1793) – 1 ex.: County Gjirokaster: Lëshicë at Përmet, 450 m a.s.l., 24.05.2016, leg. AB et ST; 1 ex.: County Vlorë: Ksamil at Sarandë, 70 m a.s.l., 25.05.2016, leg. AB et ST.

*Stictoleptura (Melanoleptura) scutellata scutellata* (Fabricius, 1781) – 1 ex.: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 3.06.2016, leg. AB et ST.

*Stictoleptura (Paracorymbia) fulva* (De Geer, 1775) – 1 ex.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. TG.

*Stictoleptura (Stictoleptura) cordigera illyrica* (G. Müller, 1948) – 1 ex.: County Vlorë: Porto Palermo at Himarë, 70 m a.s.l., 26.05.2016, leg. TG; 1 ex.: County Shkodër: Bërdicë at Trush, 30 m a.s.l., 6.06.2016, leg. AB et ST.

*Vadonia grandicollis grandicollis* Mulsant et Rey, 1863 – 7 exx.: County Vlorë: Muzinë at Delvinë, 1000 m a.s.l., 25.05.2016, leg. TG. The species has been recorded from Albania only recently (SIERING 2014).

### Subfamily Spondylidinae

*Asemum striatum* (Linnaeus, 1758) – 1 ex.: County

Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 3.06.2016, leg. AB et ST.

### Subfamily Cerambycinae

*Anaglyptus* (s. str.) *mysticus* (Linnaeus, 1758) – 3 exx., County Dibrë: Fushë Studë at Steblevë, 1100 m a.s.l., 29.05.2016, leg. AB et ST; 7 exx.: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 3.06.2016, leg. AB et ST and this same place, 3 exx., leg. TG; 4 exx.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. AB et ST.

*Callimus* (s. str.) *angulatus angulatus* (Schrank, 1789) – 2 exx.: County Vlorë: Llogara National Park, 820 m a.s.l., 26-27.05.2016, leg. TG.

*Cerambyx (Microcerambyx) scopoli scopoli* Fuessly, 1775 – 2 exx.: County Korçë: Barmash at Ersekë, 820 m a.s.l., 23.05.2016, leg. AB et ST; 3 exx.: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 3.06.2016, leg. AB et ST and this same place, 2 exx., leg. TG.

*Chlorophorus (Crassofasciatus) hungaricus* Seidlitz, 1891 – 2 exx.: County Elbasan: Hotolisht at Librazhd, 290 m a.s.l., 29-30.05.2016, leg. TG.

*Chlorophorus (Humeromaculatus) figuratus* (Scopoli, 1763) – 1 ex.: County Gjirokaster: Benjë at Përmet, 280 m a.s.l., 24.05.2016, leg. AB et ST; 1 ex.: County Fier: Divjaka at Lushnja, 0 m a.s.l., 29.05.2016, leg. AB et ST; 2 exx.: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 2.06.2016, leg. TG; 1 ex.: County Shkodër: Oblikë at Zus, 0 m a.s.l., 5.06.2016, leg. AB et ST.

*Chlorophorus (Immaculatus) varius varius* (O.F. Müller, 1766) – 1 ex.: County Elbasan: Hotolisht at Librazhd, 290 m a.s.l., 29-30.05.2016, leg. AB et ST.

*Chlorophorus (Perderomaculatus) sartor* (Müller, 1766) – 7 exx.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. TG.

*Clytus* (s. str.) *arietis arietis* (Linnaeus, 1758) – 2 exx.: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 2.06.2016, leg. TG.

*Clytus* (s. str.) *rhamni rhamni* Germar, 1817 – 3 exx.: County Gjirokaster: Benjë at Përmet, 280 m a.s.l., 24.05.2016, leg. AB et ST; 10 exx.: County Vlorë: Akerni at Zvërnec, 0 m a.s.l., 28.05.2016, leg. AB et ST; 3 exx.: County Elbasan: Hotolisht at Librazhd, 290 m a.s.l., 29-30.05.2016, leg. AB et ST; 5 exx.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. AB et ST and this same place, 7 exx., leg. TG.

*Echinocerus floralis* (Pallas, 1773) – 1 ex.: County Gjirokaster: Petran at Përmet, 320 m a.s.l., 24.05.2016, leg. AB et ST; 12 exx.: County Fier: Divjaka at Lushnja, 0 m a.s.l., 29.06.2016, leg. AB et ST; 1 ex.: County Elbasan: Hotolisht at Librazhd, 290 m a.s.l., 29-30.05.2016, leg. TG.

*Purpuricenus budensis* (Goeze, 1783) – 1 ex.: County Vlorë: Llogara, Mts Çikës, 1200 m a.s.l., 26-28.05.2016, leg. TG; 1 ex.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. TG.

*Purpuricenus kaehleri kaehleri* (Linnaeus, 1758) – 1 ex.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. AB et ST. Included in the Albanian Red List (ALBANIAN... 2013).

*Ropalopus* (s. str.) *clavipes* (Fabricius, 1775) – 1 ex.: County Gjirokaster: Benjë at Përmet, 280 m a.s.l., 24.05.2016, leg. AB et ST; 1 ex.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. AB et ST and this same place, 1 ex., leg. TG.

*Stenomalus (Obriopsis) bicolor* (Kraatz, 1862) – 1 ex.: County Korçë: Radanj at Gërmenj, 1060 m a.s.l., 23.05.2016, leg. TG. Only recently recorded from Albania (RAPUZZI & SAMA

2012).

*Stenopterus rufus geniculatus* Kraatz, 1863 – 3 exx.: County Korçë: Gozhdarazhde at Gërmenj, 990 m a.s.l., 23.05.2016, leg. AB et ST; 1 ex.: County Gjirokaster: Benjë at Përmet, 280 m a.s.l., 24.05.2016, leg. AB et ST; 2 exx.: County Vlorë: Llogara, Mts Çikës, 1200 m a.s.l., 25-26.05.2016, leg. AB et ST; 1 ex.: County Vlorë: Akerni at Zvërnec, 0 m a.s.l., 28.05.2016, leg. AB et ST and this same place, 1 ex., leg. TG; 12 exx., Albania: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 2.06.2016, leg. AB et ST, and this same place, 1 ex., leg. TG; 2 exx.: County Shkodër: Bërdicë at Trush, 30 m a.s.l., 6.06.2016, leg. AB et ST; 5 exx.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. AB et ST and this same place, 8 exx., leg. TG.

*Stenopterus atricornis* Pic, 1891 – 1 ex.: County Korçë: Gozhdarazhde at Gërmenj, 990 m a.s.l., 23.05.2016, leg. AB et ST. New for Albania. Previously known Europe only from Greece (both from the Peloponnesos and continental part: SLÁMA & SLÁMOVÁ 1996, PLEWA et al. 2011, DASCĂLU et al. 2012). It has been recorded also from Turkey, Lebanon and Syria (ADLBAUER 1988, SAMA 1995, TURGUT & ÖZDIKMEŇ 2010, ALI & RAPUZZI 2016). It has been placed on the Red List of European Saproxylic Beetles as VU – Vulnerable (NIETO & ALEXANDER 2010). In Albania the species has been collected on flowers, found together with specimens of the related *S. rufus geniculatus*. The record from Albania shifts the distribution limit of *S. atricornis* markedly northwards.

*Stenopterus flavicornis* Küster, 1846 – 1 ex.: County Vlorë: Akerni at Zvërnec, 0 m a.s.l., 28.05.2016, leg. AB et ST.

*Xylotrechus (s. str.) arvicola arvicola* (Olivier, 1795) – 1 ex.: County Elbasan: Mirakë at Librazhd, 200 m a.s.l., 29.05.2016, leg. TG; 2 exx.: County Elbasan: Hotolisht at Librazhd, 290 m a.s.l., 29-30.05.2016, leg. AB et ST; 1 ex.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. TG.

### Subfamily Lamiinae

*Agapanthia (s. str.) cardui* (Linnaeus, 1767) – 1 ex.: County Korçë: Gozhdarazhde at Gërmenj, 990 m a.s.l., 23.05.2016, leg. TG; 1 ex.: County Shkodër: Bërdicë at Trush, 30 m a.s.l., 6.06.2016, leg. TG.

*Agapanthia (Epopetes) cynarae* (Germar, 1817) – 2 exx.: County Gjirokaster: Lëshicë at Përmet, 450 m a.s.l., 24.05.2016, leg. AB et ST; 3 exx.: County Elbasan: Mirakë at Librazhd, 200 m a.s.l., 29.05.2016, leg. AB et ST; 1 ex.: County Elbasan: Hotolisht at Librazhd, 290 m a.s.l., 29-30.05.2016, leg. TG; 1 ex.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. AB et ST and this same place, 5 exx., leg. TG.

*Agapanthia (Smaragdula) violacea* (Fabricius, 1775) – 1 ex.: County Korçë: Barmash at Ersekë, 820 m a.s.l., 23.05.2016, leg. TG; 2 exx.: County Elbasan: Hotolisht at Librazhd, 290 m a.s.l., 29-30.05.2016, leg. TG.

*Calamobius filum* (Rossi, 1790) – 1 ex.: County Shkodër: Oblikë at Zus, 0 m a.s.l., 5.06.2016, leg. TG.

*Dorcadion (Carinatodorcadion) maderi* Breit, 1923 – 12 exx.: County Dibrë: Fushë Studë at Steblevë, 1100 m a.s.l., 29.05.2016, leg. AB et ST and this same place, 17 exx., leg. TG, det. P. Rapuzzi. The last Albanian record of this endemic species dates from 50 years ago. (HEYROVSKÝ 1967).

*Dorcadion (Cribridorcadion) etruscum* (Rossi, 1790) – 10 exx.: County Korçë: Radanj at Gërmenj, 1060 m a.s.l., 23.05.2016, leg. AB et ST and this same place, 18 exx., leg. TG; 2 exx.: County Vlorë: Llogara, Mts Çikës, 1200 m a.s.l., 27.05.2016, leg. AB et ST and this same place, 1 ex., leg. TG, det. P. Rapuzzi. According to the Catalogue of Palaearctic Coleoptera (LÖBL & SMETANA 2010) and DANILEVSKY (2017)

this species was known only from Italy, whereas RAPUZZI & SAMA (2012) considered the area of *D. etruscum* as wider, including also e.g. western Greece, Korfu and western Albania. The disparate information from various sources requires careful revision, as well of the distribution as of systematic placement of all taxa of this group.

*Dorcadion (Cribridorcadion) lineatocolle* (Kraatz, 1873) – 1 ex.: County Korçë: Radanj at Gërmenj, 1060 m a.s.l., 23.05.2016, leg. AB et ST. Only recently reported from Albania (KOVÁCS et al. 2014).

*Dorcadion (Cribridorcadion) pedestre pedestre* (Poda, 1761) – 1 ex.: County Kukës: Gjegjan at Bardhoc, 490 m a.s.l., 31.05.2016, leg. TG.

*Herophila tristis tristis* (Linnaeus, 1767) – 1 ex.: County Korçë: Kamnik at Ersekë, 960 m a.s.l., 23.05.2016, leg. TG; 1 ex.: County Gjirokaster: Badëlonjë at Përmet, 240 m a.s.l., 24.05.2016, leg. TG.

*Lamia textor* (Linnaeus, 1758) – 1 ex.: County Vlorë: Akerni at Zvërnec, 0 m a.s.l., 28.05.2016, leg. TG.

*Leiopus linnei* Wallin, Nylander et Kvamme, 2009 – 1 ex.: County Korçë: Radanj at Gërmenj, 1060 m a.s.l., 23.05.2016, leg. TG. The species only recently recorded from Albania (SIERING 2014, SIERING & SHUMKA 2015).

*Morimus asper asper* (Sulzer, 1776) – 1 ex.: County Korçë: Gërmenj at Leskovik, 1060 m a.s.l., 22-23.05.2016, leg. TG; 5 exx.: County Dibrë: Fushë Studë at Steblevë, 1100 m a.s.l., 29.05.2016, leg. AB et ST and this same place, 4 exx., leg. TG; 3 exx.: County Shkodër: Qafe Malit at Fushë-Arrëz, 950 m a.s.l., 3.06.2016 leg. AB et ST; 4 exx.: County Shkodër: Hani i Hotit at Ivanaj, 15 m a.s.l., 7.06.2016, leg. AB et ST. Albanian specimens of this subspecies (even when collected in the same locality: Fushë Studë at Steblevë, Qafe Malit at Fushë-Arrëz) show wide morphological variability, some of them with characters intermediate between *M. asper asper* a *M. a. funereus* Muls. This has been observed also by RAPUZZI & SAMA (2012), who point out to their distributional border in Albania.

*Neodorcadion bilineatum* (Germar, 1824) – 1 ex.: County Korçë: Radanj at Gërmenj, 1060 m a.s.l., 23.05.2016, leg. AB et ST and this same place, 4 exx., leg. TG.

*Oberea (Amaurostoma) taygetana* Pic, 1901 – 30 exx.: County Vlorë: Porto Palermo at Himarë, 70 m a.s.l., 26.05.2016, leg. AB et ST and this same place, 21 exx., leg. TG. New for Albania. Hitherto known as endemic for Greece (the Peloponnesos, as well as the continental part – SLÁMA & SLÁMOVÁ 1996; PLEWA et al. 2011). Develops in various species of *Euphorbia* L. In Albania imagines have been found on leaves and stems of *Euphorbia characias* subsp. *wulfenii* (Hoppe ex W.D.J. Koch) Radcl.-Sm. (det. M. Graniszewska).

*Phytoecia (Musaria) affinis affinis* (Harrer, 1784) – 1 ex.: County Kukës: Gjegjan at Bardhoc, 490 m a.s.l., 31.05.2016, leg. AB et ST.

*Phytoecia (Opsilia) coeruleascens coeruleascens* (Scopoli, 1763) – 2 exx.: County Korçë: Pustec at Diellas, 850 m a.s.l., 22.05.2016, leg. AB et ST; 3 exx.: County Korçë: Gozhdarazhde at Gërmenj, 990 m a.s.l., 23.05.2016, leg. AB et ST; 1 ex.: County Vlorë: Akerni at Zvërnec, 0 m a.s.l., 28.05.2016, leg. AB et ST.

*Phytoecia (s. str.) ictérica* (Schaller, 1783) – 1 ex.: County Korçë: Gozhdarazhde at Gërmenj, 990 m a.s.l., 23.05.2016, leg. TG. Only recently recorded from Albania (SIERING et al. 2015).

*Phytoecia (s. str.) virgula* (Charpentier, 1825) – 1 ex.: County Korçë: Gozhdarazhde at Gërmenj, 990 m a.s.l., 23.05.2016, leg. AB et ST.

*Phytoecia (Pilemia) angusterufonotata* Pic, 1952 – 1 ex.: County Gjirokaster: Benjë at Përmet, 280 m a.s.l., 24.05.2016, leg. AB et ST. New to Albania. Hitherto considered to occur only

on the Peloponnesos (HOLZSCHUH 1984, PLEWA et al. 2011). Our record from Albania proves its wider distribution on the Balkan Peninsula. Oligophagous species associated with plants of the genus *Anchusa* L. (Boraginaceae).

## Discussion

The intensification of studies has resulted in the discovery of more than 50 species of longhorn beetles new to Albania. We have found 24.5% of those currently recorded and additionally three new to the country. Thus, the number of known Albanian species presently amounts to 208. To compare with some neighbouring areas, in Macedonia 171 cerambycid species have been found so far (PLEWA et al. 2015), in Serbia – 265 (ILIĆ & ĆURČIĆ 2015), while in Greece – more than 400 species (DASCĂLU et al. 2012). Two of the newly discovered species, *O. (A.) taygetana* Pic and *Ph. (P.) angusterufonotata*, were considered as endemic to Greece: their occurrence in Albania points to wider natural distribution than the previously supposed.

The Red List of Albanian Beetles includes five cerambycid species in various threat categories: *Cerambyx cerdo* L. (EN), *Aromia moschata* (L.) (VU), *Rosalia alpina* (L.) (CR), *Purpuricenus kaehleri kaehleri* (L.) (VU) and *Morimus asper funereus* Muls. (LR, nt) (STRINIQAÇEJ et al. 2011, ALBANIAN... 2013). Our studies confirmed the occurrence of one of them, *P. kaehleri kaehleri*. All of the abovementioned taxa deserve the attributed status, the more so that most of them have been placed on the European Red List of Saproxyllic Beetles (NIETO & ALEXANDER 2010) or on the list of species considered primaevial forest relicts in Central European countries (MÜLLER et al. 2005). One of these species is *A. moschata*, widely distributed in Europe and in a part of Asia. In the past, in times of increased interest in fast growing trees, it was considered a dangerous pest of willow plantations (STROJNY 1960).

The actual state of the knowledge suggests placement of further species on the Red List. *Tragosoma depsarium* (L.), only recently (FOIT 2007) recorded from Albania, is generally known to be very rare but locally occurs throughout its distributional area, preferring seminatural habitats with sufficient quantity of accumulated dead coniferous wood and may serve as an example for such species. Several other Albanian longhorn beetles, *Leptorhabdium illyricum* (Kraatz, 1870), *Stictoleptura cordigera illyrica* (Müller, 1948), *Saphanus piceus ganglbaueri* Brancsik, 1886 or *Ropalopus ungaricus* (Herbst, 1784), also warrant consideration for being recognised as important from conservational point of view.

**Acknowledgments:** Let us express our sincere gratitude to Pierpaolo Rapuzzi for his help in the identification of the species of the genus *Dorcadion* Dalm. We thank for help in identification for the *Euphorbia characias* subsp. *wulfenii* to Maja Graniszewska and Artur Obidziński.

## References

- ADLBAUER K. 1988. Neues zur Taxonomie und Faunistik der Bockkäferfauna der Türkei (Coleoptera, Cerambycidae). Entomofauna 9 (12): 257–297.
- ALBANIAN RED LIST OF THREATENED SPECIES 2013. Urdhër Nr. 1280, 20.11.2013: Për miratimin e listës së kuqe të florës dhe faunës. Ministria e Mjedisit. Nr. 8467 Prot., 38 pp.
- ALI K. & RAPUZZI P. 2016. Second contribution to the knowledge of Longhorn Beetles of the Syrian Coastal Region (Coleoptera Cerambycidae). Biodiversity Journal 7 (2): 261–272.
- DANILEVSKY M. L. 2017. Catalogue of Palaearctic Cerambycoidea. <http://www.cerambycoidea.net>. Updated: 10.12.2017.
- DASCĂLU M.-M., SAMA G. & RAMEL G. 2012. Report on the Cerambycidae species from the Lake Kerkin National Park, northern Greece. Analele Stiintifice ale Universității „Alexandru Ioan Cuza” din Iasi, s. Biologie animală 58: 65–76.
- FOIT J. 2007. A species of longhorn beetle (Coleoptera: Cerambycidae) new to the Albanian fauna – new record of *Tragosoma depsarium* (L.). Acta entomologica serbica 12 (1): 87–89.
- HEYROVSKÝ L. 1967. Ergebnisse der Albanien-Expedition 1961 des Deutschen Entomologischen Institutes. 71. Beitrag. Coleoptera: Cerambycidae. Beiträge zur Entomologie 17 (3/4): 573–621.
- HOLZSCHUH C. 1984. Beschreibung neuen Arten aus der unmittelbaren verwandtschaft von *Phytoecia (Pilemia) tigrina* (Cerambycidae, Col.). Koleopterologische Rundschau 57: 167–175.
- ILIĆ N. & ĆURČIĆ S. 2015. A checklist of longhorn beetles (Coleoptera: Cerambycidae) of Serbia. Zootaxa 4026 (1): 001–097.
- KOVÁCS T. 2015. Three longhorn beetles new to the fauna of Albania (Coleoptera: Cerambycidae). Folia Historico-Naturalia Musei Matraensis 39: 53–54.
- KOVÁCS T., NÉMETH T. & MERKL O. 2014. Beetles new to Albania and Macedonia (Coleoptera: Elateridae, Cleridae, Endomychidae, Tenebrionidae, Cerambycidae). Folia Historico-Naturalia Musei Matraensis 38: 83–86.
- MÜLLER J., BUSSLER H., BENSE U., BRUSTEL H., FLECHTNER G., FOWLES A., KAHLEN A., KAHLEN M., MÖLLER G., MÜHLE H., SCHMIDL J. & ZABRANSKY P. 2005. Urwald relict species – Saproxyllic beetles indicating structural qualities and habitat tradition. Waldoekologie online 2: 106–113.
- NIETO A. & ALEXANDER K. N. A. 2010. European Red List of Saproxyllic Beetles. Publication Office of the European Union, Luxembourg. Viii + 45 p.
- PESARINI C. & SABBADINI A. 2013. Nuovi *Dorcadion* di Grecia e di Turchia (Coleoptera Cerambycidae). Il Naturalista Valtellinese, Atti Museo civ. Storia naturale Morbegno 24: 33–44.
- PLEWA R., ŁOŚ K. & GÓRSKI P. 2011. Nowe dane o rozmieszczeniu, biologii i behawiorze gatunków z rodziny kózkowatych (Coleoptera, Cerambycidae) z Grecji. Elateridarium 5: 232–247.
- PLEWA R., MARCZAK D., BOROWSKI J., MOKRZYCKI T., JAKUBOWS-

- KI M. & GÓRSKI P. 2015. New data on the occurrence of longhorn beetles (Coleoptera: Cerambycidae) in the Republic of Macedonia. *Acta zoologica bulgarica* 67 (1): 43–50.
- RAPUZZI P. & SAMA G. 2012. Contributo alla conoscenza dei Cerambycidae di Albania (Coleoptera, Cerambycidae). *Atti del Museo Civico di Storia Naturale di Trieste*, 55: 181–234.
- SAMA G. 1995. Studi sugli Stenopterini. Il genere *Stenopterus* Illiger, 1804 (Coleoptera, Cerambycidae). *Bulletin de la Société entomologique de France* 100 (4): 385–410.
- SIERING G. 2014. Zur Kenntnis der Bockkäfer-Fauna des Prespa-Nationalparks in Albanien (Coleoptera, Cerambycidae). *Entomologische Blätter und Coleoptera* 110: 71–80.
- SIERING G. & BEIER W. 2014. Bockkäfer-Beobachtungen in Albanien (Coleoptera, Cerambycidae). *Entomologische Nachrichten und Berichte* 58 (3): 251–255.
- SIERING G. & SHUMKA S. 2015. Die Bockkäfer-Fauna (Coleoptera, Cerambycidae) des Shkumbin-Tales und weiterer Gebiete bei Librazhd (Albanien). *Entomologische Blätter und Coleoptera* 111: 459–463.
- SIERING G., FREMUTH W. & HIENEMANN K. 2015. Die Bockkäfer-Fauna (Coleoptera, Cerambycidae) des Prespa-Nationalparks in Albanien. *Entomologische Blätter und Coleoptera* 111: 43–56.
- SIERING G., SHUMKA S. & ROTHE U. 2016. Beitrag zur Kenntnis der Bockkäfer-Fauna Albaniens (Coleoptera, Cerambycidae). *Entomologische Blätter und Coleoptera* 112 (2): 41–50.
- SLÁMA M. & SLÁMOVÁ J. 1996. Contribution to the recognition of Greek and Yugoslavian longicorn beetles (Coleoptera, Cerambycidae). *Biocosme Méditerranéenne, Nice*, 1995, 12 (4): 117–143.
- STRINIQAÇEJ A., MISJA K. & MEDJA N. 2011. Some endangered Coleoptera species of Albania. *Natura Montenegrina* 10 (2): 93–100.
- STROJNY W. 1960. Szkodniki drewna drzew szybko przyrastających. Część V. Wonnica piżmówka – *Aromia moschata* (L.) (Col., Cerambycidae). *Polskie Pismo Entomologiczne* 12 (1-2), (17-18): 75–95 + 13 tab.
- TURGUT S. & ÖZDIKMEN H. 2010. New data for Turkish longhorned beetles fauna from Southern Turkey (Coleoptera: Cerambycidae). *Munis Entomology & Zoology* 5 (suppl.): 859–889.

Received: 24.05.2017

Accepted: 14.11.2017

