

First records of beetles (Insecta: Coleoptera) for the fauna of Bulgaria from the Belasitsa Mountain

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Abstract. *Catops kirbyi* (Leiodidae), *Benibotarus taygetanus* (Lycidae), *Lymexylon navale* (Lymexylidae), *Symbiotes gibberosus* (Endomychidae), *Hypulus bifasciatus* (Melandryidae), *Bolitophagus interruptus* and *Mycetochara humeralis* (Tenebrionidae), three genera (*Benibotarus*, *Lymexylon*, and *Symbiotes*), and subfamily Lymexylinae are reported for the first time from Bulgaria.

Key words: Coleoptera, new records, Bulgaria

Introduction

Identifying material of Coleoptera in order to assess the local biodiversity of the Belasitsa Mountain for two research projects, I found taxa which till now were unrecorded for the fauna of Bulgaria. As the new findings could improve our knowledge on a regional scale, I would like to announce these data.

Material and methods

Localities P2 - P13 are situated south of the Petrich Town, between the Luda Mara River in the east and road Petrich Town – Kongura Chalet in the west. Locality P1 is situated in the Podgorie Area, below the Samuilovo Village, on the left side of the small river of Kolarovska. Data about the GPS coordinates, altitudes and habitats of each locality are represented in Table 1. All the material in P2 – P13 was collected in pitfall traps. The specimens in P1 were caught by hand collecting.

All the material examined is housed in the entomological collection of the National Museum of Natural History, Sofia.

List of species

Leiodidae

Catops kirbyi (Spence, 1815)

Material studied. P3 (17.V-3.VII.2010, 1 specimen); P6 (17.V-3.VII.2010, 1 specimen).
Notes. New species for the fauna of Bulgaria.

Lycidae

Benibotarus taygetanus (Pic, 1905)

Material studied. P11 (24.VIII-6.X.2010, 1 specimen); P13 (5.VII-25.VIII.2010, 2 specimens).

Notes. First findings of the species and genus *Benibotarus* Kôno, 1932 from Bulgaria.

Lymexylidae

Lymexylon navale (Linnaeus, 1758)

Material studied. P6 (17.V-3.VII.2010, 1 specimen).

Notes. First findings of the species, genus *Lymexylon* Fabricius, 1775, and subfamily Lymexylinae Fleming, 1821 from Bulgaria.

Endomychidae

Symbiotes gibberosus (Lucas, 1846)

Material studied. P12 (5.VII-25.VIII.2010, 1 specimen).

Notes. First report of *Symbiotes* L. Redtenbacher, 1849 and *S. gibberosus* from Bulgaria.

Melandryidae

Hypulus bifasciatus (Fabricius, 1792)

Material studied. P2 (18.V-4.VII.2010, 1 specimen); P3 (26.III-17.V.2010, 3 specimens); P4 (18.V-4.VII.2010, 1 specimen); P5 (26.III-17.V.2010, 6 specimens / 17.V-3.VII.2010, 2 specimens); P6 (26.III-17.V.2010, 1 specimen); P7 (29.III-19.V.2010, 1 specimen); P8 (27.III-18.V.2010, 1 specimen); P9 (27.III-18.V.2010, 2 specimens); P10 (27.III-18.V.2010, 3 specimens); P12 (29.III-19.V.2010, 1 specimen / 19.V-5.VII.2010, 1 specimen).

Notes. New species for the fauna of Bulgaria. In contrast to all other species in this list, *H. bifasciatus* seems to be a not infrequent species.

Tenebrionidae

Bolitophagus interruptus Illiger, 1800

Material studied. P1 (on *Polyporus* sp. attached on plane-tree trunk, 9.VIII.2009, 16 specimens).

Notes. New species for the fauna of Bulgaria.

Mycetochara humeralis (Fabricius, 1787)

Material studied. P2 (18.V-4.VII.2010, 1 specimen); P10 (18.V-4.VII.2010, 1 specimen).

Notes. New species for the fauna of Bulgaria.

Table 1.
Data about GPS coordinates, altitudes and habitats of the localities.

| Points | GPS coordinates | altitude | Habitat |
|--------|-----------------------|----------|---|
| P1 | 41.37966N, 23.10316E | 340 m | fragmentary old riverside forest of <i>Platanus orientalis</i> L. |
| P2 | 41.36326N, 23.201251E | 800 m | forest of <i>Castanea sativa</i> Mill. |
| P3 | 41.36561N, 23.204102E | 600 m | forest of <i>Castanea sativa</i> Mill. |
| P4 | 41.36775N, 23.200989E | 700 m | forest of <i>Castanea sativa</i> Mill. |
| P5 | 41.37225N, 23.200727E | 600 m | forest of <i>Castanea sativa</i> Mill. |
| P6 | 41.37459N, 23.203579E | 500 m | forest of <i>Castanea sativa</i> Mill. |
| P7 | 41.36356N, 23.210198E | 800 m | forest of <i>Castanea sativa</i> Mill. |
| P8 | 41.35437N, 23.204756E | 750 m | forest of <i>Castanea sativa</i> Mill. |
| P9 | 41.35203N, 23.201905E | 800 m | forest of <i>Castanea sativa</i> Mill. |
| P10 | 41.35212N, 23.204887E | 800 m | forest of <i>Castanea sativa</i> Mill. |
| P11 | 41.35672N, 23.207607E | 750 m | forest of <i>Castanea sativa</i> Mill. |
| P12 | 41.36131N, 23.210329E | 800 m | forest of <i>Castanea sativa</i> Mill. |
| P13 | 41.37245N, 23.206693E | 500 m | forest of <i>Castanea sativa</i> Mill. |

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**Първи находки на твърдокрили насекоми (Insecta: Coleoptera)
за фауната на България от Беласица планина**

Борислав ГЕОРГИЕВ

(Резюме)

Съобщават се седем нови вида от Coleoptera за фауната на България от Беласица планина: *Catops kirbyi* (Leiodidae), *Benibotarus taygetanus* (Lycidae), *Lymexylon navale* (Lymexylidae), *Symbiotes gibberosus* (Endomychidae), *Hypulus bifasciatus* (Melandryidae), *Bolitophagus interruptus* и *Mycetochara humeralis* (Tenebrionidae). Нови таксони за фауната на страната са също и родове *Benibotarus*, *Lymexylon* и *Symbiotes*, както и подсемейство Lymexylineae.