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Errata: A contribution to the study of ground beetles (Coleoptera: Carabidae) in the Western Rhodope Mts. (Bulgaria), published in J. BioSci. Biotech. 2017, 6(3): 203-209

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Errata info:

Received: 14 May 2019

Accepted: 21 May 2019

ABSTRACT

This is the check list of the ground beetles (Coleoptera: Carabidae) captured in different localities in the Western Rhodope Mts. in the period 2014 – 2017. A total of 133 species were found, including 16 endemic (12% of all), 5 relicts and 10 new for the studied area species. Genera *Badister* and *Tachys* were reported for the first time from the Western Rhodopes. The faunistic contribution was made for a region researched in detail for the last in 2006. The results proved the predominantly mesophilous nature of the habitats due to the large percentage of forest territories. The life forms of the carabids showed the prevalence of the zoophages over the mixophytophages both in qualitative (67% : 33%) and in quantitative terms (85.5% : 14.5%).

Key words: new records, check list, Carabidae, Western Rhodope Mts., life forms, localities

Appendix. Systematic check list of the ground beetles found in the Western Rhodope Mts. HP – humidity preference; H – hygrophilous, MH – mesohygrophilous; M – mesophilous, MX – mesoxerophilous, X – xerophilous; LF – life form (explanations are given in the Material and Methods section of the main paper published in J. BioSci. Biotech. 2017, 6(3): 203-209); ♀ – female, ♂ – male, ex. – not determined); * – new for the studied area species. Explanations about the localities and periods of sampling are also given in the main paper.

№	Species	HP	LF	Material and locality
1.	<i>Cicindela (Cicindela) sylvicola</i> Latreille et Dejean, 1822	MX	1.2.4	Varba (2♀1♂); Pavelsko (1ex.)
2.	<i>Cicindela (Cicindela) campestris campestris</i> Linnaeus, 1758	MX	1.2.4	Krastava (1♀1♂, 23.IV.2015; 1♂, 24.IV.2015; 1♂, V); Chervenata stena (1♀1♂); Dobrostan (1♀1♂, 18.V.2014); Hvoyna (1♂); Ribnitsa (1 ex.); Varba (1 ex.); Semchinovo (1ex.)
3.	<i>Leistus (Pogonophorus) spinibarbis rufipes</i> Chaudoir, 1843	M	1.3(1).1	Pavelsko (1♂)
4.	<i>Leistus (Leistus) ferrugineus</i> (Linnaeus, 1758)	M	1.3(1).1	Grashtitsa (1♂, VI–IX.2016; 2♀4♂, IX–XI.2016; 2♀3♂, IV–IX.2017; 6♀7♂, IX–XII.2017)
5.	<i>Nebria (Nebria) brevicollis</i> (Fabricius, 1792)	MH	1.3(1).1	Krastava (1♀, VI; 3♂, VII); Mantaritsa (1♀, 19.X.2014)
6.	<i>Nebria (Alpaeonebria) rhilensis</i> J. Frivaldszky, 1879	M	1.3(1).1	Mantaritsa (2♀)
7.	<i>Notiophilus biguttatus</i> (Fabricius, 1779)	M	1.3(1).1	Dupkata (1♀, 13.VII.2014; 1♂, 18.X.2014; 2♂1ex.); Beglika (1♂)
8.	<i>Notiophilus rufipes</i> Curtis, 1829	M	1.3(1).1	Ravnogor (1♂); Kupena (1♂, 17.X.2014); Semchinovo (1ex.)
9.	<i>Calosoma (Calosoma) sycophanta</i> (Linnaeus, 1758)	M	1.2.2(1)	Krichim Dam (1 ex.)
10.	<i>Carabus (Trachycarabus) scabriusculus bulgarus</i> Lapouge, X 1908		1.2.2	Kupena (45♂57♀6ex.); Mantaritsa (4♂5♀); Dorbostan (1♀, 17.V.2014)
11.	<i>Carabus (Archicarabus) montivagus montivagus</i> Palliardi, 1825	M	1.2.2	Patalenitsa (3♀7♂); Krastava (1♀, IX)

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№	Species	HP	LF	Material and locality
12.	<i>Carabus (Tomocarabus) convexus</i> Fabricius, 1775	MX	1.2.2	Kupena (45♂47♀ ex.); Patalenitsa (2♀2♂); Krastava (1♀2♂, V); Nevyastata Peak (1 ex.); Grashtitsa (1♀, XI.2016–IV.2017; 1♀, IV–IX.2017)
13.	<i>Carabus (Chaetocarabus) intricatus intricatus</i> Linnaeus, 1761	M	1.2.2	Kupena (8♂5♀1 ex.)
14.	<i>Carabus (Megodontus) violaceus azuresens</i> Dejean, 1826	M	1.2.2	Mantaritsa (6♂3♀); Krastava (1♀1♂, VII; 2♀2♂, VIII; 2♀, IX); Dupkata (2♂4♀); Grashtitsa (4♀1♂, VI–IX.2016; 18♀26♂, IV–IX.2017; 1♀1♂, IX–XII.2017); Nevyastata Peak (1 ex., 18.V.2016; 2♀2♂ – traps); Semchinovo (1 ex.)
15.	<i>Carabus (Procrustes) coriaceus</i> Linnaeus, 1758	M	1.2.2	Patalenitsa (7♀13♂); Krastava (2♂, V; 1♂, VI; 1♂, VII; 5♀8♂, IX); Nevyastata Peak (3♀8♂); Kupena (1♂2♀); Varba (1♂); Mantaritsa (1♀); Dupkata (1♂); Grashtitsa (1 ex., 31.VIII.2015; 1♀3♂, VI–IX.2016; 1♀2♂, IX–XI.2016; 1♀2♂, IV–IX.2017; 2♀4♂, IX–XII.2017); Sitovo (1 ex.); Boykovo (1 ex.); Ustina (1 ex.); Semchinovo (1 ex.)
16.	<i>Carabus (Procerus) gigas gigas</i> Creutzer, 1799	M	1.2.2	Kupena (1♀, 11.VII.2014; 1♂1 ex. – traps)
17.	<i>Carabus (Procerus) scabrosus bureschianus</i> Breuning, 1928	M	1.2.2	Grashtitsa (2♀, 31.VIII.2015; 1♂, 18.VI.2016; 1♂, V–VI.2016; 1 ex., IX–XI.2016; 1♂, IV–IX.2017; 1 ex., IX–XII.2017); Nevyastata Peak (1 ex., 18.VI.2016); Ravnogor (1 ex.)
18.	<i>Carabus (Oreocarabus) hortensis</i> Linnaeus, 1758	M	1.2.2	Mantaritsa (21♂25♀); Kupena (16♂13♀); Dupkata (2♂5♀); Grashtitsa (1♀, V–VI.2016; 3♀1♂, VI–IX.2016; 1♀1♂, IV–IX.2017; 1♂, IX–XII.2017); Nevyastata Peak (1 ex., 18.V.2016; 1♀1♂ – traps); Krastava (1♂; VII); Ravnogor (1 ex.)
19.	<i>Cychrus semigranosus balcanicus</i> Hopffgarten, 1881	M	1.2.2	Mantaritsa (23♂11♀); Dupkata (9♂4♀); Kupena (9♂3♀1 ex.); Dorbostan (1♂, 18.V.2014); Nevyastata Peak (1 ex., 18.VI.2016); Ravnogor (1 ex.); Ustina (1 ex.)
20.	<i>Clivina (Clivina) collaris</i> (Herbst, 1784)	MH	1.4.2(1)	Krastava (1♂, V; 1♂, VI)
21.	<i>Trechus (Trechus) obtusus obtusus</i> Erichson, 1837	MH	1.3(1).2	Grashtitsa (2♂, V–VI.2016; 12♀3♂, VI–IX.2016; 8♀4♂, IX–XI.2016; 2♀1♂, XI.2016–IV.2017; 1♀1♂, IV–IX.2017; 1♀, IX–XII.2017)
22.	<i>Trechus (Trechus) quadristriatus</i> (Schrank, 1781)	MX	1.3(1).2	Grashtitsa (1♀1♂, XI.2016–IV.2017; 1♀, IV–IX.2017); Patalenitsa (1♂)
23.	<i>Trechus (Trechus) subnotatus subnotatus</i> Dejean, 1831	M	1.3(1).2	Grashtitsa (1♂, IV–IX.2017)
24.	<i>Trechus (Trechus) cardioderus</i> Putzeys, 1870	M	1.3(1).2	Grashtitsa (2♀1♂, IV–IX.2017)
25.*	<i>Trechus (Trechus) asiaticus</i> Jeannel, 1927	MH	1.3(1).2	Grashtitsa (1♀, V–VI.2016; 1♀, VI–IX.2016)
26.*	<i>Tachys (Paratachys) micros</i> (Fischer-Waldheim, 1828)	H	1.3(1).4	Krastava (2♀, V)
27.*	<i>Tachyura (Tachyura) quadrisignata quadrisignata</i> (Duftschmid, 1812)	H	1.3(1).1	Mantaritsa (1♀, 19.X.2014)
28.	<i>Asaphidion flavipes</i> (Linnaeus, 1761)	MH	1.2.3	Grashtitsa (1♂1♀, VI–IX.2016; 2♂, IV–IX.2017; 1♂, IX–XII.2017)
29.	<i>Bembidion (Metallina) lampros</i> (Herbst, 1784)	M	1.3(1).2	Grashtitsa (1♂, 26.VII.2016; 22♀32♂, V–VI.2016; 26♀24♂, VI–IX.2016; 19♀35♂, IX–XI.2016; 7♀8♂, XI.2016–IV.2017; 44♀56♂, IV–IX.2017; 1♀1♂, IX–XII.2017); Krastava (1♀, V); Ustina (1 ex.)

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№	Species	HP	LF	Material and locality
30.	<i>Bembidion (Metallina) properans</i> (Stephens, 1828)	MH	1.3(1).2	Grashtitsa (1♀, VI–IX.2016); Gostun (1♀)
31.	<i>Bembidion (Philochthus) guttula</i> (Fabricius, 1792)	H	1.3(1).1	Grashtitsa (2♀6♂, V–VI.2016; 1♀, VI–IX.2016; 3♂, IV–IX.2017; 1♂, IX–XII.2017)
32.	<i>Bembidion (Peryphus) subcostatum vau</i> Netolitzky, 1913	H	1.3(1).1	Krastava (1♀1♂, 23.IV.2015; 1♀, V); Rakitovo (1♀2♂)
33.	<i>Bembidion (Ocyturanus) balcanicum</i> Apfelbeck, 1899	MH	1.3(1).1	Nevyastata Peak (2♀, 18.V.2016); Ribnitsa (1♂)
34.	<i>Bembidion (Peryphanes) dalmatinum dalmatinum</i> Dejean, 1831	H	1.3(1).1	Dedevo (4♂)
35.	<i>Bembidion (Peryphanes) deletum deletum</i> Audinet-Serville, 1821	H	1.3(1).1	Grashtitsa (2♂, IX–XI.2016; 1♀1♂, XI.2016–IV.2017; 1♀2♂, IV–IX.2017)
36.	<i>Bembidion (Peryphanes) brunnicorne brunnicorne</i> Dejean, 1831	H	1.3(1).1	Grashtitsa (1♀, V–VI.2016)
37.	<i>Bembidion (Peryphanes) stephensii stephensii</i> Crotch, 1866	MH	1.3(1).1	Krastava (1♀1♂, V); Grashtitsa (3♀, VI–IX.2016; 1♂, XI.2016–IV.2017; 3♀3♂, IV–IX.2017; 3♀, IX–XII.2017)
38.	<i>Bembidion (Peryphanes) castaneipenne</i> Jacquelin du Val, 1852	MH	1.3(1).1	Kuklen (1♀1♂), Dedevo (1♀)
39.	<i>Bembidion (Peryphiolus) monticola monticola</i> Sturm, 1825	H	1.3(1).1	Dedevo (1♂)
40.	<i>Stomis (Stomis) pumicatus</i> (Panzer, 1796)	M	1.3(1).2	Mantaritsa (1♀); Grashtitsa (1♂, V–VI.2016; 4♀4♂, VI–IX.2016; 1♀, XI.2016–IV.2017; 6♀17♂, IV–IX.2017)
41.	<i>Xenion ignitum</i> (Kraatz, 1875)	M	1.3(1).4	Kupena (15♂11♀3ex.); Mantaritsa (2♂3♀); Krastava (3♂, VII); Dupkata (1♂2♀); Nevyastata Peak (2♂); Boykovo (1ex.)
42.	<i>Myas (Myas) chalybaeus</i> (Palliard, 1825)	M	1.3(2).1	Kupena (32♂17♀4ex.); Patalenitsa (8♀5♂); Ustina (1ex.)
43.	<i>Poecilus (Poecilus) cupreus cupreus</i> (Linnaeus, 1758)	M	1.3(2).1	Grashtitsa (7♀9♂, V–VI.2016; 8♀12♂, VI–IX.2016; 14♀9♂, IX–XI.2016; 14♀8♂, IV–IX.2017; 2♀1♂, IX–XII.2017); Krastava (2♀8♂, V; 1♀10♂, VII)
44.	<i>Poecilus (Poecilus) lepidus lepidus</i> (Leske, 1785)	MX	1.3(2).1	Krastava (1♂, 25. XI.2015)
45.	<i>Poecilus (Poecilus) versicolor</i> (Sturm, 1824)	MH	1.3(2).1	Krastava (1♀1♂, 24.IV.2015; 13♀12♂, V; 5♀10♂, VI; 2♀21♂, VII; 1♀2♂, VIII; 1♂, IX); Grashtitsa (1♂, V–VI.2016; 1♀, VI–IX.2016; 3♀4♂, IX–XI.2016; 5♀5♂, IV–IX.2017)
46.	<i>Pterostichus (Platysma) niger niger</i> (Schaller, 1783)	M	1.3(2).1	Grashtitsa (1♂, 15.IV.2017; 6♀21♂, V–VI.2016; 14♀14♂, VI–IX.2016; 41♀92♂, IV–IX.2017); Mantaritsa (11♂18♀1ex.); Kupena (1♂2♀2ex.); Dorbostan (1♀, 16.V.2014; 1♀, 17.V.2014; 1♂, 18.V.2014); Dupkata (2♀); Sveti Georgi Peak (1♂); Lilkovo (1ex.)
47.*	<i>Pterostichus (Argutor) leonisi</i> Apfelbeck, 1904	H	1.3(2).1	Krastava (1♀, VII)
48.	<i>Pterostichus (Argutor) vernalis</i> (Panzer, 1796)	H	1.3(2).1	Krastava (1♀, 24.IV.2015)
49.	<i>Pterostichus (Phonias) strenuus</i> (Panzer, 1796)	MH	1.3(2).1	Grashtitsa (1♂, V–VI.2016; 7♀3♂, IX–XI.2016; 1♀2♂, XI.2016–IV.2017; 1♀3♂, IV–IX.2017; 2♀3♂, IX–XII.2017)
50.	<i>Pterostichus (Bothriopterus) quadrifoveolatus</i> Letzner, 1852	MH	1.3(2).1	Grashtitsa (1♂, V–VI.2016)
51.	<i>Pterostichus (Bothriopterus) oblongopunctatus oblongopunctatus</i> (Fabricius, 1787)	MH	1.3(2).1	Krastava (1♀1♂, V; 3♀4♂, VI; 3♀4♂, VII; 2♀2♂, VIII); Grashtitsa (1♀1♂, VI–IX.2016; 6♀6♂, IV–IX.2017; 1♀, IX–XII.2017); Mantaritsa (1♂); Rakitovo (1♂)
52.	<i>Pterostichus (Petrophilus) melanarius</i> (Illiger, 1798)	MH	1.3(2).1	Krastava (1♀1♂, VII)
53.	<i>Pterostichus (Feronidius) melas depressus</i> (Dejean, 1828)	M	1.3(2).1	Dorbostan (1♂, 16.V.2014)

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№	Species	HP	LF	Material and locality
54.	<i>Pterostichus (Aphaon) rhilensis rhilensis</i> Rottenberg, 1874	M	1.3(2).1	Mantaritsa (1♂4♀)
55.	<i>Abax (Abax) parallelus parallelus</i> (Duftschmid, 1812)	M	1.3(2).1	Mantaritsa (5♀6♂)
56.	<i>Abax (Abacopercus) carinatus carinatus</i> Duftschmid, 1812	M	1.3(2).1	Kupena (1♀); Grashitsa (1♀, VI–IX.2016; 1♀, IV–IX.2017)
57.	<i>Molops (Molops) dilatatus dilatatus</i> Chaudoir, 1868	M	1.3(2).1	Grashitsa (1♀, 18.VI.2016; 3♀27♂, V–VI.2016; 2♂, VI–IX.2016; 1♀, IX–XI.2016; 10♀28♂, IV–IX.2017); Mantaritsa (5♂1♀); Krastava (1♂, V; 1♂, VII); Ezerovo (1♂)
58.	<i>Molops (Molops) alpestris rhilensis</i> Apfelbeck, 1904	M	1.3(2).1	Grashitsa (2♀, IV–IX.2017); Krastava (1♂, V); Kupena (1♀); Mantaritsa (1♂); Dorbostan (1♂, 16.V.2014)
59.	<i>Tapinopterus (Tapinopterus) balcanicus balcanicus</i> Ganglbauer, 1891	M	1.3(2).2	Mantaritsa (20♂6♀); Dupkata (1♀, 13.VII.2014; 18♂3♀); Grashitsa (1♀4♂, V–VI.2016; 1♀2♂, VI–IX.2016; 1♀, XI.2016–IV.2017; 3♀22♂, IV–IX.2017); Kupena (4♂4♀); Chervenata stena (1♀); Dorbostan (1♀, 16.V.2014)
60.	<i>Calathus (Calathus) distinguendus</i> Chaudoir, 1846	MX	1.3(1).2	Patalenitsa (4♀2♂); Krastava (2♀, VII; 1♀1♂, VIII; 1♂, IX)
61.	<i>Calathus (Calathus) fuscipes</i> (Goeze, 1777)	M	1.3(1).2	Patalenitsa (19♀40♂1ex.); Kupena (5♂2♀8ex.); Krastava (1♀, VI; 1♀1♂, IX); Grashitsa (1♀, IX–XI.2016; 2♀1♂, IX–XII.2017); Ustina (1ex.)
62.	<i>Calathus (Neocalathus) melanocephalus melanocephalus</i> (Linnaeus, 1758)	M	1.3(1).2	Patalenitsa (1♀1♂); Krastava (1♂, V); Grashitsa (1♀, IX–XI.2016)
63.	<i>Calathus (Neocalathus) metallicus</i> Dejean 1828	M	1.3(1).2	Mantaritsa (2♂); Beglika (1♂1♀)
64.*	<i>Laemostenus (Laemostenus) janthinus</i> (Duftschmid, 1812)	MX	1.3(1).6	Kupena (1♀)
65.	<i>Laemostenus (Pristonychus) terricola punctatus</i> (Dejean, 1828)	M	1.3(1).6	Grashitsa (1♀, V–VI.2016; 1♀1♂, VI–IX.2016; 1♀, IV–IX.2017); Kupena (2♀); Nevyastata Peak (1♀2♂); Dorbostan (1♂, 16.V.2014)
66.	<i>Laemostenus (Pristonychus) cimmerius wieratheri</i> J. Müller, 1932	M	1.3(1).6	Nevyastata Peak (1♂)
67.	<i>Laemostenus (Actenipus) plasoni plasoni</i> Reitter, 1885	M	1.3(1).6	Grashitsa (1♂, 31.VIII.2015; 1♀, VI–IX.2016; 2♀1♂, IV–IX.2017; 1♀, IX–XII.2017)
68.	<i>Synuchus (Synuchus) vivalis vivalis</i> (Illiger, 1798)	M	1.3(1).2	Krastava (1♂, VII; 1♂, IX)
69.	<i>Agonum (Agonum) muelleri</i> (Herbst, 1784)	MH	1.3(1).1	Grashitsa (1♂, V–VI.2016; 1♀, IV–IX.2017)
70.	<i>Agonum (Agonum) antennarium</i> (Duftschmid, 1812)	H	1.3(1).1	Grashitsa (4♀2♂, V–VI.2016; 3♀, IX–XI.2016; 1♀1♂, XI.2016–IV.2017; 1♀, IV–IX.2017); Krastava (1♂, V)
71.	<i>Agonum (Olisares) sexpunctatum</i> (Linnaeus, 1758)	MH	1.3(1).1	Krastava (1♀, V; 1♂, VII)
72.	<i>Limodromus assimilis</i> (Paykull, 1790)	H	1.3(1).2	Rakitovo (7♀14♂); Mantaritsa (1♀, 12.VII.2014; 2♀)
73.	<i>Anchomenus (Anchomenus) dorsalis</i> (Pontoppidan, 1763)	M	1.3(1).1	Grashitsa (1ex., 31.VIII.2015; 3♀4♂, V–VI.2016; 5♀4♂, VI–IX.2016; 1♀, IX–XI.2016; 2♀3♂, IV–IX.2017); Patalenitsa (3♀3♂)
74.	<i>Amara (Zezea) tricuspadata</i> Dejean, 1831	M	2.2.1	Semchinovo (1♀); Krastava (1♀, VII)
75.	<i>Amara (Amara) aenea</i> (De Geer, 1774)	MX	2.3.1	Krastava (1♂, 23.IV.2015; 2♀2♂, V; 5♀, VI; 1♀, VII); Krichim Dam (1ex.); Sitovo (1ex.)
76.	<i>Amara (Amara) anthobia</i> A. Villa et G. B. Villa, 1833	MX	2.1.1	Lilkovo (1ex.)
77.	<i>Amara (Amara) convexior</i> Stephens, 1828	MX	2.3.1	Krastava (1♀1♂, VII)
78.	<i>Amara (Amara) eurynota</i> (Panzer, 1796)	M	2.3.1	Ravnogor (1♀)
79.	<i>Amara (Amara) communis</i> (Panzer, 1797)	MX	2.3.1	Krastava (3♀2♂, V; 3♀1♂, VI); Grashitsa (1♀, VI–IX.2016)

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Nº	Species	HP	LF	Material and locality
80.	<i>Amara (Amara) familiaris</i> (Duftschmid, 1812)	M	2.3.1	Krastava (1♂, V)
81.	<i>Amara (Amara) lucida</i> (Duftschmid, 1812)	MH	2.3.1	Krastava (1♀, V; 1♀, VII); Grashitsa (1♂, V–VI.2016)
82.	<i>Amara (Amara) ovata</i> (Fabricius, 1792)	M	2.3.1	Krastava (2♀1♂, VII; 1♂, VIII)
83.	<i>Amara (Amara) saphyrea</i> Dejean, 1828	MX	2.3.1	Patalenitsa (2♂)
84.	<i>Amara (Amara) similata</i> (Gyllenhal, 1810)	MH	2.3.1	Grashitsa (2♂, V–VI.2016)
85.	<i>Amara (Amara) lunicollis</i> Schiödte, 1837	M	2.1.1	Hvoyna (1♂); Nevyastata Peak (1♂, 18.V.2016); Sveti Georgi Peak (1♂)
86.	<i>Amara (Amara) montivaga</i> Sturm, 1825	MX	2.3.1	Grashitsa (5♀1♂, V–VI.2016; 4♀5♂, VI–IX.2016; 1♂, IX–XI.2016; 2♀5♂, IV–IX.2017; 2♀, IX–XII.2017)
87.	<i>Amara (Amara) nitida</i> Sturm, 1825	MX	2.3.1	Grashitsa (1♀, IV–IX.2017)
88.*	<i>Amara (Amara) morio nivium</i> Tschitschérine, 1900	M	2.3.1	Krastava (1♂, VIII)
89.	<i>Amara (Amarocelia) erratica</i> (Duftschmid, 1812)	M	2.3.1	Krastava (2♀, VII)
90.	<i>Amara (Paracelia) quenseli quenseli</i> (Schönherr, 1806)	MX	2.3.1	Krastava (1♂, VI)
91.	<i>Amara (Percosia) equestris equestris</i> Heer, 1837	MX	2.3.2	Krastava (1♂, VIII)
92.	<i>Amara (Curtonotus) aulica</i> (Panzer, 1797)	M	2.3.1	Grashitsa (2♀, VI–IX.2016; 1♀, IX–XII.2017)
93.	<i>Zabrus (Pelor) spinipes spinipes</i> (Fabricius, 1798)	MX	2.3.2	Patalenitsa (1♀2♂); Grashitsa (1♂, 31.VIII.2015; 1♀, 18.VI.2016; 1♀1♂, V–VI.2016; 1♂, VI–IX.2016; 1♀, XI.2016–IV.2017; 1♂, IV–IX.2017)
94.	<i>Anisodactylus (Anisodactylus) binotatus</i> (Fabricius, 1787)	MH	2.3.1	Krastava (1♂)
95.	<i>Bradycellus (Bradycellus) caucasicus</i> (Chaudoir, 1846)	MH	2.1.1	Grashitsa (1♂, XI.2016–IV.2017)
96.	<i>Stenolophus (Stenolophus) teutonius</i> (Schrank, 1781)	MH	2.1.1	Krastava (1♂, 24.IV.2015)
97.	<i>Harpalus (Pseudophonus) rufipes</i> (DeGeer, 1774)	MX	2.3.1	Patalenitsa (3♀2♂); Grashitsa (2♂, VI–IX.2016; 1♀6♂, IV–IX.2017)
98.	<i>Harpalus (Pseudophonus) griseus</i> (Panzer, 1796)	MX	2.3.1	Patalenitsa (1♀2♂)
99.	<i>Harpalus (Harpalus) rufipalpis rufipalpis</i> Sturm, 1818	MX	2.3.1	Krastava (1♀4♂, VII)
100.	<i>Harpalus (Harpalus) honestus</i> (Dufschmid, 1812)	MX	2.3.1	Nevyastata Peak (2♂, 18.V.2016)
101.	<i>Harpalus (Harpalus) rubripes</i> (Duftschmid, 1812)	MX	2.3.1	Krastava (1♂, 24.IV.2015; 1♂, VI; 1♂, VIII); Patalenitsa (1♂1♀); Nevyastata Peak (1♀); Trigrad (1♂); Grashitsa (1♀, VI–IX.2016; 1♀, IV–IX.2017)
102.	<i>Harpalus (Harpalus) attenuatus</i> Stephens, 1828	MX	2.3.1	Krastava (1♂, IX)
103.	<i>Harpalus (Harpalus) atratus</i> Latreille, 1804	MX	2.3.1	Grashitsa (1♂, 23.VIII.2016; 2♀1♂, VI–IX.2016; 2♀9♂, IV–IX.2017); Patalenitsa (1♂2♀); Kupena (1♂1♀); Krastava (1♀, VII)
104.	<i>Harpalus (Harpalus) laevipes</i> Zetterstedt, 1828	M	2.3.1	Grashitsa (3♂, IV–IX.2017); Mantaritsa (1♀); Krastava (1♀, VII); Gostun (1♂)
105.	<i>Harpalus (Harpalus) pumilus</i> Sturm, 1818	X	2.3.1	Krastava (1♂, 27.VI.2015; 1♀, V)
106.	<i>Harpalus (Harpalus) tardus</i> (Panzer, 1796)	MX	2.3.1	Patalenitsa (1♀1♂); Grashitsa (1♂, V–VI.2016; 1♂, IV–IX.2017)
107.	<i>Harpalus (Harpalus) latus</i> (Linnaeus, 1758)	MX	2.3.1	Krastava (1♀, V; 2♀2♂, VI; 3♀4♂, VII)
108.	<i>Harpalus (Harpalus) xanthopus winkleri</i> Schaubberger, 1923	M	2.3.1	Grashitsa (1♀, IV–IX.2017)
109.	<i>Harpalus (Harpalus) dimidiatus</i> (P. Rossi, 1790)	MX	2.3.1	Grashitsa (1♂, V–VI.2016)
110.*	<i>Harpalus (Harpalus) caspius</i> (Steven, 1806)	X	2.3.1	Patalenitsa (1♀1♂)
111.	<i>Harpalus (Harpalus) hospes</i> Sturm, 1818	X	2.3.1	Grashitsa (1♀, 3.V. 2016)
112.	<i>Harpalus (Harpalus) affinis</i> (Schrank, 1781)	MX	2.3.1	Krastava (1♂, 24.IV.2015); Grashitsa (1♂, V–VI.2016)
113.	<i>Ophonus (Metophonus) laticollis</i> Mannerheim, 1825	MX	2.2.1	Grashitsa (1♂, 26.VII.2016; 1♀1♂, 23.VIII.2016; 4♀3♂, V–VI.2016; 5♀9♂, VI–IX.2016; 1♀1♂, IX–XI.2016; 30♀36♂, IV–IX.2017; 2♀4♂, IX–XII.2017)
114.	<i>Ophonus (Metophonus) schaubbergerianus</i> (Puel, 1937)	M	2.2.1	Grashitsa (1♀, 23.VIII.2016; 6♀4♂, VI–IX.2016; 1♀, IX–XI.2016; 28♀26♂, IV–IX.2017; 1♀1♂, IX–XII.2017)

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№	Species	HP	LF	Material and locality
115.	<i>Ophonus (Hesperophonus) azureus</i> (Fabricius, 1775)	MX	2.2.1	Grashtitsa (1♂, IV–IX.2017; 1♂, IX–XII.2017)
116.	<i>Ophonus (Hesperophonus) cribricollis</i> (Dejean, 1829)	MX	2.2.1	Patalenitsa (1♀)
117.	<i>Dixus obscurus</i> (Dejean, 1825)	X	2.3.3	Semchinovo (1ex.)
118.	<i>Panagaeus (Panagaeus) bipustulatus</i> (Fabricius, 1775)	MX	1.3(1).1	Krastava (1♀1♂, V; 1♀, VI; 2♂, VII); Pavelsko (1♂)
119.	<i>Callistus lunatus lunatus</i> (Fabricius, 1775)	MH	1.3(1).1	Grashtitsa (1♀, IV–IX.2017)
120.	<i>Chlaenius (Dinodes) decipiens</i> (L. Dufour, 1820)	MX	1.3(1).1	Kupena (1♀, 11.VII.2014)
121.	<i>Chlaenius (Chlaeniellus) nitidulus</i> (Schrank, 1781)	H	1.3(1).1	Krastava (2♀2♂, VI)
122.*	<i>Badister (Badister) bullatus</i> (Schrank, 1798)	MH	1.3(1).1	Krastava (1♀1♂, VII)
123.	<i>Paradromius (Manodromius) linearis linearis</i> (Olivier, 1795)	MH	1.3(1).5	Grashtitsa (1♂, IX–XI.2016)
124.*	<i>Syntomus obscuroguttatus</i> (Duftschmid, 1812)	MX	1.3(1).3	Krastava (1♀1♂, 24.IV.2015; 1♀, V)
125.	<i>Syntomus pallipes</i> (Dejean, 1825)	MX	1.3(1).3	Krastava (1♀1♂, V)
126.	<i>Microlestes maurus maurus</i> (Sturm, 1827)	MX	1.3(1).3	Grashtitsa (2♂, IX–XI.2016; 2♀6♂, IV–IX.2017)
127.	<i>Microlestes minutulus</i> (Goeze, 1777)	MX	1.3(1).3	Krastava (1♀8♂, VI; 1♀3♂, VII; 1♀, VIII; 1♀, IX); Grashtitsa (1♂, V–VI.2016; 1♀2♂, VI–IX.2016)
128.*	<i>Microlestes apterus</i> Holdhaus, 1904	MX	1.3(1).3	Grashtitsa (1♀, IX–XI.2016; 2♂, XI.2016–IV.2017)
129.	<i>Lionychus (Lionychus) quadrillum</i> (Duftschmid, 1812)	H	1.3(1).1	Krastava (3♀2♂, 23.IV.2015)
130.	<i>Cymindis (Cymindis) axillaris axillaris</i> (Fabricius, 1794)	MX	1.3(1).3	Krastava (1♂, 25. XI.2015)
131.	<i>Cymindis (Cymindis) humeralis</i> (Geoffroy in Fourcroy, 1785)	MX	1.3(1).3	Nevyastata Peak (1♂, 18.V.2016)
132.	<i>Aptinus (Aptinus) bombardata</i> (Illiger, 1800)	M	1.3(1).3	Kupena (5♀)
133.	<i>Brachinus (Brachynidius) explodens</i> Duftschmid, 1812	MX	1.3(1).3	Patalenitsa (1♂1♀)