

Научни трудове на ПУ, <i>Animalia</i>	Год./An.	Том/Vol.	Кн./Fasc.	с./pp.
Trav. Sci. Univ. Plovdiv, <i>Animalia</i>	2004	40	6	77–96

THE LEAF BEETLES (INSECTA: COLEOPTERA: CHRYSOMELIDAE) OF THE SREDNA GORA MOUNTAINS (BULGARIA). FAUNA AND ZOOGEOGRAPHY

Blagoy A. Gruev

*Department of Zoology, University of Plovdiv, Tzar Assen 24,
BG-4000 Plovdiv, Bulgaria*

Abstract. Faunistic and zoogeographic data about 220 species and subspecies established in Sredna Gora Mountains are given.

Key words: Insecta, Coleoptera, Chrysomelidae, Sredna Gora Mountains, Bulgaria, faunistic data, zoogeographic classification

Introduction

Sredna Gora Mountains (Ihtimanska [excl. Lozenska], Sashtinska and Sarnena) have not been specially investigated with respect to Chrysomelidae. The present work summarized all the faunistic data about the family taxa from the literature and from new findings. Newly recorded to the fauna of Sredna Gora Mountain herein are 55 taxa, and new distributional data for other 11 species are given. By now 220 species and subspecies have been established in the studied area (Orsodacninae – 1, Zeugophorinae – 1, Donaciinae – 4, Criocerinae – 5, Clytrinae – 20, Cryptocephalinae – 25, Eumolpinae – 4, Chrysomelinae – 43, Galerucinae – 14, Alticinae – 87, Hispinae – 1, Cassidinae – 15). Their zoogeographical belongings are given in the faunistic list by the use of abbreviations at the end of each taxon distributional data. The number of the known taxa in Sredna Gora Mountains constitutes only 41 % of the Bulgarian leaf beetles. After purposefully researches it will undoubtedly increase to a great extent. Fifty three taxa are herein newly recorded to the fauna of Sredna Gora Mountains.

Acknowledgements. I deeply thank Dr. VASSIL TOMOV of the University of Plovdiv who kindly placed his materials of Orsodacninae, Zeugophorinae, Donaciinae, Criocerinae, Clytrinae, Cryptocephalinae and Galerucinae (identified by him) at my disposal.

Faunistic list

(Abbreviations: **ab.** – above, **m. h.** – mountain hostel, **p.** – place, **s.** – summit, **vill.** – village; **S** – Siberian complex [EAP – Euroasiatic Palaeartic element: SibE – Siberoeuropean subelement, SSibE – Southsiberoeuropean subelement, TrPal – Transpalaeartic subelement, HPal – Holopalaeartic subelement; H – Holarctic element], **E** – European complex [ME – Mideuropean element; ME (mt) – Mideuropean mountain element; SEE (mt) – Southeasteuropean mountain element; SbM – Submediterranean element: HSbM – Holosubmediterranean subelement, EsbM – Eastsubmediterranean subelement], **EAS** – Euroasiatic steppe complex [CA (steppe) – Centralasiatic steppe element], **SWAs** – Southwestasiatic complex [SbIn – Subiranian element, IT – Irano-Turanian subelement, AsM – Asia Minor subelement, Eux – Euxinian element], **M** – Mediterranean complex [HM – Holomediterranean element; Eastmediterranean element], **End** – Endemic [Bn E – Balkan endemic; BgE – Bulgarian +endemic])

Subfamily ORSODACNINAE

* **Orsodacne humeralis** Latreille, 1804

vill. Korten, 12.V.1965; vill. Dolno Panicherevo, 13.V.1965. Distribution: southern parts of Mid Europe; France, Italy, Balkan Peninsula, Asia Minor. E/SbM/HSbM

Subfamily ZEUGOPHORINAE

* **Zeugophora subspinosa** (Fabricius, 1781)

Strelcha, 24.V.1964. Distribution: from England and Pyrenees to West Siberia. S/EAP/SibE

Subfamily DONACIINAE

Donacia impressa Paykull, 1799

ab. Chirpan (TOMOV, 1973). Distribution: from the Iberian Peninsula and Ireland to Mongolia. S/EAP/SibE

* **Donacia marginata** Hoppe, 1795

ab. Chirpan, 5.VII.1955. Distribution: Europe, Turkey, West Siberia, Middle Asia, North Africa. S/EAP/SibE

* **Donacia simplex** Fabricius, 1775

ab. Chirpan, 3.V.1961. Distribution: from the British Isls. and Spain to Mongolia and East Siberia; North Africa. S/EAP/HPal

* **Plateumaris consimilis** (Schrank, 1781)

m. h. „Bogdan“, 10.VI.1964; m. h. „Fenera“, 7.VI.1965, 13.VI.1964; m. h. „Pavel Deliradev“, 1.VI.1965. Distribution: from West Europe to Japan. S/EAP/TrPal

Subfamily CRIOCERINAE

Lema cyanella (Linnaeus, 1758)

ab. vill. Dolno Panicherevo (TOMOV, 1970). Distribution: from Spain and the British Isls. to Korea. S/EAP/TrPal

Lilioceris lilii (Scopoli, 1970)

Hisarya (TOMOV, 1970). Distribution: from Morocco and England to East Asia. S/EAP/SibE

Lilioceris merdigera (Linnaeus, 1758)

ab. vill. Dolno Panicherevo (TOMOV, 1970). Distribution: from the Iberian Peninsula, France and South Norway to Japan. S/EAP/TrPal

* **Oulema gallaeciana** (Heyden, 1870)

Starozagorski bani, 4.V.1961; ab. vill. Dolno Panicherevo, 13.V.1965; m. h. „Bogdan“, 5.VI.1965. Distribution: western, northern and central parts of Europe, the whole basin of Danube, East Russia, West Siberia. S/EAP/SibE

* **Oulema melanopus** (Linnaeus, 1758)

ab. Stara Zagora, 8.IV.1961; ab. Chirpan, 3.V.1961; Strelcha, 24.V.1964; Koprivshitsa, 4.VI.1965; ab. vill. Dolno Panicherevo, 12.V.1965; vill. Korten, 10.V.1965; m. h. „Fenera“, 13.VI.1964; s. Bogdan, 29.VII.1964; m. h. „Bogdan“, 5.VI.1965. Distribution: from Ireland, South Norway and Morocco to Middle Siberia and Mongolia. S/EAP/SibE

Subfamily CLYTRINAE

* **Cheilotoma erythrostroma** Faldermann, 1837

ab. Chirpan, 3.V.1837. Distribution: Italy, Bulgaria, Rumania, Crimea, South Russia, Caucasian countries, Central Kazakhstan. SW/EAP/SibE

Cheilotoma musciformis (Goeze, 1777)

Sredna Gora Mts. (GRUEV, TOMOV, 1998). New material: ab. Chirpan, 3.V.1961. Distribution: from East France and North Italy, Bulgaria, South Ukraine and Caucasus to East Kazakhstan. S/EAP/SibE

* **Clytra novempunctata** Olivier, 1808

ab. Hisarya, 8.VI.1965; Strelcha, 26.V.1970; vill. Pesnopoï, 30.V.1966; vill. Ivan Vazovo, 6.VI.1967. Distribution: South-East Europe (eastern Balkans, Rumania, South Ukraine, South Russia, Caucasian countries), Asia Minor, North-West Iran, Central Asia; Sicily. SWAs/SbIn

* **Clytra quadripunctata** (Linnaeus, 1758)

Strelcha, 6.V.1967, 26.V.1970; ab. Hisarya, 8.VI.1965, VII.1965; m. h. „Fenera“, 7.VI.1965; m. h. „Bogdan“, 5.VI.1965. Distribution: from Ireland and North Spain to Kazakhstan, Middle Asia and Mongolia. S/EAP/SibE

* **Coptocephala chalybaea** (Germar, 1824)

ab. Stara Zagora, leg. NEDELKOV, 1908. Distribution: from the basin of Danube and Bulgaria to South Russia and Central Asia. S/EAP/SibE

* **Coptocephala unifasciata** (Scopoli, 1763)

vill. Starosel, 24.VII.1967; ab. Stara Zagora, 12.VII.1968. Distribution: from Spain and Belgium to Middle East, Kazakhstan and Mongolia. S/EAP/SibE

* **Labidostomis cyanicornis** Germar, 1822

Strelcha, 26.V.1970. Distribution: southern part of Mid Europe, Rumania, Ukraine, basin of Volga. E/ME

Labidostomis humeralis (Schneider, 1792)

ab. Stara Zagora (NEDELKOV, 1909). New material: Strelcha, 26.V.1970; ab. Chirpan, 2.V.1916. Distribution: from Central France and South Sweden to Asia Minor and the basin of Volga. E/ME

* **Labidostomis longimana** (Linnaeus, 1761)

vill. Starosel, 24.VII.1967. Distribution: from South Italy, North Spain and South Sweden to Central Russia and Mongolia. S/EAP/SibE

* **Labidostomis lucida axillaris** (Lacordaire, 1848)

ab. Chirpan, 20.VI.1955; ab. Stara Zagora, 18.VII.1967. Distribution: from Trieste and South Germany to the basin of Volga and Caucasus. E/SbM/ESbM

Labidostomis propinqua Faldermann, 1837

ab. Stara Zagora (CHORBADZHIEV, 1928, 1929, 1930 a); Ihtiman (CHORBADZHIEV, 1930, 1932); Strelcha (GRUEV, TOMOV, 1965 – *Labidostomis beckeri*). New material: Starozagorski bani, 4.V.1961; vill. Korten, 12.V.1965. Distribution: Bulgaria, Rumania, Greece, Asia Minor, Caucasus. E/SbM/ESbM

* **Lachnaia sexpunctata** (Scopoli, 1763)

ab. Stara Zagora, 18.VI.1962; Hisarya, 8.VI.1965; Strelcha, 26.V.1970; m. h. „Fenera“, 8.VI.1965. Distribution: North-East France, South Germany, basin of Danube, Rumania, Ukraine, Balkan Peninsula, Asia Minor. E/SbM/HSbM

* **Smaragdina aurita** (Linnaeus, 1767)

Strelcha, 8.V.1976, 26.V.1970; ab. Hisarya, 8.VI.1965; ab. vill. Dolno Panicherevo, 13.V.1965; m. h. „Bogdan“, 5.VI.1965. Distribution: Pyrenees, West France, Italy, Mid Europe, Caucasian countries. E/ME

* **Smaragdina concolor hypocrita** (Lacordaire, 1848)

Strelcha, 6.V.1967, 26.V.1970; Starozagorski bani, 7.VI.1961. Distribution: Bulgaria, Rumania, Asia Minor. E/SbM/ESbM

Smaragdina flavicollis (Charpentier, 1825)

ab. Stara Zagora (GRUEV, TOMOV, 1965 – *Cyaniris flavicollis*); Sredna Gora Mts. (GRUEV, TOMOV, 1998). Distribution: from France and North Italy to North Turkey and Ukraine; Lithuania, Finland. E/ME

Smargadina graeca (Lefevre, 1872)

Strelcha (TOMOV, 1976). New material: Starozagorski bani, 2.V.1961. Distribution: south part of the Balkan Peninsula. E/SbM/ESbM

* **Smaragdina limbata** (Steven, 1806)

vill. Korten, 12.V.1965. Distribution: Balkan Peninsula, Caucasus, Asia Minor, Middle East, North Iran. SWAs/SbIn

* **Smaragdina salicina** (Scopoli, 1763)

m. h. „Fenera“, 13.VI.1964. Distribution: from North Spain and Denmark to the basin of Volga and Caucasus. E/ME

* **Smaragdina tibialis** (Brullé, 1832)

Strelcha, 6.V.1967; m. h. „Shindara“, 17.V.1966. Distribution: Balkan Peninsula, Asia Minor, Syria. SWAs/AsM

* **Smaragdina xanthaspis** (Germar, 1824)

Ihtiman, 23.VI.2004. Distribution: Northern Balkans, North Italy, basin of Danube, South Ukraine, Asia Minor. E/ESbM

Subfamily CRYPTOCEPHALINAE

Cryptocephalus apicalis Gebler, 1830

m. h. „Bogdan“, m. h. „Fenera“ (GRUEV, TOMOV, 1965). New material: Koprivshtitsa, 3.VI.1965; Distribution: from Austria to East Siberia. S/EAP/TrPal

* **Cryptocephalus bipunctatus** (Linnaeus, 1758)

Hisarya, 8.VI.1965; Strelcha, 26.V.1970; ab. Stara Zagora (p. „Ayazmoto“), 8.IV.1961; Starozagorski bani, 7.VI.1961; vill. Starosel, 25.VII.1967; m. h. „Fenera“, 7.VI.1965, 13.VI.1964; m. h. „Bogdan“, 10.VI.1964. Distribution: from Portugal and Ireland to Korea; North Africa. S/EAP/HPal

* **Cryptocephalus chrysopus** Gmelin, 1788

ab. vill. Dolno Panicherevo, 13.V.1965. Distribution: Mid, South and South-East Europe, Asia Minor. E/ME

* **Cryptocephalus cordiger** (Linnaeus, 1758)

Strelcha, 6.V.1967; ab. vill. Dolno Panicherevo, 13.V.1965. Distribution: from East France and South Sweden to East Siberia. S/EAP/SibE

* **Cryptocephalus coryli** (Linnaeus, 1758)

vill. Korten, 12.V.1965. Distribution: Europe, Kazakhstan, Siberia, Korea. S/EAP/TrPal

* **Cryptocephalus elegantulus** Gravenhorst, 1807

Starozagorski bani, 7.VI.1961; m. h. „Fenera“, 7.VI.1965. Distribution: from France to Korea. S/EAP/TrPal

* **Cryptocephalus flavipes** Fabricius, 1781

Strelcha, 6.V.1967, 26.V.1970; Starozagorski bani, 7.VI.1961; ab. Stara Zagora (p. „Ayazmoto“), 8.VI.1961; vill. Korten, 10.V.1965; m. h. „Shindara“, 17.V.1966; s. Bogdan, 5.VI.1965; m. h. „Bogdan“, 10.VI.1964; m. h. „Fenera“, 7.VI.1965. Distribution: Europe, Asia Minor, Caucasus, Middle Asia, Siberia. S/EAP/SibE

* **Cryptocephalus janthinus** Germar, 1824

vill. Starosel, 24.VII.1967. Distribution: Mid, South and South-East Europe, Caucasus, Asia Minor, Iran, Kazakhstan, Siberia. S/EAP/SibE

Cryptocephalus laetus Fabricius, 1792

vill. Turiya (YOAKIMOV, 1904). Distribution: basin of Danube, Poland, Rumania, Ukraine, South Russia, Caucasian countries. E/ME

* **Cryptocephalus moraei** (Linnaeus, 1758)

Strelcha, 6.V.1967, 26.V.1970; Starozagorski bani, 7.VI.1961; m. h. „Bogdan“, 5.VI.1965; m. h. „Fenera“, 7.VI.1965. Distribution: Europe, Caucasus, Asia Minor. E/ME

* **Cryptocephalus nitidus** (Linnaeus, 1758)

Strelcha, 26.V.1970. Distribution: Europe, southern Siberia. S/EAP/SSibE

* **Cryptocephalus ocellatus** Drapiez, 1819

Strelcha, 26.V.1970, on *Salix*. Distribution: Europe, Caucasus, Asia Minor, Iran, Kazakhstan, West Siberia. S/EAP/SibE

Cryptocephalus prusias Suffrian, 1853

m. h. „Fenera“, ab. vill. Dolno Panicherevo (TOMOV, 1971). Distribution: eastern parts of the Balkan Peninsula; Caucasus, Asia Minor, Syria, Jordan. SWAs/SbIn

* **Cryptocephalus pygmaeus vittula** Suffrian, 1848

vill. Starosel, 24.VII.1967. Distribution: mainly in Mid and East Europe, Caucasian countries, Asia Minor. E/ME

Cryptocephalus quadriguttatus Richter, 1820

s. Bogdan (GRUEV, TOMOV, 1965). Distribution: Mid and South Europe, Caucasus, Kazakhstan, West Siberia. S/EAP/SibE

* **Cryptocephalus schaefferi** Schrank, 1789

Strelcha, 6.V.1967; vill. Korten, 10.V.1965, on *Quercus*. Distribution: South, South-East and East Europe from North Spain to the basin of Volga and Caucasus; Asia Minor, Kazakhstan, West Siberia. S/EAP/SibE

* **Cryptocephalus sericeus** (Linnaeus, 1758)

Strelcha, 18.VII.1969; ab. Chirpan, 19.IV.1967; Starozagorski bani, 7.VI.1961; vill. Starosel, 25.VII.1967. Distribution: from North Spain, Belgium and Denmark to North-West China; Kazakhstan, Siberia. S/EAP/SibE

* **Cryptocephalus turcicus** Suffrian, 1847

Strelcha, 6.V.1967; vill. Korten, 10.V.1965; m. h. „Shindara“, 17.V.1966. Distribution: South and South-East Europe from France to Bulgaria; Asia Minor. E/SbM/HSbM

Cryptocephalus variceps Weise, 1884

Starozagorski bani (TOMOV, 1976). Distribution: southeastern part of the Balkan Peninsula; Turkey, Transcaucasus, Iran. SWAs/SbIn

* **Cryptocephalus villosulus** Suffrian, 1847

ab. vill. Dolno Panicherevo, 13.V.1965. Distribution: Germany (Bavaria), Czechia, Slovakia, Bulgaria, Dalmatia, North Italy. E/ME

* **Cryptocephalus violaceus** Laicharting, 1781

Strelcha, 26.V.1964, 26.V.1970; ab. Hisarya, 6.VI.1965; Starozagorski bani, 7.VI.1961; vill. Starosel, 18.VI.1960; vill. Korten, 12.V.1965; m. h. „Fenera“, 7.VI.1965, 13.VI.1964; s. Bogdan, 10.VI.1964; m. h. „Pavel Deliradev“, 9.VI.1964. Distribution: western, southern and eastern parts of Europe from Spain to Ukraine; Asia Minor. E/SbM/HSbM

* **Cryptocephalus virens** Suffrian, 1847

m. h. „Pavel Deliradev“, 1.VI.1965. Distribution: from the Italian Alps and Bavaria to the Balkan Peninsula, South Russia and Asia Minor. E/SbM/ESbM

* **Pachybrachis excisus** Weise, 1897

vill. Varben, 13.VI.1908. Distribution: Bulgaria, Asia Minor. E/SbM/ESbM

* **Pachybrachis fimbriolatus** Suffrian, 1848

Starozagorski bani, 4.V.1961; ab. Chirpan, 3.V.1961, 26.VI.1955; ab. Hisarya, 8.VI.1965; m. h. „Pavel Deliradev“, 1.VI.1965. Distribution: from North Spain to the basin of Danube and Asia Minor. E/SbM/HSbM

* **Pachybrachis tessellatus** (Olivier, 1791)

Starozagorski bani, 7.VI.1961. Distribution: from the southern and central parts of Europe to the Caspian Sea. E/ME

Subfamily EUMOLPINAE

Bromius obscurus (Linnaeus, 1758) s. str.

m. h. „Bogdan, p. „Panagyurski kolonii“ (GRUEV, 1992). Distribution: from the whole Europe to the Kurils and Japan; North America. S/H

Bromius obscurus villosulus (Schrank, 1781)

vill. Turiya (GRUEV, 1992). Distribution: southern parts of Europe, Palaearctic Asia (incl. Japan). S/EAP/TrPal

Pachnephorus villosus (Duftschmid, 1825)

ab. Chirpan, ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: South France, Italy, South-East Europe, Caucasus, Turkey, Syria, Iran. E/SbM/HSbM

Pales ulema (Germar, 1813)

ab. Stara Zagora (NEDELKOV, 1909 – *Eupales ulema*); vill. Korten, ab. vill. Dolno Panicherevo, m. h. „Bogdan“ (GRUEV, 1992 – *Eupales ulema*). Distribution: Southeastern Europe. E/SbM/ESbM

Subfamily CHRYSOMELINAE

Chrysolina carpathica gabrieli (Weise, 1903)

Sredna Gora Mts. (YOAKIMOV, 1904 – *Chrysomela lichenis* var. *carpathica*). Distribution: South and East Carpathians, Bulgaria (Stara Planina Ridge, Sredna Gora Mts.). E/SEE (mt)

Chrysolina cerealis alternans (Panzer, 1799)

Sredna Gora Mts. (YOAKIMOV, 1904 – *Chrysomela cerealis* var. *alternans*); ab. Stara Zagora (NEDELKOV, 1909 – *Chrysomela cerealis*); Strelcha, vill. Turiya, p. „Oborishte“, m. h. „Bogdan“ (GRUEV, 1992 – *Chrysolina cerealis*). Distribution: Europe (basin of Danube, North Balkans). E/SbM/ESbM

Chrysolina coeruleans (Scriba, 1791)

Strelcha, ab. vill. Dolno Panicherevo (GRUEV, 1992). New material: vill. Korten, 12.VI.1965; vill. Ivan Vazovo, 14.VIII.1976. Distribution: Mid and East Europe, France, Italy, Asia Minor. E/ME

Chrysolina fastuosa (Scopoli, 1763)

Sredna Gora Mts. (YOAKIMOV, 1899 – *Chrysomela fastuosa*; NEDELKOV, 1909 a – *Chrysomela fastuosa*); ab. Stara Zagora (NEDELKOV, 1909 – *Chrysomela fastuosa*); Koprivshitsa, ab. Stara Zagora, vill. Strozel, vill. Zlatosel, p. „Panagyurski kolonii“, m. h. „Bogdan“, m. h. „Pavel Deliradev“, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Caucasus, Asia Minor, Afghanistan, North-East Kazakhstan, West and Middle Siberia. S/EAP/SibE

Chrysolina geminata (Paykull, 1799)

m. h. „Pavel Deliradev“ (GRUEV, 1992). Distribution: Europe, Caucasus, Turkey. E/ME

Chrysolina globosa reprehensa Bechyné, 1950

m. h. „Bogdan“ (GRUEV, 1968 – *Chrysomela rufa*, 1977, 1990, 1992). Distribution: Bulgaria. End/BgE

Chrysolina gypsophilae (Kuester, 1845)

Sredna Gora Mts. (YOAKIMOV, 1904 – *Chrysolina sanguinolenta*); Strelcha, vill. Pesnopoi (GRUEV, 1992). Distribution: Europe, Caucasus, Turkey. E/ME

Chrysolina haemoptera (Linnaeus, 1758)

Hisarya, Strelcha, ab. Koprivshitsa, vill. Starosel, p. „Panagyarski kolonii“, m. h. „Bogdan“, s. Bogdan (GRUEV, 1992). Distribution: Europe, Caucasus, Turkey, Iran. E/ME

Chrysolina herbcea (Duftschmid, 1825)

Hisarya, ab. Chirpan, ab. Stara Zagora, Strelcha, vill. Zlatosel, vill. Korten, vill. Bata, vill. Ivan Vazovo, vill. Starosel, s. Bogdan, m. h. „Pavel Deliradev“, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Turkey, Iran, Afghanistan, Altai, Pamir. S/EAP/SSibE

Chrysolina hyperici (Forster, 1771)

Hisarya (WARCHALOWSKI, 1974 – *Chrysolina hyperici*); Strelcha, m. h. „Fenera“, m. h. „Bogdan“ (GRUEV, 1992). Distribution: whole Europe, Turkey, Middle Asia, North Africa. E/ME

Chrysolina limbata (Fabricius, 1775)

vill. Turiya (YOAKIMOV, 1899 – *Chrysolina limbata*); ab. Stara Zagora (NEDELKOV, 1909 – *Chrysolina limbata*); Strelcha, Hisarya, p. „Oborishte“ (GRUEV, 1992). Distribution: Europe, Kazakhstan, West Siberia, Mongolia. S/EAP/SibE

Chrysolina marginata (Linnaeus, 1758)

Koprivshitsa, Hisarya, Strelcha, vill. Krasnovo, m. h. „Bogdan“, m. h. „Fenera“, m. h. „Pavel Deliradev“ (GRUEV, 1992). Distribution: Europe, Turkey, Iran, Afghanistan, Kazakhstan, Middle Asia, whole Siberia, Mongolia, West China; North Africa. S/EAP/TrPal

Chrysolina notiophila Bechyné, 1952

m. h. „Fenera“, m. h. „Bogdan“, m. h. „Pavel Deliradev“ (GRUEV, 1968 – *Chrysolina crassimargo*); Sredna Gora Mts. (GRUEV, 1976 – *Chrysolina fallaciouosa*); m. h. „Fenera“, m. h. „Pavel Deliradev“ (GRUEV, 1990). Distribution: Bulgaria (Rila Mt., Sredna Gora Mts.). End/BgE

Chrysolina olivieri (Bedel, 1892)

m. h. „Fenera“ (GRUEV, 1968 – *Chrysolina coerulea*); Chirpan elevations (GRUEV, TOMOV, 1986 – *Chrysolina coerulea*). Distribution: the Alps, Carpathians, Balkan Peninsula (excl. Greece). E/ME (mt)

Chrysolina oricalcia (Mueller, 1776)

ab. Stara Zagora (GRUEV, 1992). Distribution: Europe, Turkey, whole Siberia, Mongolia. S/EAP/TrPal

Chrysolina polita (Linnaeus, 1758)

ab. Stara Zagora, ab. Chirpan (NEDELKOV, 1909 – *Chrysolina polita*); Strelcha, vill. Starosel, ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: Europe, Siberia, Mongolia, China, Sakhalien. S/EAP/TrPal

Chrysolina reitteri (Weise, 1884) s. str.

ab. Stara Zagora (NEDELKOV, 1909 – *Chrysolina lurida*; GRUEV, 1992 – *Chrysolina lurida*). Distribution: Mid, South, South-East and East Europe, Turkey, North Kazakhstan, Middle Asia, South Siberia. S/EAP/SSibE

Chrysolina rossia (Illiger, 1802)

ab. Stara Zagora, ab. Chirpan (NEDELKOV, 1909 a – *Chrysolina rossia*). Distribution: Italy, South-East Europe northwards to Slovenia and Austria. E/SbM/ESbM

Chrysolina sanguinolenta (Linnaeus, 1758)

ab. Hisrya (WASCHALOWSKI, 1974 – *Chrysolina sanguinolenta*). Distribution: Mid, South and East Europe, Caucasus, Asia Minor, Kazakhstan, South Siberia. S/EAP/SSibE

Chrysolina sturmi (Westhoff, 1882)

ab. Stara Zagora, vill. Turiya (YOAKIMOV, 1904 – *Chrysolina goettingensis*), ab. Chirpan (NEDELKOV, 1909 – *Chrysolina violacea*). Distribution: Europe from England and France to Russia and Ukraine; East Kazakhstan, Altai. S/EAP/SSibE

Chrysolina turca (Fairmaire, 1865)

ab. Stara Zagora (GRUEV, TOMOV, 1986). Distribution: Turkey (European and Asiatic), Bulgaria. SWAs/SbIn/AsM

Chrysolina varians (Schaller, 1783)

vill. Starosel (p. „Lalova baraka“), s. Bogdan, m. h. „Bogdan“, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Turkey, West Siberia. S/EAP/SibE

Chrysolina vernalis ottomana (Weise, 1906)

ab. Stara Zagora (NEDELKOV, 1909 – *Chrysomela vernalis* ab. *Heeri*); vill. Zlatosel (GRUEV, 1992). Distribution: Turkey (European and Asiatic), Balkan Peninsula (Bulgaria, Macedonia, Dalmatia, Bosnia-Herzegovina, Montenegro, Albania). SWAs/SbIn/AsM

Chrysomela collaris Linnaeus, 1758

ab. Stara Zagora (NEDELKOV, 1909 – *Melasoma collaris*). Distribution: Europe, Turkey, Kazakhstan, all Siberia, Mongolia, North-East China. S/EAP/TrPal

Chrysomela saliceti Suffrian, 1849

Strelcha (GRUEV, TOMOV, 1965 – *Melasoma saliceti*). Distribution: Europe, Iran, Kazakhstan, Middle Asia, Siberia, Mongolia. S/EAP/TrPal

Colaphus sophiae (Schaller, 1783)

vill. Turiya (YOAKIMOV, 1904); ab. Stara Zagora, ab. Chirpan (NEDELKOV, 1909); Strelcha (GRUEV, 1992 – *Colaphellus sophiae*). Distribution: Europe, Turkey. E/ME

Entomoscelis adonidis (Pallas, 1771)

ab. Chirpan (NEDELKOV, 1909 a); ab. Stara Zagora (GRUEV, 1992). Distribution: Europe, Turkey, Syria, Iran, Kazakhstan, Pakistan, Siberia, Mongolia, China (Sinkiang). S/EAP/SibE

Entomoscelis suturalis Weise, 1882

ab. Stara Zagora (NEDELKOV, 1909). Distribution: South-East Europe, Turkey, Georgia, Transcaucasus, Iran, Iraq, China. SWAs/SbIn/IT

Gastrophysa polygona (Linnaeus, 1758)

Strelcha, ab. Stara Zagora, ab. Chirpan, ab. vill. Dolno Panicherevo, vill. Korten (GRUEV, 1992). Distribution: Europe, Turkey, Kazakhstan, Middle Asia, Siberia, Mongolia, China, Korea, North Africa. S/EAP/HPal

Gonioctena fornicata (Brueggemann, 1873)

ab. Chirpan, vill. Korten, ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: South and South-East Europe, Turkey, Syria. E/SbM/HSbM

Gonioctena pallida reticulata (Bechyne, 1947)

Sredna Gora Mts. (NEDELKOV – *Phytodecta pallidus*). Distribution: mountains of Bosnia-Herzegovina, Montenegro and Bulgaria. End/BnE

Hydrothassa flavocincta (Brulle, 1832)

vill. Starosel (GRUEV, 1968). Distribution: Balkan Peninsula, Turkey, Italy. E/SbM/ESbM

Leptinotarsa decemlineata (Say, 1824)

Introduced from America. Pest on *Solanaceae*.

Phaedon armoraciae (Linnaeus, 1758).

vill. Zlatosel, vill. Dolno Panicherevo (GRUEV, 1968), Hisarya (WARCHALOWSKI, 1974). Distribution: Europe, Caucasus, Middle Asia, Siberia. S/EAP/TrPal

Phaedon cochleariae (Fabricius, 1792)

ab. Stara Zagora, ab. Chirpan (NEDELKOV, 1909); Strelcha, m. h. „Fenera“, m. h. „Bogdan“, m. h. „Pavel Deliradev“ (GRUEV, 1992). Distribution: Europe, Palaeartic Asia (incl. the tundra). S/EAP/TrPal

Phaedon pyritosus (Rossi, 1792)

Strelcha, vill. Starosel (GRUEV, 1969). Distribution: Europe, Turkey, Kazakhstan, Middle Asia, North Africa. S/EAP/SibE

Phratora laticollis (Suffrian, 1851)

Strelcha, vill. Starosel (GRUEV, 1992). Distribution: Europe, Palaeartic Asia. S/EAP/TrPal

Phratora vitellinae (Linnaeus, 1758)

Strelcha, Koprivshtitsa, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Palearctic Asia (excl. Japan). S/EAP/TrPal

Plagioderma versicolora (Laicharting, 1781)

vill. Turiya (YOAKIMOV, 1904); Strelcha, m. h. „Fenera“ (GRUEV, 1992). Distribution: Palearctis; India; Taiwan. S/EAP/HPal

Prasocuris junci (Brahm, 1790)

ab. Stara Zagora (NEDELKOV, 1909); ab. vill. Dolno Panicherevo (GRUEV, 1968); m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Azerbaijan, Turkey, North Africa. E/ME

Timarcha goettingensis aerea Herrich-Schaeffer, 1838

Sredna Gora Mts. (YOAKIMOV, 1904 – *Timarcha coriaria*), ab. Chirpan (NEDELKOV, 1909 a – *Timarcha coriaria*). Distribution: Dalmatia, Serbia, Croatia, Bulgaria. End/BnE

Timarcha metallica (Laicharting, 1781)

ab. Panagyurishte (p. „Panagyurski kolonii“) (GRUEV, 19968). Distribution: mountains of Mid and South Europe. E/ME (mt)

Timarcha tenebricosa (Fabricius, 1775)

Strelcha, ab. Stara Zagora, m. h. „Fenera“, m. h. „Bogdan“, m. h. „Pavel Deliradev“ (GRUEV, 1992). Distribution: Mid, South and South-East Europe, Turkey. E/ME

Subfamily GALERUCINAE

* **Agelastica alni** (Linnaeus, 1758)

ab. vill. Dolno Panicherevo, 13.V.1965. Distribution: Europe, Caucasus, Asia Minor. E/ME

* **Galeruca interrupta circumdata** Duftschmid, 1825

Strelcha, 26.V.1970; ab. Hisarya, 8.VI.1965. Distribution: basin of Danube, Balkan Peninsula, Ukraine. E/SbM/EsbM

* **Galeruca pomonae** (Scopoli, 1763)

Ihtiman, 23.VI.2004. Distribution: from Portugal and Ireland to Central Asia. S/EAP/SibE

* **Galeruca rufa** Germar, 1824

Strelcha, 26.V.1970; ab. vill. Dolno Panicherevo, 12.V.1965. Distribution: Spain (Balears: Mallorca), South France, Italy, basin of Danube, Balkan Peninsula, Ukraine, basin of lower Volga. E/SbM/HSbM

* **Galeruca tanacetii** (Linnaeus, 1758)

Strelcha, 26.V.1970. Distribution: from Ireland and Portugal to Korea. S/EAP/TrPal

* **Galerucella lineola** (Fabricius, 1781)

Strelcha, 26.V.1970. Distribution: Europe, Caucasus, Turkey, Siberia, Mongolia, North China, Japan. S/EAP/TrPal

* **Galerucella pusilla** (Duftschmid, 1825)

Strelcha, 24.V.1964; vill. Korten, 12.V.1965. Distribution: from Catalonia and the British Isls. to Siberia and Mongolia. S/EAP/SibE

* **Luperus cyanipennis** Kuester, 1848

ab. vill. Dolno Panicherevo, 13.V.1965. Distribution: France, Italy, Dalmatia, southern part of Mid Europe, basin of Danube. E/SbM/HSbM

* **Luperus graecus** Weise, 1886

Starozagorski bani, 7.VI.1961. Distribution: Balkan Peninsula. End/BnE

* **Luperus longicornis** (Fabricius, 1781)

m. h. „Fenera“, 16.V.1976, 13.VI.1964; m. h. „Bogdan“, 5.VI.1965. Distribution: from the Iberian Peninsula to East Siberia. S/EAP/SibE

* **Luperus xanthopoda** (Schrank, 1781)

m. h. „Fenera“, 7.VI.1965. Distribution: the Alps, Carpathians, Balkans, South Ukraine, Central Asia. S/EAP/SibE

* **Phyllobrotica adusta** (Creutzer, 1799)

Starozagorski bani, 7.VI.1961; Strelcha, 24.V.1964. Distribution: Balkan Peninsula, basin of Danube. E/ME

Phyllobrotica quadrimaculata (Linnaeus, 1758)

ab. Stara Zagora (NEDELKOV, 1909). Distribution: nearly the whole Europe; North and East Kazakhstan. S/EAP/SibE

* **Xanthogaleruca luteola** (Mueller, 1766)

ab. vill. Dolno Panicherevo, ab. Hisarya, 8.VIII.1965. Distribution: Europe (from Portugal and Denmark to Caucasus), Turkey, Middle Asia, Iran, North Africa. SWAs/SbIn

Subfamily ALTICINAE

Aeschrocnemis serbica (Kutschera, 1860)

vill. Korten (GRUEV, 1990 – *Derocrepis serbica*). Distribution: Serbia, Dalmatia, Bulgaria, Greece, Rumania, Crimea, Asia Minor. SWAs/Eux

Altica carduorum Guerin-Meneville, 1858

ab. Stara Zagora, vill. Korten, ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: Europe, Azerbaijan, Turkey, Kazakhstan, Middle Asia, Siberia. S/EAP/SibE

Altica lythri Aubé, 1843

ab. Stara Zagora (GRUEV, 1992). Distribution: Europe, Turkey. E/ME

Altica oleracea (Linnaeus, 1758)

Panagyurishte (NEDELKOV, 1909 a – *Haltica oleracea*); Strelcha, vill. Korten, vill. Pesnopoi, m. h. „Fenera“ (GRUEV, 1992). New material: Ihtiman, 20.VII.2004; vil. Starosel, 15.VII.2004.

Distribution: Europe, Palaeartic Asia. S/EAP/TrPal

Altica quercetorum Foudras, 1860 s. str.

ab. Stara Zagora (NEDELKOV, 1909 – *Haltica qarduorum*); m. h. „Bogdan“ (GRUEV, 1992).

Distribution: Mid and South Europe, Caucasus, Turkey. E/ME

Aphthona abdominalis (Duftschmid, 1825)

ab. Hisarya (GRUEV, 1992). Distribution: Mid and South Europe, Turkey, Iran, Afganistan, Kazakhstan, Siberia, Mongolia, China, Japan. S/EAP/TrPal

Aphthona atrovirens (Forster, 1849)

ab. Stara Zagora (GRUEV, 1992). Distribution: Mid, South and East Europe, Caucasus, Turkey. E/ME

Aphthona euphorbiae (Schrank, 1781)

Strelcha, m. h. „Bogdan“, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Palaeartic Asia eastwards to the Baikal area; North Africa. S/EAP/SibE

Aphthona flava Guillebeau, 1895

ab. Hisarya (WARCHALOWSKI, 1974); p. „Panagyurski kolonii“ (GRUEV, 1992). Distribution: Southeastern Europe westwards to Italy; Turkey. E/ME

Aphthona flaviceps Allard, 1859

Strelcha, ab. vill. Dolno Panicherevo (GRUEV, TOMOV, 1986). Distribution: Europe (mainly in south and southern parts of Mid Europe), Caucasus, Turkey, Syria, Rhodos, Cyprus, Iran, Iraq, Israel, Transcaucasus, Kazakhstan, Afghanistan, Middle Asia (Uzbekistan, Tajikistan), North Africa.

SWAs/SbIn/IT

Aphthona franzi Heikertinger, 1944

Strelcha (GRUEV, 1992). Distribution: Mid, South-East and East Europe, Caucasus, Turkey, Syria, Israel, Altai. S/EAP/SibE

Aphthona herbigrada (Curtis, 1837)

p. „Panagyurski kolonii“ (GRUEV, 1992). Distribution: Mid and South Europe, North-West Africa. E/ME

Aphthona nigriceps (Redtenbacher, 1842)

ab. Stara Zagora, vill. Korten, ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: South Europe, southern parts of Mid Europe, Caucasus, Turkey, Syria, Israel, South Sporades, North-West

Africa. E/SbM/HSbM

Aphthona nigriscutis Foudras, 1860

ab. Stara Zagora, Strelcha (GRUEV, 1992). Distribution: Mid and South-East Europe, Caucasus, Turkey, Iran, West Kazakhstan, West Siberia. S/EAP/SibE

Aphthona pygmaea (Kutschera, 1861)

Strelcha, ab. Hisarya, vill. Pesnopoly, ab. vill. Dolno Panicherevo, m. h. „Bogdan“ (GRUEV, 1992). Distribution: whole Europe, Turkey, Rhodos, Syria, Lebanon, Israel, Jordan, North-East Africa. E/ME

Aphthona venustula (Kutschera, 1861)

Strelcha, ab. Hisarya, ab. vill. Dolno Panicherevo, m. h. „Fenera“, m. h. „Bogdan“, m. h. „Pavel Deliradev“, m. h. „Shindara“ (GRUEV, 1992). Distribution: Europe, Caucasus, Turkey. E/ME

Argopus bicolor Fischer von Waldheim, 1824

ab. Stara Zagora (NEDELKOV, 1909 – *Sphaeroderma cardui*); ab. Chirpan (GRUEV, TOMOV, 1965 – *Argopus ahrensis*). Distribution: Poland (South-East), Slovakia, Hungary, Ukraine, Rumania, Serbia, Croatia, Bulgaria, Caucasus. E/ME

Batophila moesica Heikertinger, 1848

ab. Koprivshitsa, below s. Bogdan, m. h. „Fenera“ (GRUEV, 1992). Distribution: mountains of Bulgaria and Rumania. E/SEE (mt)

Chaetocnema arenacea (Allard, 1860)

Hisarya (WARCHALOWSKI, 1974). Distribution: Mid, South and South-East Europe, Caucasus, Turkey, North-West Africa. E/ME

Chaetocnema arida Foudras, 1860

Hisarya (WARCHALOWSKI, 1974). Distribution: Mid West and South Europe, Caucasus, Turkey, North-West Africa. E/ME

Chaetocnema aridula (Gyllenhal, 1827)

Hisarya (GRUEV, 1992). Distribution: Europe, Caucasus, Turkey, Middle Asia, all Siberia, North-West Africa. S/EAP/HPal

Chaetocnema concinna (Marsham, 1802)

Koprivshitsa (GRUEV, 1992). Distribution: Europe, Palaeartic Asia (excl. Japan), Algeria. S/EAP/HPal

Chaetocnema conducta (Motschulsky, 1838)

vill. Korten (GRUEV, 1992). Distribution: Mid, West, South and East Europe, Caucasus, Turkey, Armenia, Iran, Syria, Israel, Turkmenistan, Kazakhstan, Middle Asia; whole Africa. SWAs/SbIn/IT

Chaetocnema hortensis (Geoffroy, 1785)

Koprivshitsa, vill. Pesnopoly, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Palaeartic Asia (excl. Japan), Madeira, South Arabia, North-West Africa, Chad, Sudan. S/EAP/HPal

Chaetocnema montenegrina Heikertinger, 1912

Hisarya, ab. Stara Zagora (GRUEV, 1992). Distribution: South-East Europe, Turkey, Armenia, Turkmenistan, Iran, Afghanistan, Middle Asia. SWAs/SbIn/IT

Chaetocnema picipes Stephens, 1831

vill. Korten (GRUEV, TOMOV, 1986 – *Chaetocnema heikertingeri*). Distribution: Europe, Caucasus, Turkey, Iran, Kazakhstan, Middle Asia, Siberia, Mongolia, China, Korea. S/EAP/TrPal

Chaetocnema tibialis (Illiger, 1807)

Hisarya, ab. vill. Dolno Panicherevo, s. Bogdan (GRUEV, 1992). Distribution: Europe, Palaeartic Asia eastwards to the Baikal area; North Africa. S/EAP/SibE

Crepidodera aurata (Marsham, 1802)

Panagyurishte (CHORBADZHIEV, 1929, 1930 – *Chalcoides aurata*); Strelcha, ab. Chirpan, vill. Korten, vill. Pesnopoly, ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: Europe, Palaeartic Asia (excl. Japan), Morocco. S/EAP/HPal

Crepidodera aurea (Geoffroy, 1785)

vill. Turiya (YOAKIMOV, 1904 – *Chalcoides helxines*); ab. Stara Zagora, ab. vill. Dolno Panicherevo,

m. h. „Pavel Deliradev“ (GRUEV, 1992). Distribution: Europe, Caucasus, Turkey, Cyprus, Iran, Kazakhstan, Middle Asia, West Siberia, Transbaikalia. S/EAP/SibE

Dibolia carpathica Weise, 1893

Hisarya, m. h. „Bogdan“ (GRUEV, 1979, 1983). Distribution: East and South-East Europe, Caucasus, Turkey, Kazakhstan. S/EAP/SibE

Dibolia femoralis Redtenbacher, 1849

Hisarya (GRUEV, 1992). Distribution: Mid and South Europe, Caucasus, Turkey, Rhodos. E/ME

Dibolia occultans (Koch, 1803)

Sredna Gora Mts. (MOHR, 1981); m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Caucasus, Turkey, North-West Africa. E/ME

Epitrix intermedia Foudras, 1860

Strelcha, ab. Stara Zagora (GRUEV, 1992). Distribution: Mid, South and East Europe, Caucasus, Turkey. E/ME

Epitrix pubescens (Koch, 1803)

Sredna Gora Mts. (YOAKIMOV, 1904 – *Crepidodera pubescens*); m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Azores, Caucasus, Turkey, Cyprus, Iran, Israel, Kazakhstan, Middle Asia, West Siberia. S/EAP/SibE

Longitarsus aeneicollis (Faldermann, 1837)

ab. Stara Zagora, m. h. „Fenera“ (GRUEV, 1992 – *Longitarsus suturalis*). Distribution: whole Europe, Turkey, Iran, Iraq, Syria, Israel, Lebanon, Kazakhstan, Middle Asia, North-West Africa. E/ME

Longitarsus albineus (Foudras, 1860)

Strelcha (GRUEV, 1973). Distribution: South Europe, southern parts of Mid Europe, Caucasus, Turkey, Cyprus, Rhodos, Iran, Iraq, Israel, Tajikistan, Uzbekistan, North Africa. SWAs/SbIn/IT

Longitarsus apicalis (Beck, 1817)

m. h. „Fenera“ (GRUEV, 1969 a). Distribution: Europe, Caucasus, Canary Isls., West, Middle and South Siberia. S/EAP/SibE

Longitarsus ballotae (Marsham, 1802)

Strelcha (GRUEV, 1992). Distribution: West, Mid, South and East Europe, Turkey, Cyprus, Syria, Israel, Jordan, Iran, Kazakhstan, Altai, Mongolia, North Africa, Yemen. S/EAP/SSibE

Longitarsus bertii Leonardi, 1973

Strelcha (GRUEV, 1971 – *Longitarsus ferrugineus*); ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: Mid, South-East and East Europe, Italy, Caucasus, Turkey, Turkmenistan, Cyprus, Syria, Israel, Iran. E/ME

Longitarsus echii (Koch, 1803)

ab. Stara Zagora (NEDELKOV, 1909); below s. Bogdan (GRUEV, 1969 a). Distribution: Mid, South and East Europe, Canary Isls., Turkey, Afghanistan. E/ME

Longitarsus exoletus (Linnaeus, 1758)

ab. Stara Zagora (GRUEV, 1992). Distribution: whole Europe, Turkey, Iran, Turkmenistan, Afghanistan, Syria, Cyprus. E/ME

Longitarsus foudrasi Weise, 1893

Hisarya (WARCHALOWSKI, 1974). Distribution: Mid and South Europe, Palaeartic Asia (excl. Japan), North-West Africa. S/EAP/TrPal

Longitarsus holsaticus (Linnaeus, 1758)

ab. Stara Zagora (GRUEV, 1992). Distribution: Europe, Palaeartic Asia. S/EAP/TrPal

Longitarsus kutscherae (Rye, 1872)

Koprivshtitsa (GRUEV, TOMOV, 1986). Distribution: Europe, Palaeartic Asia (excl. Japan), Algeria. S/EAP/HPal

Longitarsus linnaei (Duftschmid, 1825)

vill. Korten, m. h. „Fenera“ (GRUEV, 1968 a). Distribution: Mid and South Europe, Caucasus, Turkey, Iran, Syria, Israel. E/ME

* **Longitarsus longipennis** Kutschera, 1863

Ihtiman, 23.VI.2004. Distribution: Mid and South Europe, Caucasus, Asia Minor, Kazakhstan, Middle Asia, Siberia. S/EAP/TrPal

Longitarsus luridus (Scopoli, 1763)

s. Bogdan (GRUEV, 1969 a); Hisarya, ab. Stara Zagora, ab. vill. Dolno Panicherevo, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Palaeartic Asia eastwards to Vladivostok. S/EAP/TrPal

Longitarsus lycopi (Foudras, 1860)

Strelcha (GRUEV, 1969 a); ab. Stara Zagora, vill. Korten, ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: Europe, Turkey, Iran, Iraq, Kazakhstan, Middle Asia, Syria, Israel, Jordan, Saudi Arabia, Yemen, North Africa, Chad. E/ME

Longitarsus melanocephalus (De Geer, 1775)

Strelcha (GRUEV, 1969 a); ab. vill. Dolno Panicherevo, s. Bogdan, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Palaeartic Asia eastwards to Transbaikalia. S/EAP/TrPal

Longitarsus minusculus (Foudras, 1860)

vill. Korten (GRUEV, TOMOV, 1986). Distribution: Mid, South and East Europe, Daghestan, Turkey. E/ME

Longitarsus niger (Koch, 1803)

ab. Stara Zagora (NEDELKOV, 1909). Distribution: Europe, Caucasus, Turkey. E/ME

Longitarsus nigrofasciatus (Goeze, 1777)

Strelcha, ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: from Europe to West Siberia; North-West Africa. S/EAP/SibE

Longitarsus obliteratedus (Rosenhauer, 1847)

Koprivshtitsa (GRUEV, 1968 a, 1973 a). Distribution: Mid, South and South-East Europe, Caucasus, Turkey, Syria, Israel, Jordan, Iran. E/ME

Longitarsus pellucidus (Foudras, 1860)

ab. Stara Zagora (GRUEV, 1992). Distribution: Europe, Palaeartic Asia eastwards to the Sayan Mts. and Mongolia. S/EAP/SibE

Longitarsus pratensis (Panzer, 1794)

Hisarya, vill. Pesnopoi, ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: whole Europe, Palaeartic Asia eastwards to Middle Asia. E/ME

Longitarsus reichei (Allard, 1860)

p. „Panagyurski kolonii“ (GRUEV, 1992); ab. Stara Zagora (GRUEV, MERKL, 1992). Distribution: Europe, Caucasus, Turkey, Iran. E/ME

Longitarsus scutellaris (Mulsant et Rey, 1873)

Strelcha, Koprivshtitsa, ab. vill. Dolno Panicherevo, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Caucasus, Turkey, Siberia, Mongolia. S/EAP/SibE

Longitarsus tabidus (Fabricius, 1775)

Hisarya (WARCHALOWSKI, 1974). Distribution: from Europe to West Siberia, Sayan Mts. and Mongolia, North-West Africa. S/EAP/SibE

Mantura obtusata (Gyllenhal, 1813)

Strelcha, m. h. „Shindara“ (GRUEV, 1992). Distribution: Europe, Caucasus. E/ME

Mantura rustica (Linnaeus, 1767)

ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: Europe eastwards to the Russian Far East; Pakistan. S/EAP/TrPal

Neocrepidodera ferruginea (Scopoli, 1763)

ab. Stara Zagora (NEDELKOV, 1909 a – *Crepidodera ferruginea*); Hisarya, vill. Starosel, p. „Panagyurski kolonii“ (GRUEV, 1992 – *Asiolestia ferruginea*). New material: Ihtiman, 23.VI.2004. Distribution: Europe, Azores, Caucasus, Turkey, Iran. E/ME

Neocrepidodera transversa (Marsham, 1802)

ab. Stara Zagora (NEDELKOV, 1909 – *Crepidodera transversa*). Distribution: Europe, Turkey, Cyprus, Iran. E/ME

Phyllotreta astrachanica Lopatin, 1977

Strelcha, vill. Pesnopoi (GRUEV, 1982). Distribution: Mid, South and East Europe, Caucasus, Turkey, Cyprus, North-West Kazakhstan. E/ME

Phyllotreta atra (Fabricius, 1775)

Strelcha, ab. vill. Dolno Panicherevo, m. h. „Fenera“ (GRUEV, 1992). Distribution: Europe, Palaeartic Asia with the Kurils (excl. Japan); Morocco. S/EAP/HPal

Phyllotreta cruciferae (Goeze, 1777)

Strelcha, Hisarya, vill. Pesnopoi, vill. Korten (GRUEV, 1992). Distribution: from the whole Europe to West Siberia, Sayan Mts. and Mongolia; North Africa, Ethiopia, Sudan. S/EAP/SibE

Phyllotreta diademata Foudras, 1860

Strelcha, ab. Stara Zagora (GRUEV, 1992). Distribution: from the whole Europe to Central Asia; recorded also from North India (Sikkim). S/EAP/SibE

Phyllotreta nemorum (Linnaeus, 1758)

Strelcha (GRUEV, 1992). Distribution: Europe, Palaeartic Asia (excl. Japan). S/EAP/SibE

Phyllotreta nigripes (Fabricius, 1775)

Strelcha, Hisarya, ab. vill. Dolno Panicherevo, vill. Korten, s. Bogdan (GRUEV, 1992). Distribution: whole Europe, Palaeartic Asia eastwards to Middle Asia; North Africa. E/ME

Phyllotreta ochripes (Curtis, 1837)

ab. Stara Zagora, ab. vill. Dolno Panicherevo, vill. Korten (GRUEV, 1992). Distribution: Europe, Palaeartic Asia (excl. Japan). S/EAP/TrPal

Phyllotreta striolata (Fabricius, 1803)

m. h. „Bogdan“ (GRUEV, 1992). Distribution: Europe, Asia, Indonesia. S/EAP/TrPal

Phyllotreta undulata Kutschera, 1860

vill. Pesnopoi (GRUEV, 1992). Distribution: whole Europe, Palaeartic Asia (excl. Japan). S/EAP/TrPal

Phyllotreta vittula (Redtenbacher, 1849)

Hisarya, ab. Stara Zagora, ab. vill. Dolno Panicherevo, vill. Ivan Vazovo, vill. Pesnopoi, p. „Panagyurski kolonii“, m. h. „Bogdan“ (GRUEV, 1992). Distribution: whole Europe, Palaeartic Asia (excl. Japan). S/EAP/TrPal

Podagrica fuscicornis (Linnaeus, 1767)

ab. Stara Zagora (NEDELKOV, 1909); Starozagorski bani (GRUEV, 1992). Distribution: Europe (without the northern parts), Turkey, Syria, Israel, Lebanon, North-West Africa, Canary Isls. E/ME

Podagrica malvae (Illiger, 1807)

Strelcha, Hisarya, Starozagorski bani, vill. Starosel, ab. vill. Dolno Panicherevo, vill. Korten (GRUEV, 1992). Distribution: Mid and South Europe, Caucasus, Turkey, Iran, Iraq, Syria, Jordan, Israel, Cyprus. E/ME

Podagrica menetriesi (Faldermann, 1837)

ab. Chirpan (NEDELKOV, 1909 – *Podagrica fuscipes*). Distribution: Mid and South Europe, Caucasus, Turkey, Rhodos, Iraq, Kazakhstan, Middle Asia, West China. SWAs/SbIn/IT

Psylliodes affinis (Paykull, 1799)

Strelcha, ab. Stara Zagora (GRUEV, 1992). Distribution: Europe, Caucasus, Kazakhstan, West Siberia, Morocco. S/EAP/SibE

Psylliodes chrysocephalus (Linnaeus, 1758)

ab. Stara Zagora (NEDELKOV, 1909); Hisarya (ANGELOVA, 1967). Distribution: whole Europe, Turkey, Rhodos, Syria, Israel, Jordan, Lebanon, North-West Africa, Azores, Madeira, Cabo Verde Isls. E/ME

Psylliodes circumdatus (Redtenbacher, 1842)

ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: Mid and South Europe, Caucasus, Turkey, Near East, Iran, North Africa. E/ME

Psylliodes cupreus (Koch, 1803)

ab. Stara Zagora (CHORBADZHIEV, 1929, 1930; GRUEV, 1992). Distribution: Europe, Palaeartic Asia eastwards to Transbaikalia; North-West Africa. S/EAP/SibE

Psylliodes dulcamarae (Koch, 1803)

ab. Stara Zagora, m. h. „Fenera“ (GRUEV, 1992). Distribution: from Europe to West Siberia. S/EAP/SibE

Psylliodes hyoseyami (Linnaeus, 1758)

ab. vill. Dolno Panicherevo (GRUEV, TOMOV, 1986). Distribution: Europe, Palaeartic Asia (excl. Japan). S/EAP/TrPal

Psylliodes instabilis Foudras, 1860

ab. Stara Zagora (GRUEV, 1992). Distribution: Mid and East Europe, Caucasus, Turkey, Cyprus, Israel, North-West Africa. E/ME

Psylliodes kiesenwetteri Kutschera, 1864

Hisarya (GRUEV, TOMOV, 1986); ab. vill. Dolno Panicherevo (GRUEV, 1992). Distribution: South-East Europe, Italy, Austria, Turkey. E/SbM/ESbM

Psylliodes napi (Fabricius, 1792)

ab. Stara Zagora (NEDELKOV, 1909). Distribution: Europe, Palaeartic Asia (excl. Japan), North-West Africa. S/EAP/HPal

Psylliodes puncticollis Rosenhauer, 1856

Hisarya (WARCHALOWSKI, 1974 – *Psylliodes luteola*). Distribution: Spain, France, Italy, Balkan Peninsula, Algeria, Tunisia. M/HM

Psylliodes tricolor Weise, 1888

ab. Stara Zagora (GRUEV, 1992). Distribution: from Europe to the Baikal area; Morocco. S/EAP/SibE

Sphaeroderma testaceum (Fabricius, 1775)

ab. Stara Zagora (GRUEV, TOMOV, 1986). Distribution: Europe, Caucasus, Azerbaijan, Cyprus. E/ME

Subfamily HISPINAE

Hispa atra Linnaeus, 1767

ab. Stara Zagora (NEDELKOV, 1909 – *Hispella atra*); Strelcha, Hisarya, vill. Starosel, ab. vill. Dolno Panicherevo, m. h. „Shindara“ (GRUEV, 1992). Distribution: from Europe to North China; North Africa. S/EAP/SibE

Subfamily CASSIDINAE

Cassida atrata Fabricius, 1787

Koprivshtitsa (GRUEV, 1967). Distribution: Mid and South-East Europe, Caucasus, Turkey. E/ME

Cassida canaliculata Laicharting, 1781

Starozagorski bani (GRUEV, 1967). Distribution: from East France to East Kazakhstan (mainly in the basin of Danube and in Ukraine). S/EAP/SibE

Cassida denticollis Suffrian, 1844

p. „Panagyurski kolonii“ (GRUEV, 1967). Distribution: from the British Isls. to East Kazakhstan, Siberia and Mongolia. S/EAP/SibE

Cassida flaveola Thunberg, 1794

Sredna Gora Mts. (YOAKIMOV, 1904); m. h. „Bogdan“ (GRUEV, 1967). Distribution: Europe, Palaeartic Asia east wards to the Russian Far East. S/EAP/TrPal

Cassida nebulosa Linnaeus, 1758

ab. vill. Dolno Panicherevo (GRUEV, 1967). Distribution: from the British Isls. to Japan. S/EAP/TrPal

Cassida nobilis Linnaeus, 1758

Strelcha, ab. Chirpan, ab. vill. Dolno Panicherevo, vill. Korten (GRUEV, 1967); m. h. „Bogdan“ (GRUEV, 1992). Distribution: Palaeartictis (incl. Japan). S/EAP/TrPal

Cassida pannonica Suffrian, 1844

Starozagorski bani (ANGELOV ET AL., 1964). Distribution: Mid, South and East Europe, Caucasus, Turkey, North Kazakhstan, Middle Asia, North China. SWAs/SbIn

Cassida parvula Boheman, 1854

ab. Stara Zagora (NEDELKOV, 1909 – *Cassida vittata*). Distribution: European part of South Russia, Ukraine, Bulgaria, Caucasus, Kazakhstan, Kirghizstan, Mongolia, Tibet, China. EAS/CAs (steppe)

Cassida prasina Illiger, 1798

Strelcha (GRUEV, 1967); Hisarya, Koprivshitsa, Starozagorski bani, ab. vill. Dolno Panicherevo, vill. Korten, p. „Panagyurski kolonii“, m. h. „Fenera“, m. h. „Bogdan“, m. h. „Pavel Deliradev“, m. h. „Shindara“ (GRUEV, 1992). Distribution: Europe, Turkey, Kazakhstan, Siberia, West China. S/EAP/SibE

Cassida rubiginosa Mueller, 1776

Hisarya (WARCHALOWSKI, 1974); Strelcha, ab. Chirpan, ab. vill. Dolno Panicherevo, m. h. „Fenera“, m. h. „Pavel Deliradev“, m. h. „Bogdan“, p. „Panagyurski kolonii“ (GRUEV, 1992). Distribution: Palaearctis; Taiwan. S/EAP/HPal

Cassida sanguinolenta Mueller, 1776

ab. Chirpan (NEDELKOV, 1909); m. h. „Pavel Deliradev“ (GRUEV, 1992). Distribution: Europe, Palaeartic Asia eastwards to Kamchatka. S/EAP/TrPal

Cassida stigmatica Suffrian, 1844

p. „Panagyurski kolonii“ (GRUEV, 1967). Distribution: from North Spain, West France and Belgium to North China. S/EAP/SibE

Cassida subferruginea Schrank, 1776

ab. Stara Zagora, ab. Chirpan (NEDELKOV, 1909 – *Hypocassida subferruginea*); Starozagorski bani, vill. Korten (GRUEV, 1992). Distribution: Palaearctis. S/EAP/TrPal

Cassida vibex Linnaeus, 1767

Starozagorski bani, ab. Chirpan, ab. vill. Dolno Panicherevo (GRUEV, 1967). Distribution: Europe, Palaeartic Asia (incl. Japan). S/EAP/TrPal

Cassida viridis Linnaeus, 1758

Strelcha, ab. Chirpan, ab. vill. Dolno Panicherevo, vill. Korten, m. h. „Fenera“, m. h. „Bogdan“, m. h. „Pavel Deliradev“, p. „Panagyurski kolonii“ (GRUEV, 1992). Distribution: Palaearctis. S/EAP/HPal

Zoogeographical composition

The taxa are zoogeographically classified after GRUEV, 1988, 1990, 1994 [in: GRUEV, KUZMANOV, 1994], 1995, 1999 [in: GRUEV, KUZMANOV, 1999], 2000, 2000 a, 2002, 2002 a, 2002 b, in press (a, b, c, d) and GRUEV, BECHEV, 2000 as follows (see the abbreviations at the Faunistic list): **Siberian complex (S)** – 112 (H – 1, HPal – 13, TrPal – 38, SibE – 54, SSibE – 6), **European complex (E)** – 84 (ME – 57, ME (mt) – 2, SEE (mt) – 2, HSbM – 10, ESbM – 13), **Southwestasiatic complex (SWAs)** – 16 (SbIn – 6, IT – 6, AsM – 3, Eux – 1), **Euroasiatic steppe complex (EAS)** – 1 (CA – 1), **Mediterranean complex (M)** – 1 (HM – 1), **Endemics** – 6 (BnE – 3, BgE – 2), **Introduced** – 1.

REFERENCES

- ANGELOV, P., GRUEV, B., TOMOV, V. 1964. Neue Chrysomelidaearten für die Fauna bulgariens. – Trav. Sci. Ecole Normale Superieure – Plovdiv (Bulgaria), 11, Biol., 2: 83-85 (in Bulgarian with summary in German)
- ANGELOVA, R. 1967. Biologische Untersuchung über *Psylliodes chrysocephala* L. – Wissensch. Arb. Landwirtsch. Hochschule „Wassil Kolarow“, Plovdiv. Fac. Wein- und Gartenbau, 16, 12: 229-240
- CHORBADZHIEV, P. 1928. Belezhki varhu nyakoi novi i redki vidove nasekomi v Balgariya, nablyudavani prez 1926 i 1927 g. – Izvestiya na Balgarskoto entomologictshno druzhestvo, IV: 125-134 (in Bulgarian)
- CHORBADZHIEV, P. 1929. Nepriyatelite po kulturnite pasteniya v Balgariya prez 1927 g. – Svedeniya po zemedeliето, X, 3-4: 3-59 (in Bulgarian)
- CHORBADZHIEV, P. 1930. Belezhki varhu nyakoi vredni nasekomi po kulturnite rasteniya v Balgariya prez 1928 i 1929 g. – Izvestiya na Balgarskoto entomologitshno druzhestvo, V: 63-106 (in Bulgarian)
- CHORBADZHIEV, P. 1930 a. Ottshet na entomologitsheskata sektsiya pri Darzhavnata zemedelska opitna stantsiya v Sofiya za 1927 i 1928 g. – Godishen ottshet na Darzhavnata zemedelska opitna stantsiya v Sofiya za 1927 i 1928 g., Sofiya, pp. 207-277 (in Bulgarian)
- CHORBADZHIEV, P. 1932. Nepriyatelite po kulturnite rasteniya v Balgariya prez 1928 i 1929 g. – Svedeniya po zemedeliето, XIII, 1-2: 3-64; 3-4: 3-48 (in Bulgarian)
- GRUEV, B. 1967. Über die Arten der Unterfamilie Cassidinae (Chrys., Col.) in Bulgarien. – Acta musei macedonici scientiarum naturalium, Skopje, XI, 2 (92): 17-37
- GRUEV, B. 1968. A contribution on the fauna of Chrysomelinae (Chrysomelidae, Col.) in Bulgaria. – Natura, Ecole Normale Superieure, Plovdiv (Bulgaria), Zoologie, II, 1: 115-117
- GRUEV, B. 1968 a. New species of Halticinae (Chrysom., Col.) for the fauna of Bulgaria. – Trav. Sci. Ecole Normale Superieure – Plovdiv (Bulgaria), 6, Biol., 2: 155-156 (in Bulgarian with summary in English)
- GRUEV, B. 1969. On the species of the genus *Phaedon* in Bulgaria. - Trav. Sci. Ecole Normale Superieure – Plovdiv (Bulgaria), 7, Biol., : 177-180 (in Bulgarian with summary in English)
- GRUEV, B. 1969 a. A contribution on the genus *Longitarsus* in Bulgaria (Crysom., Halticinae). - Trav. Sci. Ecole Normale Superieure – Plovdiv (Bulgaria), 7, Biol., 1: 173-175 (in Bulgarian with summary in English)
- GRUEV, B. 1971. Für die Fauna bulgariens neue Arten der Unterfamilie Halticinae (Col., Chrysom.). – Mitteil. Dtsch. Ent. Gesellschaft, Berlin, 30, 5/6: 58-59
- GRUEV, B. 1973. Neue Angaben über die Systematik und Verbreitung einiger paläarktischen Arten der Gattung *Longitarsus* Latr. mit Beschreibung einer neuen Art aus Bulgarien (Coleoptera, Chrysomelidae). – Trav. Sci. Univ. Plovdiv (Bulgaria), 11, Biol., 5: 105-124
- GRUEV, B. 1973 a. Über die Einheit der *Longitarsus lycopi*-Gruppe und der

- Longitarsus obliteratus*-Gruppe mit Notizen über Verbreitung, Nomenklatur und diagnostische Merkmale einigen Arten, sowie Beschreibung von zwei neuen Arten (Coleoptera, Chrysomelidae). - Trav. Sci. Univ. Plovdiv (Bulgaria), 11, Biol., 5: 127-145
- GRUEV, B. 1976. Eine neue *Chrysomela*-Art aus der Türkei und Bemerkungen über *Chrysomela fallaciosa* Müller, 1948 (Coleoptera, Chrysomelidae). – Acta zoologica bulgarica, 5: 75-78
- GRUEV, B. 1977. Neue Angaben über einige paläarktischen Blattkäfer und Beschreibung von zwei neuen Alticinen aus Bulgarien (Coleoptera, Chrysomelidae). - Acta zoologica bulgarica, 8: 65-73
- GRUEV, B. 1979. Chrysomelidae (Coleoptera) jugoslaviens (Unterfamilien: Lamprosomatinae, Eumolpinae, Chrysomelinae, Alticinae, Hispinae, Cassidinae). – Dtsch. Ent. Z., N. F., 26, I-III: 113-152
- GRUEV, B. 1982. Neue Angaben über einige Blattkäfer aus der Alten Welt (Insecta, Coleoptera, Chrysomelidae). – Faun. Abh. Mus. Tierk. Dresden, 9, 8: 109-114
- GRUEV, B. 1988. Check-list and zoogeography of the species of Alticinae (Coleoptera, Chrysomelidae) of the Bulgarian Black Sea side. - Trav. Sci. Univ. Plovdiv "Paissi Hilendarski", 26, Biol., 6: 79-134 (in Bulgarian with summary in English)
- GRUEV, B. 1990. Mountain leaf beetles of Eumolpinae, Chrysomelinae and Alticinae (Coleoptera, Chrysomelidae) in Bulgaria. Fauna and zoogeography. – Trav. Sci. Univ. Plovdiv, 28, Biol., 6: 27-61 (in Bulgarian with summary in English)
- GRUEV, B., 1992. Geographical distribution of the leaf beetle subfamilies Lamprosomatinae, Eumolpinae, Chrysomelinae, Alticinae, Hispinae and Cassidinae (Coleoptera: Chrysomelidae) on the Balkan Peninsula. – Plovdiv University Press. 510 pp.
- GRUEV, B. 1994 [in: GRUEV, B., KUZMANOV, B., 1994]. General biogeography. - University Press „St. Kliment Ohridski“, Sofia. 498 pp. (in Bulgarian)
- GRUEV, B. 1995. About the Mediterranean faunistic complex in Bulgaria. – Ann. Univ. Sofia „St. Kliment Ohridski“, Fac. Biol., Book 1 – Zoology, Tom 86-87: 75-82
- GRUEV, B. 1999 [in GRUEV, B., KUZMANOV, B. 1999]. General biogeography. – Plovdiv University Press. 344 pp.
- GRUEV, B. 2000 Southeuropean peninsular endemism of *Alticinae* (Coleoptera: Chrysomelidae). – Trav. Sci. Univ. Plovdiv, 36, Animalia, 6: 35-50
- GRUEV, B. 2000 a. About the Submediterranean zone of the Palaearctic realm and the Submediterranean faunistic element in Bulgaria. – Trav. Sci. Univ. Plovdiv, 36, Animalia, 6: 73-94
- GRUEV, B. 2002 . About the Central European faunistic mountain element in Bulgaria. – Historia naturalis bulgarica, 14: 17-27 (in Bulgarian with summary in English)
- GRUEV, B. 2002 a. About the Pontic faunistic element in Bulgaria. – Historia naturalis bulgarica, 15: 31-40

- GRUEV, B. 2002 b. A comparative study on Alticinae (Coleoptera: Chrysomelidae) in the Balkan Peninsula and Asiatic Turkey. Causes of the similarities and the differences of the fauna. – Trav. Sci. Univ. Plovdiv, 38, Animalia, 6: 49-79
- GRUEV, B. (in press a). The leaf beetles (Insecta: Coleoptera, Chrysomelidae) of the Pirin Mountain (Bulgaria).
- GRUEV, B. (in press b). The leaf beetles (Insecta: Coleoptera, Chrysomelidae) of the Rila Mountain (Bulgaria)
- GRUEV, B. (in press c). The leaf beetles (Insecta: Coleoptera, Chrysomelidae) of the Western Rhodopes (Bulgaria and Greece)
- GRUEV, B. (in press d). The leaf beetles (Insecta: Coleoptera, Chrysomelidae) of the Stara Planina Ridge and the Fore-Balkan (Bulgaria)
- GRUEV, B., BECHEV, D. 2000. Zoogeographical belonging of the leaf beetle species of Lamprosomatinae, Eumolpinae, Chrysomelinae, Alticinae, Hispinae and Cassidinae (Coleoptera: Chrysomelidae) and their distribution in the biogeographical regions of Bulgaria. – Trav. Sci. Univ. Plovdiv, 36, Animalia, 6: 5-34
- GRUEV, B., MERKL, O. 1992. To the geographic distribution of the *Longitarsus pratensis*-group (Coleoptera, Chrysomelidae: Alticinae). – Folia entomologica hungarica, LII: 15-20
- GRUEV, B., TOMOV, V. 1965 (GRUEV, B., TOMOV, W. 1965). Für die Fauna Bulgariens unbekannt und seltene Arten von Blattkäfern. - Mitteil. Dtsch. Ent. Gesellschaft, Berlin, 24, 5/6: 82-83
- GRUEV, B., TOMOV, V. 1986. Coleoptera, Chrysomelidae. II. Chrysomelinae, Galerucinae, Alticinae, Hispinae, Cassidinae. – In: Fauna bulgarica. Aed. Academie scientiarum bulgaricae, Sofia. 387 pp. (in Bulgarian)
- GRUEV, B., TOMOV, V. 1998. Coleoptera: Chrysomelidae. – In: Catalogus faunae bulgaricae, Sofia, Pensoft. 160 pp.
- MOHR, K.-H. 1981. Revision der paläarktischen Arten der Gattung *Dibolia* Latreille, 1829 (Coleoptera, Chrysomelidae, Halticinae). – Polskie pismo entomologiczne, 51: 393-469
- NEDELKOV, N. 1909. Peti prinos kam entomologitshnata fauna na Balgariya. – Sbornik za narodni umotvoreniya, nauka i knizhnina, Sofia (Bulgaria), 25: 1-37 (in Bulgarian)
- NEDELKOV, N. 1909 a. Nashata entomologitshna fauna. – Arhiv MNP, Sofia (Bulgaria), 1, 3 (Neofitsialen otdel): 83-135
- TOMOV, V. 1970. Über die Arten der Unterfamilie Criocerinae (Chrysomelidae, Col.) in Bulgarien. – Fragmenta balcanica, Skopje, VII, 12 (170): 105-113
- TOMOV, V. 1971. Some new and rare species of genus *Cryptocephalus* Geoffr. (Col., Chrysomelidae) for the fauna of Bulgaria and the Balkan Peninsula. - Trav. Sci. Ecole Normale Superieure – Plovdiv (Bulgaria), 9, Biol., 2: 151-154 (in Bulgarian with summary in English)
- TOMOV, V. 1973. New species of genus *Donacia* F. (Col., Chrysomelidae) for the fauna of Bulgaria. - Trav. Sci. Univ. Plovdiv (Bulgaria), 11, Biol., 2: 147-148
- TOMOV, V. 1976. New and little known species of Chrysomelidae (Col.) for the fauna

- of Bulgaria. - Trav. Sci. Univ. Plovdiv (Bulgaria), 14, Biol., 4: 179-181
- WARCHALOWSKI, A. 1974. Übersicht der Blattkäfer bulgariens (Coleoptera, Chrysomelidae). - Polskie pismo entomologiczne, 44, 3: 473-542
- YOKIMOV, D. 1899. Prinos kam faunata ot nasekomi na Rila planina. – Perioditshno spisanie na balgarskoto knizhovno druzhestvo, Sofia (Bulgaria), 59: 758-778 (in Bulgarian)
- YOKIMOV, D. 1904. Prinos kam balgarskata fauna na nasekomite. - Sbornik za narodni umotvoreniya, nauka i knizhnina, Sofia (Bulgaria), 20: 1-43 (in Bulgarian)

**ЛИСТОЯДИТЕ (INSECTA: COLEOPTERA: CHYSOMELIDAE)
НА СРЕДНА ГОРА. ФАУНА И ЗООГЕОГРАФИЯ**

Благой А. Груев

*ПУ „Паусий Хилендарски“, Катедра Зоология,
ул. Цар Асен 24, 4000 Пловдив*

(Резюме)

В Средна гора са установени 220 вида и подвида листояди до сега. От тях 54 се съобщават тук за първи път за фауната на планината. Зоогеографски таксоните се отнасят към следните фаунистични групи: Сибирски комплекс – 112, Европейски комплекс – 84, Югозападноазиатски комплекс – 16, Евроазиатски степен комплекс – 1, Медитерански комплекс – 1, Ендемити – 5, Интродуцирани – 1.