

ON THE *CHRYSOLINA* SPECIES (CHRYSOMELIDAE:  
CHRYSOMELINAE: DORYPHORINI) FROM THE NEW LEAF  
BEETLES COLLECTION OF “GRIGORE ANTIPA” NATIONAL  
MUSEUM OF NATURAL HISTORY, BUCHAREST (ROMANIA)

(PART I)

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The present paper contains data regarding the species of *Chrysolina* Motschulsky, 1860 (Chrysomelidae: Chrysomelinae) preserved in the New Leaf Beetles Collection of “Grigore Antipa” National Museum of Natural History, Bucharest (Romania). 17 species and subspecies belonging to 13 subgenera are provided. Among the rare species preserved in this collection, *Chrysolina carpathica carpathica* (Fuss, 1856), *Chrysolina marcasitica turgida* (Weise, 1882), *Chrysolina lichenis* (Richter, 1820), and *Chrysolina geminata* (Paykull, 1799) should be mentioned. *Chrysolina didymata didymata* (Scriba, 1791) and *Chrysolina orientalis* (Olivier, 1807) are newly introduced species in the Museum Collections.

*Keywords:* Coleoptera, leaf beetles, collection, natural heritage, “Grigore Antipa” Museum.

INTRODUCTION

The genus *Chrysolina* Motschulsky, 1860 is a very large and diverse group of leaf-beetles that is mainly distributed in Europe, Asia, and Africa. Larvae and adults feed on herbaceous plants (Bieńkowski, 2004). Almost 450 species belonging to 65 subgenera have been recognized, and new species are still being described (Bieńkowski, 2001; Bourdonné *et al.*, 2013; Jurado-Rivera & Petitpierre, 2015). A small number of species are found in North America, including the introduced European ones. Some species were introduced into Australia (Bieńkowski, 2001). Fifty six species and subspecies are known from Eastern Europe (Bieńkowski, 2004).

According to the Catalogue of Palaearctic Coleoptera [(Kippenberg (2010), in Löbl & Smetana, 2010)], forty six species and subspecies of *Chrysolina* are mentioned in Romania.

In the “Grigore Antipa” National Museum of Natural History, Bucharest, material from the *Chrysolina* genus is preserved in the Old Collection of Palaearctic Coleopterans (including specimens acquired by the museum between 1883–1923) and in the New Leaf-Beetles Collection, which was formed starting in 2016.

So far, three contributions regarding the New Chrysomelidae Collection have been published. They present data on 85 species from the following subfamilies: Donaciinae (Donaciini, Haemoniini, and Plateumarini tribes), Criocerinae, Cassidinae (Cassidini and Hispini tribes) and Chrysomelinae (Chrysomelini tribe) (Maican & Serafim, 2016, 2017, 2018).

#### MATERIAL AND METHODS

The New Chrysomelidae Collection of the “Grigore Antipa” National Museum comprises:

– material that was not included in the Collection of Palaearctic Coleopterans. This material is part of collections of Deszö (Dénes) Kenderessy (1846–1881?), Edmund Reitter (1845–1920), Arnold Lucien Montandon (1852–1922), Friedrich Deubel (1845–1933), Richard Canisius (1872–1934), Emil Váradi (?-?) and Nicolae Săvulescu (1920–1992).

– material collected by the specialists of the “Grigore Antipa” Museum and their collaborators during various research projects on the Romanian fauna, carried out between 1951 and 2021;

– material collected during the scientific expeditions “Taurus” 2005, “Focida” 2006 and “Bolkar” 2009 (Turkey), “Punia”, 2006 (Tunisia), “Sabka” 2010 (Syria), and “Merzouga” 2013 (Morocco). These expeditions were organized by the “Grigore Antipa” Museum in collaboration with the “Oceanic Club” Society in the Mediterranean basin, as part of the “Romanian contributions to the study of the Mediterranean fauna” project;

– specimens donated by Igor Ceianu (1925–2000), Mihai Șerban Procheș, Viorel Ungureanu, Vladimir Brădescu, and Victor Gheorghiu.

A part of the material of Chrysomelidae were published by Negru & Roșca (1967), Negru (1968), Roșca (1974), Maican & Serafim (2001, 2004, 2009, 2012, 2015), Maican (2006, 2007 a, b), Ungureanu *et al.* (2008), Serafim & Maican (2004, 2008, 2011), Stan *et al.* (2016), Maican *et al.* (2019).

The species identification was made by Atena Roșca (1930–1976), Igor Ceianu (1925–2000), Ștefan Negru (1923–1970), Cristina Hoinic (1967–1997), Sanda Maican, Rodica Serafim, Mauro Daccordi.

The material was identified according to the keys of Warchałowski’s papers (2003, 2010). The stereomicroscope Zeiss Stemi 2000-C was used to identify the

specimens, and photos were taken with the Canon EOS R10, camera's lens Canon EF 100mm f/2.8L Macro IS USM. The nomenclature and systematics are in accordance with the Catalogue of the Palaearctic Coleoptera (Löbl & Smetana, 2010).

The paper presents the results of the study of 2,187 specimens of *Chrysolina* preserved in the New Chrysomelidae collection of the “Grigore Antipa” National Museum of Natural History, Bucharest.

For each mentioned species, information on the collecting date (in chronological order) and localities, the number of the specimens, the names of the collectors, and the general distribution are provided. Additionally, host plants, based on literature data are presented for most species.

*Abbreviations:*

coll. – collection; don. – donation; f.c. – forest chalet; Mt. (Mts) – Mountain/Mountains; m a.s.l. – meters above sea level; spec. (s) – specimen/specimens.

**Names of the collectors:** A.Ru. - Adrian Ruicănescu; A.V. - Adriana Văraru; A.F.P. - Alexandra Florina Popa; A.C. - Alin Constantinescu; A.M. - Amelia Marcus; A.K. - Ana-Maria Krapal; A.B. - Anca Bănărescu; A.D. - Andreea Drăghici; A.Du. - Angelica Dumitru; A.P. - Angela Petrescu; A.Ps. - Angela Petrișor; A.L.M. - Arnold Lucien Montandon; A.R. - Atena Roșca; Au.P. - Aurel Papadopol; A.P.G. - Aurelian Popescu-Gorj; A.S. - Aurora Stănescu; A.I. - A. Igna; C.S. - Cătălin Stanciu; Cl.S. - Cleopatra Sterghiu; C.P. - Corneliu Pârvu; C.A. - Costică Adam; C.B. - Cristina Ban (Calefariu); C.C. - Cristina Constantinescu; C.H. - Cristina Hoinic; D.D. - Dan Dumitrescu; D.G. - D. Gârlea; D.K.K. - Daniel Kazimir Kurzeluk; D.K. - Deszö (Dénes) Kenderessy; D.L. - Dochița Lupu; D.R. - Dorel Ruști; D.M. - Dumitru Murariu; E.D. - Elena Dumitrescu; E.I. - Elena Iorgu (Pisică); E.R. - Elena Rusu; E.V. - Emil Váradi; F.C. - Florența Crăciunescu; Fr.D. - Friedrich Deubel; G.A. - Gabriela Andrei; G.C. - Gabriel Chișamera; G.R. - George Romanca; I.C. - Igor Ceianu; I.S. - Igor Sienkiewicz; I.A. - Ioana Andreescu; I.Ca. - Ioana Cacoveanu; I.M. - Ioana Matache; I.D. - Ion Drăghia; I.N. - Ioan Nemeș; I.Șt.I. - Ionuț Ștefan Iorgu; L.M. - Liviu Moscaliuc; L.O.P. - Luis Ovidiu Popa; M.C. - Maria Cantoreanu; M.V. - Maria Vasiliu; M.W. - Medeea Weinberg; M.S. - Melanya Stan; M.Ba. - Mihaela Barcan (Achim); M.B. - Mihai Băcescu; M.Ș.P. - Mihai Șerban Procheș; Mi.S. - Mihai Stănescu; M.A. - Mircea Andrei; N.R. - Năstase Rădulet; N.C. - Nicolae Ciubuc; N.G. - Nicolae Gâldean; N.S. - Nicolae Săvulescu; O.P. - Oana Popa; P.L. - Pompiliu Lie; R.P.M. - Răzvan Popescu-Mirceni; R.Z. - Răzvan Zaharia; R.C. - Richard Canisius; R.S. - Rodica Serafim; S. - Spătaru; Șt.N. - Ștefan Negru; Șt.T. - Ștefan Torcea; T.S. - Tiberiu Sahlean; V.G. - Victor Gheorghiu; V.I.R. - Victoria Iuga Raica; V.G. - Viorel Gavril; V.U. - Viorel Ungureanu; V.B. - Vladimir Brădescu; X.S.P. - Xenia Scobiola Palade.

**Abbreviations of the county names:** AB – Alba; AG – Argeș; BC – Bacău; BN – Bistrița Năsăud; BR – Brăila; BH – Bihor; BV – Brașov; BZ – Buzău; CS – Caraș Severin; CL – Clărești; CJ – Cluj; CT – Constanța; DB – Dâmbovița; DJ – Dolj; GL – Galați; GJ – Gorj; GR – Giurgiu; HD – Hunedoara; HR – Harghita; IF – Ilfov; IL – Ialomița; IS – Iași; MH – Mehedinți; MM – Maramureș; MS – Mureș; NT – Neamț; PH – Prahova; SB – Sibiu; SJ – Sălaj; SM - Satu Mare; SV – Suceava; TL – Tulcea; TR – Teleorman; VS – Vaslui; VL – Vâlcea; VN – Vrancea. București – Bucharest.

## RESULTS AND DISCUSSION

There are 17 species and subspecies of *Chrysolina*, belonging to 13 subgenera (*Chalcoidea*, *Chrysolina*, *Chrysomorpha*, *Colaphodes*, *Colaphoptera*, *Colaphosoma*, *Cyrtochrysolina*, *Eurythrochrysa*, *Euchrysolina*, *Fastuolina*, *Heliostola*, *Hypericia*, and *Ovosoma*), preserved in the New Chrysomelidae Collection at the “Grigore Antipa” National Museum.

Most of the specimens were collected in Romania, and only a small number come from outside our country (Bulgaria, Hungary, Morocco, Poland and Turkey).

Among the rare species preserved in this collection, we mention: *Chrysomela carpathica carpathica* (Fuss, 1856), *Chrysolina marcasitica turgida* (Weise, 1882) *Chrysolina lichenis* (Richter, 1820), and *Chrysolina geminata* (Paykull, 1799).

Family Chrysomelidae Latreille, 1802

Subfamily Chrysomelinae Latreille, 1802

Tribe Doryphorini Motschulsky, 1860

Subtribe Chrysolinina S. H. Chen, 1936

Genus *Chrysolina* Motschulsky, 1860

### *Chrysolina (Chalcoidea) marginata marginata* (Linnaeus, 1758)

**Material:** 1 spec., Hațeg Mts (Hatzeger Gebirge) (HD), without other data, coll. Fr.D.; 1 spec., Târgoveț ?, VI.1939; Pasărea Forest, Brănești (IF), 29.III.1951, N.S. (1 spec.), 7.VII.1952, N.S. (4 spec.), 21.V.1954, N.S. (1 spec.); 2 specs, Murfatlar (CT), 24-25.IX.1951, N.S.; 1 spec., Sibiu (SB), 5.IX.1953, X.S.P.; 1 spec. Paltinu, Vama Forest District (SV), 9.IX.1958, don. I.C.; 1 spec., Greci (TL), 26.V.1961, X.S.P.; Agigea (CT), 29.V.1962, N.S. (1 spec.), 27.V.1963, A.P.G. (1 spec.); 1 spec., Tecuci (GL), 5.VI.1954, N.S.; 3 specs, Hagieni Forest (CT), 7-18.VI.1964, N.S.; 1 spec., Sasca Montană, Valley of the Nera River (CS), 28.VI.1961, A.M.; 1 spec., Ilgani de Jos (TL), 16.IX.1964; 2 specs, Bulgaria, Boyana, Valchi Dol, Varna province, 15.IX.1966, Șt.N.; Roman (NT), 12.VII.1967 (1 spec.), 2.VI.1969 (1 ex.); 1 spec., Valea Rea, Baiului Mts (PH), 24.VIII.1967, Șt.N.; 2 specs, Perchiu hill (BC), 12.VI.1971; 1 spec., Zăvestreni Forest (TR), 15.VI.1979, R.S.; 2 specs, Valea Teilor (TL), 22.V.1997, R.S.; Luncavița, Valea Fagilor (TL), 23.V.1997, C.H. (1 spec.), 24.V.2005, C.B.; 32 specs, Celic Dere Monastery (TL), 20-24.V.1997, R.S., C.H.; 3 specs, Izvoarele (TL), 21.V.1997, C.H.; 1 spec., Ciucurova Forest (TL), 22.V.1997, C.H.; 2 specs, Valley of the Frumușeău River, 7 km upstream Crasna Vișeuului (MM), 23.VI.1997, R.S., C.P.; 1 spec., Repedea f.c., Repedea (MM), 29.VI.1997, A.S.; 1 spec., Poienile de sub Munte (MM), 30.VI.1997, I.M.; 1 spec., Ocna Șugatag (MM), 16.VII.1998, M.Ș.P.; 1 spec., Cerna, Măcin Mountains National Park, 26.V.2005, G.A.

**Distribution:** Europe, Asia (Turkey) (Löbl & Smetana, 2010); the Caucasus, Mongolia (Bieńkowski, 2010).

**Host plants:** Asteraceae (*Artemisia*, *Achillea*, *Chrysanthemum*, *Matricaria*, *Leucanthemum*), Fabaceae (*Astragalus*) (Bieńkowski, 2010).

***Chrysolina (Chrysolina) bankii* (Fabricius, 1775)**

**Material:** Morocco, “Merzouga” Expedition: 2 specs., Mouley Idriss (34°02'59"N, 005°32'35"W, 438 m a.s.l.), 11.05.2013, C.S.; 2 specs., Dchar, Beni Mtir, bank of Oued el Abiod River (34°08'54"N, 004°21'19"W, 264 m a.s.l.), 12.05.2013, C.P., C.S.; 1 spec., Berkane Province, Valley of Moulouya River, 14.05.2013, R.P.M.; 6 specs., Valley of Moulouya River, 20 km west of Saidia (35°07'20"N, 002°20'38"W), 14.05.2013, C.S.; 1 specs., Ksabi, Moulouya, Valley of Moulouya River (35°51'53"N, 004°16'43"W, 1004 m a.s.l.), 22.05.2013, G.C.

**Distribution:** the native range of *C. bankii* is the Mediterranean region (North Africa: Algeria, Canary Islands, Morocco, Tunisia). In Europe, it is distributed in France, Great Britain, Italy, Malta, Madeira Archipelago, Portugal, Spain, and Switzerland (Kippenberg, op. cit.). According to Cox (2007) and Beenen & Roques (2010), *C. bankii* is an alien species in Europe.

**Host plants:** *Plantago lanceolata*, *Ballota nigra*, *Mentha* and other Lamiaceae (Beenen & Roques, op. cit.); *Rosmarinus officinalis* (Lamiaceae) and *Dittrichia viscosa* (Asteraceae) (Petitpierre, 2020); *Carduus defloratus*, *Centaurea solstitialis*, *Cirsium palustre*, *Clinopodium nepeta*, *Genista scorpius*, *Marrubium vulgare*, *Melissa officinalis*, *Mentha longifolia*, *M. rotundifolia*, *M. suaveolens*, *Pallenis maritima*, *Plantago coronopus*, *P. ilagopus*, *Ranunculus repens*, *Salsola vermiculata*, *Silybum marianum*, *Teucrium fruticans* (<https://bladminerders.nl/>).



Fig. 1. *Chrysolina bankii*.

***Chrysolina (Chrysolina) rufa crassicollis (Suffrian, 1851)***

**Material:** 1 spec., Postăvaru Mt. (Schuler Gebirge) (BV), without other data, coll. Fr.D.

**Distribution:** Bulgaria and Romania (Löbl & Smetana, 2010).

**Host plants:** -

***Chrysolina (Chrysolina) staphylaea staphylaea (Linnaeus, 1758)***

**Material:** 1 spec., Cerhat Forest (SM), 23.V.1962, don. I.C.; 1 spec., Poland, Malbork (Vistula Delta), 25.IV.1967, Șt.N.; 1 spec., Buru, Trascău Mts (CJ), 3.V.1980, G.A.; 1 spec., the confluence of the Tisza and Vișeu rivers (MM), 24.VII.2004, R.S.

**Distribution:** coast of Barents Sea, Polar Urals, Ob river area (northern part), Yakutia (middle part), the Caucasus, Eurasia, North America (Bieńkowski, 2010); most of Europe (except the Iberian Peninsula, Albania, Greece, Turkey); North Africa (Lybia) (Löbl & Smetana, 2010).

**Host plants:** Asteraceae, Ranunculaceae, Plantaginaceae, Lamiaceae, Scrophulariaceae. In Altai, also found on *Hypericum* (Hypericaceae) (Bieńkowski, 2010).

***Chrysolina (Chrysomorpha) cerealis cerealis (Linnaeus, 1767)***

**Material:** 6 specs, Cernavodă (CT), without other data, coll. R.C.; 1 spec., Sinaia (PH), without other data, coll. R.C.; 3 specs, Adjud (VN), 7-22.III.1961; 5 specs, Tulnici (VN), 22.VII.1962, A.R.; 1 spec., Canaraua Fetii (CT), 11.V.1964, N.S.; 10 specs, Vizireanu Hill, to the east of the Muddy Volcanoes (Vulcanii noroioși) (BZ), 508 m a.s.l., 15.VI.2004–1.X.2005, don. V.U.

**Distribution:** the typical subspecies, *C. cerealis cerealis* occurs in western, central and northern Europe: Albania, Austria, Bosnia and Herzegovina, Bulgaria, Great Britain, Croatia, Czech Republic, Denmark, Finland, German, Georgia, Greece, Hungary, Finland, France, Iceland, Latvia, Macedonia, the Netherlands, Norway, Russia North European territory, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, Serbia, and Montenegro (Löbl & Smetana, 2010).

**Host plants:** Asteraceae (*Artemisia*), Lamiaceae (*Thymus*) (Bieńkowski, 2010); Lamiaceae (*Clinopodium*, *Mentha*; *Origanum*, *Satureja montana*, *Sideritis*, *Thymus praecox polytrichus*, *T. pulegioides* (<https://bladmineerders.nl/>)).

***Chrysolina (Colaphodes) haemoptera haemoptera (Linnaeus, 1758)***

**Material:** 11 specs, Novaci (GJ), without other data, coll. R.C.; 1 spec., Bran (Törzburg) (BV), without other data, coll. R.C.; 1 spec., Transylvania, without

other data, coll. D.K.; 2 specs, Hațeg (HD), without other data, coll. D.K.; 1 spec., Mireșu Mare (Nagynyires) (MM), 1940, without other data, coll. E.V.; 1 spec., Jigodin, Miercurea Ciuc (HR), 9.VII.1953; 1 spec., Sinaia, Valea Rea (PH), 12.X.1953; 5 specs, Azuga (PH), 13.X.1953; 1 spec., Ceahlău Mt. (NT), 14.IX.1954, N.S.; 1 spec., Vidra (VN), 3.IX.1960, A.R.; 1 spec., Sinaia (PH), 11.VII.1960, A.R.; 2 specs, Adjud (VN), 22.III.1961; 1 spec., Greșu (VN), 21.VII.1962, A.R.; 1 spec., București, 22.IX.-1.X.1962, A.R., A.P.G.; 4 specs, Cloșani (GJ), 4.VI.1965, don. I.C.; 1 spec., Măneciu (PH), 25.IX.1967, X.S.P.; 1 spec., Dumbrava Roșie (NT), 2.V.1968; 1 spec., Sinaia, Cumpătul (PH), 29.VI.1969, A.R.; 1 spec., Eșelnița (MH), 29.IX.1969, Șt.N.; 1 spec., Mraconia, near Orșova (MH), 31.III.1970, Șt.N.; 1 spec., Roman (NT), 6.IX.1971; 5 specs, Cheia Resort (PH), 22.IX.1971, D.M.; 1 spec., Eforie Sud (CT), 16.IX.1974, A.P.G.; 4 specs, Sfântu Gheorghe (TL), 18-20.IX.1961, M.W.; 1 spec., Hinova Forest (MH), 7.VI.1984, I.M.; 1 spec., Moisei, Izvorul lui Dragoș f.c. (MM), 14.IX.1995, M.S.; 1 spec. Dealul Balauru, Izvorul Dulce, Beceni (BZ), 3.III.2003, don. V.U.; 1 spec., Pârscov, near Pârjolești (BZ), 29.03.2003, V.U.

**Distribution:** from the taiga to the steppe area, Europe, the Caucasus, Asia Minor, Iran (Bieńkowski, 2010).

**Host plants:** Plantaginaceae (*Plantago*), Rubiaceae (*Galium*), Scrophulariaceae (*Linaria*) (Bieńkowski, 2010).



Fig. 2. *Chrysolina haemoptera*.

***Chrysolina (Colaphoptera) hemisphaerica* (Germar, 1817)**

**Material:** 1 spec., Tâmpa Mt. (Kapellenberg), Braşov (BV), without other data, coll. Fr.D.

**Distribution:** from northern and central Germany, Carpathians and Sudetes (Warchałowski, 2010).

**Host plants:** -



Fig. 3. *Chrysolina hemisphaerica*.

***Chrysolina (Colaphosoma) sturmi* (Westhoff, 1882)**

[*goettingensis* Linnaeus, 1761, nec Linnaeus, 1758; *diversipes* (Bedel, 1892);  
*haemoptera* Fabricius, 1792 nec Linnaeus, 1758; *violacea* auct. nec Müller, 1776]

**Material:** 2 specs, Bran (Törzburg) (BV), 1 spec., without other data, coll. R.C.; 1 spec., Buştenari, Telega (PH) without other data, coll. R.C.; 5 specs, Bucureşti, without other data, coll. R.C.; 1 spec., Transylvania, without other data, coll. D.K.; 1 spec., Haţeg (HD), without other data, coll. D.K.; 1 spec., Mireşu Mare (Nagynyires) (MM), 1940, without other data, coll. E.V.; 1 spec., Bârnova (IS), V.1950; 1 spec., Gemenea, Voineşti (DB), 1.VI.1950, X.S.P.; Pasărea Forest, Brăneşti (IF), 4.V.1951, N.S. (3 specs), 6.VIII.1962, A.R. (1 spec.), 29.IV.1963, A.R. (1 spec.), 9.IV.1970 (1 spec.), 3.V.1998, C.P. (1 spec.); 1 spec., Herculane Baths (Băile Herculane) (CS), 10.VI.1951, N.S.; 1 spec., Lacul Sărat (BR), 22.V.1952, NS; Căldăruşani, (IF), 17.X.1954, X.S.P (1 spec.), 29.III.-21.IV.1958, A.R. (4 specs), 29.VI.15.VII.1959, A.R., I.S. (2 specs), 9.VI.1978, R.S. (1 spec.);



Periș (IF), 19.VI.1956, V.I.R. (1 spec.), 18.VI.1959, A.R., V.I.R. (2 specs), 7.VII.1964, A.R.); 2 specs, Luncavița (TL), 26.VI.-27.VII.1956, X.S.P.; Budești (CL), 5.VII.1957, A.R. (1 spec.), 6.VI.1979, A.Du. (3 specs), 25.V.1980, R.S. (1 spec.); 2 specs, Săbăreni (GR), 17.V.1958, X.S.P., I.S.; 1 spec., Valu lui Traian (CT), 6.VII.1959, X.S.P.; 2 specs, Mogoșoaia Forest (IF), 4.VI.1960-27.V.1961, A.R.; 1 spec., Suceava (SV), 28.III.1961, I.N.; 4 specs, Sasca Montană, Nera Valley (CS), 28.VI.1961-24.VI.1962, A.M., E.D.; 1 spec., Făgăraș (BV), 17.V.1962, X.S.P.; 1 spec., Băneasa Forest, București, 20.IV.1962, A.R.; 6 specs, Pustnicu Forest, Pasărea Lake (IF), 5.VII.1962, A.R.; 1 spec., Predeal (BV), 27.X.1964; București, 13.III.1966, N.S. (1 spec.), 6.VI.1975, A.R. (1 spec.); 1 spec., Brănești (IF), 29.IV.1963, A.R.; 1 spec., Gârbovu (GJ), 30.VII.1968; 1 spec., Bașta (NT), 29.IV.1969; 1 spec., Piscul Rusului (IS), 22.VI.1969; 1 spec., Jupalnic (MH), 4.VII.1969, Șt.N.; 1 spec., Eșelnița (MH), 29.IX.1969, Șt.N.; 2 specs, Tușnad Baths (Băile Tușnad) (HR), 19.VII.-7.VIII.1970, X.S.P.; 1 spec., Valley of the Nera River (CS), 24.VII.1970, M.B.; 1 spec., Cheia, Ciucaș Mts (PH), 22.IX.1971, D.M.; 3 specs, Lepșuleț Chalet, Vrancea Mts (VN), 21.VI.1972, D.L.; 1 spec., Bârlad (VS), 13.VI.1973, A.R.; Comana Forest (GR), 1.VI.1977, G.A. (3 specs), 11.VIII.1979, G.A. (2 specs), 15.V.2005, V.U. (1 spec.), 16.VII.2005, E.I. (3 specs); 1 spec., Marila (Oravița) (CS), 1.VIII.1977, N.S.; 1 spec., Căscioarele Forest, Dealu (IF), 7.VI.1979, I.A.; 4 specs, Pintenoaia Forest, Corbii Mari (IF), 21.VI.1979, D.L.; 3 specs, Bârla (AG), 18.VIII.1979, R.S.; 1 spec., Trascău Mts (CJ), 30.IV.1980, G.A.; 2 specs, Gura Motrului (MH), 19.VII.1983, C.P.; 3 specs, between Borlova and Târgu Ruieni (CS), IX.1992, P.L.; 1 spec., Tismana (GJ), 31.VII.1992, G.A.; 1 spec. Hagieni Forest (CT), 22.V.1993, Mi.S.; 1 spec., Negureni Forest (CT), 24.VII.1993, M.A.; 1 spec., Cheile Baciului (CJ), 500 m a.s.l., 1.V.1995, A.Ru.; 1 spec., Bucharest, Botanical Garden, 23.VI.1998, M.Ș.P.; 1 spec., Caraș Gorges (CS), 19.IX.2000, E.R. ; 1 spec., Harțașu, Hărțăgelu Chalet, Nehoiașu, Buzău Mts, 15.VIII.2002, don. V.U.; 1 spec., Poienile de sub Munte, the confluence of the Rica and Budescu Rivers (MM), 14.VI.2003, C.P.; 1 spec., Unguriu, Măgura (BZ), 1.VII.2003, don. V.U.; 1 spec., Belciugatele (CL), 14.IX.2005, don. V.U.; 1 spec., Cetățuia, Găujani (GR) (Danube river at kilometer 516), 26.IV.2004, M.S.; 1 spec., Malu (GR) (Danube river at kilometer 508), 27.IV.2004, C.P.; the Cama Islet (the Danube River at kilometer 510) (GR), 26.IV.2004, Mi.S (2 specs), 7-16.VI.2004, M.S., C.P. (3 specs); 3 specs, Slobozia (IL), 10.VI.2004, M.S.; 1 spec., Mocanu Islet (the Danube River at kilometer 495) (GR), 21.VI.2004, C.P.; 2 specs, Penciu Forest, Braniștea (Danube river at kilometer 480) (GR), 22.VI.2004, C.P.; 1 spec., the confluence of the Vișeu and Tisa rivers (MM), 24.VII.2004, R.S.; 1 spec., Cernica Forest (IF), 9.IV.2006, E.I.; 1 spec., Țarcu Mts (CS), 18.VIII.2011, I.Șt.I.; 1 spec., Voineasa, Jidoaia Valley (VL), 4.IX.2014, E.I.; 1 spec., Lotrioara Valley (SB), 4.VII.2014, C.C.; 1 spec., the Valley of the Arieșul Mare river, Rodna Mts (BN), 15.VII.2020, C.C.; 1 spec., the Valley of the Fătăciunița river, Ibănești (MS), 15.IX.2020, C.C.

**Distribution:** the Baltic countries, Belarus, Ukraine, European part of the Russia: from the taiga to the steppe zone; Western Siberia, Altai; Europe, Kazakhstan, Middle Asia (Bieńkowski, 2010).

**Host plants:** Lamiaceae (*Glechoma*), Rubiaceae (*Galium*), Asteraceae (*Cirsium*), Scrophulariaceae (*Linaria*) (Bieńkowski, 2010).

***Chrysolina (Cyrtochrysolina) marcasitica turgida (Weise, 1882)***

**Material:** 1 spec., Pinu, Broșteni forest area (SV), 26.V.1958, don. I.C.; 2 specs Cristișoru, Broșteni forest area (SV), 30.V.1958, don. I.C.; 1 spec., Cioclovina de Sus (GJ), 5.VI.1959, X.S.P.; 1 spec., Rarău Mts (SV), VII.1962; 2 specs, Orșova (MH), 18.VI.1970, A.R.; 1 spec., Rusca (SV), 18.V.1978, don. I.C.; Domogled Reserve (CS), 1 - 8.VI.1978, don. I.C. (3 specs), 2.VII.1978, don. I.C. (1 spec.); Putna Valley, Broșteni forest area (SV), 2.VI.1978, don. I.C. (2 specs), 30.V.1981, don. I.C. (1 spec.), 8.VII.1981, don. I.C. (2 specs); 2 specs, artificial Vida Lake, on the Holod River (Vida) (BH), 17.VII.1986, N.G.; 1 spec., Sadu Valley, 20.V.2015, C.C.

**Distribution:** Czech Republic, Hungary, Poland, Romania, Slovakia, Ukraine (Löbl & Smetana, 2010). The mountain area of Central Europe (Bieńkowski, 2011).

**Host plants:** Apiaceae (*Chaerophyllum*), Asteraceae (*Petasites*), Geraniaceae (*Geranium*) (Bieńkowski, 2011).



Fig. 4. *Chrysolina marcasitica*.

***Chrysolina (Erythrochrysa) polita polita* (Linnaeus, 1758)**

**Material:** 1 spec., Tuşnad Baths (Băile Tuşnad) (HR), Transylvania (Siebenbürgen), without other data; 8 specs, Buştenari, Telega (PH), without other data, coll. R.C.; 1 spec., Bran (Törzburg) (BV), without other data, coll. R.C.; 2 specs, Moineşti (BC), without other data, coll. R.C.; 1 spec., Bicz (NT), 10.VII.1949, don. I.C.; 1 spec., Fundata (BV), 14.VII.1949, don. I.C.; 1 spec., Băneasa (CT), 2.V.1951, N.S.; Comana Forest (GR), 5.V.1951, N.S. (4 specs), 30.IX.1961, I.S. (1 spec.), 30.V.1962, I.S. (1 spec.), 5.VII.1972, N.S. (1 spec.), 30.V.1974, A.P.G. (1 spec.), 23.VI.1976, I.M., M.W. (7 specs), 10.VIII.1976, D.D. (4 specs), 3.V.-1.VI.1977, G.A., A.M.B. (10 specs), 11.IX.1979, A.Du. (1 spec.), 9.V.1980 (1 spec.), 4.VI.1980, C.P. (2 specs), 3.VI.1998, A.S. (2 specs); Herculane Baths (Băile Herculane) (CS), 10.VI.1951, N.S. (2 specs), 23.VII.1965, N.S. (2 specs); 3 specs, Lotrioara Valley (SB), 28.VII.1952, N.S.; Pasărea Forest, Brăneşti (IF), 30.IV.1953, N.S. (9 specs), 15.V.1961, N.S. (2 specs), 7.VII.1962, A.P.G. (1 spec.); Mogoşoaia Forest (IF), 9.V.1956, X.S.P. (6 specs), 26.V.1959, X.S.P., A.R. (4 specs), 7.V.1961, X.S.P. (1 spec.), 2 specs, 2.IX.1962, X.S.P.; 1 spec., Budeşti (CL), 2.VIII.1956, X.S.P.; Căldăruşani Forest (IF), 31.V.1957, X.S.P. (2 specs), 12.VI.1958, A.R. (3 specs), 9.VI.1978, R.S. (2 specs); 1 spec., Săbăreni (IF), 17.V.1958, I.S.; 1 spec., Pârâul Omului, Broşteni (SV), 30.V.1958, don. I.C.; 1 spec., Suceava County, 17.VI.1958, don. I.C.; 8 specs, Valley of Tufa rivulet, Baiului Mts, Sinaia (PH), 6-8.VII.1958, A.R.; Periprava, Danube Delta (TL), 24.VII.1958, I.S. (3 specs), 23.VI.1963, A.P.G. (1 spec.), 3.IX.1965, X.S.P. (1 spec.), 22.VI.1966, A.P.G., Şt.N. (2 specs); 2 specs, Poiana Țapului (PH), 10.VII.1958, AR; 1 spec., Cioclovina de Sus (GJ), 5.VI.1959, XSP; 2 specs, Periş (IF), 18.VI.1959, V.I.R.; 1 spec., Crişan, Danube Delta (TL), 18.V.1960; 3 specs, Dumbrava Forest, Sibiu (SB), 29.VI.1961, A.P.G.; 1 spec., Cişmigiu gardens, Bucureşti, 9.V.1962, A.R.; 1 spec., Rarău Mts (SV), VII.1962; 1 spec., Săcele (BV), 3.IX.1962, X.S.P.; 2 specs, Esecchioi (CT), 25.IV.-14.V.1963, N.S.; Caraorman, Danube Delta (TL), 12.V.1963, Şt.N. (1 spec.), 7-11.V.1967, X.S.P., (5 specs), 19-23.VI.1967, A.S., I.A. (3 specs); 14.VIII.1967, X.S.P. (2 specs), 5.V.1968, A.P.G. (5 specs), 13-16.V.1968, X.S.P. (2 specs), 14.VI.1968, X.S.P. (3 specs), 3.VII.1968, Şt.N. (1 spec.), 4-7.X.1968, Şt.N., X.S.P. (3 specs), 15.VI.1969, A.P.G. (1 spec.), 16-21.VII.1969, X.S.P. (4 specs); 14-29.VIII.1969, A.R., Şt.N. (5 specs), 24.VI.1991, P.G. (4 specs); 4 specs, Chitila Forest (IF), 7.V.1964, A.R.; 1 spec., Făcăi, Craiova (DJ), 1.VI.1964; Snagov Forest (IF), 19.VI.1965, M.V. (1 spec.), 10.IX.1976, don. I.C. (1 spec.); Letea Forest, Danube Delta (TL), 4.VII.1965, Şt.N. (1 spec.), 23.VI.1966, Şt.N. (4 specs); Osica de Sus (OT), 13.X.1965, M.V. (1 spec.), 29.VI.1966, Şt.T. (1 spec.); Hagieni Forest (CT), 29.X.1965, Şt.N. (3 specs), 10.VI.1975 (1 spec.), 22.VII.1987, C.P. (1 spec.), 11.VII.1992, I.M. (1 spec.), 22.V.1993, C.H., Mi.S. (2 specs); 5 specs, Voineşti (DB), 8-10.VIII.1966, A.R., X.S.P.; 1 spec., Nanov (TR), 2.X.1966, X.S.P.; 1 spec., Curtea de Argeş (AG), 21.VI.1967, I.A.; 1 spec., Fundulea (CL), 29.VI.1967, A.R.;

Crișan, Danube Delta (TL), 17-18.VIII.1967, A/R., X.S.P. (4 specs), 18.V.1968, X.S.P. (2 specs), 10.X.1968, X.S.P. (1 spec.); 1 spec., Agigea (CT), 5.VI.1968, M.V.; Eșelnița Valley (MH), 18.V.-14.VI.1969, X.S.P., A.P.G. (2 specs), 29.III.1970, Șt.N. (1 spec.), 7-19.VI.1970, A.R., X.S.P., Șt.N. (12 specs); 2 specs, Poiana Stâinii, Bucegi Mts (PH), 14.VIII.1969, A.R.; 1 spec., Sinaia, Bucegi Mts (PH), 5.VII.1970, A.R.; București, 11.V.1971 (2 specs), 6.VI.1994, A.B. (1 spec.); 1 spec., Cernica (IF), 15.V.1971; Putna Valley, Pojorâta forest area (SV), 15-18.VI.1971, don. I.C. (3 specs), 8.VI.1976, don. I.C. (1 spec.), 26.V.1980, don. I.C. (1 spec.), 11.VI.1984, don. I.C.; 1 spec., Slănic Moldova (BC), 10.VI.1971. M.W.; 1 spec., Dofteana Arboretum (BC), 11.VI.1971; 3 specs, Zboina, Vrancea Mts (VN), 26.VI.1971, X.S.P.; 3 specs, Sfântu Gherghe, Danube Delta (TL), 10-15.VIII.1971, X.S.P.; 5 specs, Focșani (Tisa) (VN), 22-27.VI.1973, A.M.; 1 spec., Albești (CT), 10.VII.1974; 1 spec., Râmnicu Vâlcea (VN), 14.VII.1974; 1 spec., Făgăraș (BV), 7.VII.1976, X.S.P.; Călugăreni (GR), 6.VII.1978 (1 spec.), 10.VII.1983, C.P. (1 spec.), 4.V.1996, C.P. (2 specs); Râioasa Forest, Tărtășești (DB), 5.X.1978, R.S. (11 specs); 1 spec., Căscioarele Forest, Dealu (IF), 7.VI.1979, G.A.; 1 spec., Buru (CJ), 6.VIII.1979, G.A.; 2 specs, Oinacu (GR), 18.VI.1979, M.A.; 1 spec., Drăgănești Vlașca (TR), 18.VI.1979, M.W.; 1 spec., Metalici (Metaliferi) Mts (HD), 2.VII.1980, G.A.; 1 spec., Crevedia (DB), 10.VII.1980, I.M.; 2 specs, Frunzaru Forest, Sprâncenata (OT), 31.VIII.1980, G.A.; 1 spec., C.A. Rosetti, Danube Delta (TL), 8.VI.1981, C.P.; 10 specs, Gâtanu sandy island in the Danube (DJ), 24.VI.1981, R.S., I.M.; Gura Motrului (MH), 1.VIII.1981, R.S., D.D. (6 specs), 21-23.VI.1983, R.S., I.M., C.P. (5 specs); 2 specs, Bâltanele (MH), 16.V.1982, D.D.; 9 specs, Desa (DJ), 4.VIII.1982, C.P.; 2 specs, Poiana Mare (DJ), 4.VIII.1982, M.W., C.P.; 3 specs, Deia, Câmpulung Moldovenesc (SV), 26.V.1983, don. I.C.; 1 spec., Caracal (OT), 9.VI.1983, D.M., 1 spec., Strehăia (MH), 22.VI.1983, R.S.; Călugăreni (GR), 10.VII.1983, C.P. (1 spec.), 18.VI.1996, C.P. (2 specs); 2 specs, Tatlageac Lake (CT), 22.VIII.1983, don. I.C.; 3 specs, Hinova Forest (MH), 7.VI.1984, R.S., I.M.; 1 spec., Târgu Cărbunești (GJ), 13.VII.1984, I.M.; 6 specs, Turulung Vii (SM), 13.VI.1985, R.S., I.M.; 3 specs, Cornetu (IF), 5.VII.1985, don. I.C.; Poiana Neamțului (SB), 700 m a.s.l., 15-22.VII.1985, I.D., R.S., I.M., I.Ca.; (28 specs), 14-15.V.1986, I.M., I.D. (6 specs); 1 spec., Avrig (SB), 16.VII.1985, R.S.; 2 specs, Valley of the Talna River, Negrești Oaș (SM), 1.VIII.1985, V.G.; 1 spec., Turnu Roșu (SB), 13.V.1986, I.M.; 1 spec., Resighea (SM), 13.V.1986, C.P.; 2 specs, Lacul Vărgat resort, Săcuieni (BH), 24.VI.1986, D.Ma.; 3 specs, Curtuișeni (BH), 25.VI.1986, N.G.; 1 spec., Călinești Oaș (SM), 21.V.1987, R.S.; 1 spec., Victoria (BV), 18.VIII.1987, V.G.; 3 specs, Cloșani, Padeș (GJ), 16-19.VI.1992, R.S., C.P.; Valley of the Bulba River, Baia de Aramă (MH), 17.VI.1992, R.S., A.P. (16 specs), 26-30.VII.1992, G.A., M.A. (2 specs); 1 spec., Valley of the Lupșa River, Motru Sec (GJ), 18.VI.1992, N.R.; 1 spec., Sohodol Gorges, Runcu (GJ), 19-21.VI.1992, C.P.; 1 spec., Tigăile Mari, Ciucaș Mts (BV), 18.VIII.1993, Mi.S.; 4 specs,

Cârțișoara, Vama Cucului (SB), 28.VII.-2.VIII.1994, C.P., C.H.; 1 spec., Strâmtura (MM), 3.VII.1995, C.P.; 5 specs, Bârsana (MM), 5.VII.1995, C.P.; 1 spec., 4 specs, Săpânța (MM), 12.VII.1996, A.S.; 3 specs, Revărsarea (TL), 23.V.1997, C.P., R.S.; Celic Dere Monastery (TL), 24.V.1997, R.S.; (3 specs), 27.V.2005, R/S. (1 spec.); 1 spec., Gura Zlata, Retezat Mts (HD), 24.V.1997, C.P.; 1 spec., Ocna Șugatag (MM), 16.VI.1998, M.Ș.P.; 1 spec., Mara (MM), 21.VI.1998; 1 spec., 2 km upstream from Mara, Desești (MM), 17.VII.1998, M.Ș.P.; 2 specs, Bistra (MM), 21.VII.1998, C.P.; 3 specs, Izvoarele resort (MM), 23.VII.1998, C.P.; 2 specs, Piatra Craiului Mts, Bârsa Valley (AG), 4.VII.2000, L.O.P.; 1 spec., Piatra Craiului Mts, Sătic, Scorobia Valley (AG), 5.VII.2000, A.V.; Caraș Gorges (CS), 19.IX.2000, E.R. (1 spec.), 7.VIII.2001, R.S. (1 spec.); 3 specs, Galeș (AG), 8-14.VII.2001, C.P.; 3 specs, Gârliște (CS), 7.VIII.2001, R.S., C.P.; 1 spec., Carașova (CS), 7.VIII.2001, C.P.; 5 specs, Piatra Craiului Mts, Zăpodia Valley, Sătic (AG), 28.VI.2002, C.P.; 1 spec., Piatra Craiului Mts, Berila Valley, Sătic (AG), 30.VI.2002, C.P.; 2 specs, Piatra Craiului Mts, Valley of Dâmbovița River (AG), 3.VII.2002, C.P.; 2 specs, Harțagu, Nehoiășu (BZ), 15-16.VIII.2002, don. V.U.; 1 spec., Leordina (MM), 15.VI.2003, R.S.; 4 specs, Valley of Hututeanca River, 11 km upstream from Crasna Vișeuului (MM), 17.VI.2003, C.P.; 1 spec., Repedea f.c., Repedea (MM), 18.VI.2003, C.P.; 1 spec., Săliște, Valley of the Idîșor Streamlet, Țibleș Mts (MM), 23.VI.2003, R.S.; 1 spec., the Elena Islet (the Danube River at kilometer 474), Gostinu (GR), 22.VI.2004, C.P.; 3 specs, Valley of the Polatiștea River (HD), 7.VII.2004, A.P.; 3 specs, Valley of the Socolău river, 2 km upstream of the confluence of the Socolău and Rica rivers (MM), 19.VII.2004, C.P.; 2 specs, the confluence of the Vișeu and Tisa rivers (MM), 24.VII.2004, R.S.; 10 specs, Făgăraș Mts, Vidraru Lake, Valea cu Pești chalet (AG), 6.VIII.2004, M.S., R.S.; 1 spec., the anthropic dam lake on the Taița River, upstream of Horia (TL), 26.V.2005, I.M.; 1 spec., Suluc Valley, Măcin Mountains National Park (TL), 27.V.2005, I.M.; 1 spec., Piatra Craiului Mts, Valea cu Apă, upstream of the Brusturet Chalet (AG), 23.VI.2005, C.B.; 1 spec., Pasărea Lake (IF), 2.V.2006, C.P.; 1 spec., Ștefești (PH), 19.VIII.2006, F.C.; 1 spec., Ogarca Forest, Vlașin (GR), 22.VI.2006, R.S.; 1 spec., Crucea de Piatră, Călugăreni (GR), 7.VI.2006, E.I.; 1 spec., Bulba Cave (MH), 24.VII.2007, A.P.; 1 spec., Ciucaș Mts (PH), 16.VII.2009, I.Șt.I.; 3 specs, Țarcu Mts (CS), 18.VIII.2011, I.Șt.I.; 1 spec., Putna Natural Park (VN), 19.IX.2012, L.M.; 1 spec., Agapia (NT), 23.V.2012, I.Șt.I.; 1 spec., Mușat Pass, Putna Natural Park (VN), 21.V.2013, I.Șt.I.; 9 specs, Valley of Băhneanu Rivulet, Putna Natural Park (VN), 29.VI.2013, C.C.; 1 spec., Sfântu Gheorghe, Danube Delta (TL), 8.IX.2013, C.C.; 1 spec., Sadu Valley (SB), 20.V.2015, L.M.; 5 specs, Lotrioara Valley (SB), 1.VII.-17.VIII.2014, C.C., E.I.; Tău Bistra (AB), 8.VIII.2014, C.C. (2 specs), 19.VI.2015, C.C. (4 specs); 2 specs, Voineasa, Jidoaia Valley (VL), 4.IX.2014, C.C.; Voineșița Valley (VL), 7.IX.2014, M.S., C.C. (3 specs), 23.VII.2015, E.I. (2 specs); 4 specs, Soveja (VN), 20.V.-27.VI.2014, C.C.; 1 spec., Gura Văii (VN), 26.VI.2014, C.C.; 4 specs,

Soveja, Chiua Mare (VN), 27.VI.2014, C.C.; 1 spec., Valley of Sebeş River (between Oaşa Lake and Şugag) (AB), 11.VII.2014, C.C.; 2 specs, Defileul Jiului National Park (GJ), 2.VII.2015, G.C.; 1 spec., Valea Măceşului (VL), 24.VII.2015, M.S.; 1 spec., Putna – Vrancea Natural Park, Lepşa, Valley of Putna Rivulet (VN), 30.V.2013, A.L.; 1 spec., Valea Strâmbă, Lepşa (VN) (46.005930°N, 26.495160°E), 30.V.2015, A.K.; 1 spec., Comana Lake (GR), 22.V.2015, A.K.; 1 spec., Dobra Valley (SB), 3.VI.2015, G.C.; 5 specs, Lepşa Chalet (VN), 26.VII.2016, C.A. ; 3 specs, Gura Teghii (45.29548°N, 26.251925°E) (BZ), 19.VI.2018, L.O.P.; 1 spec., Brebu Mănăstireni (PH), 16.VII.2018, R.S.; 4 specs, Cheile Dâmbovicioarei, Piatra Craiului National Park (45.41852°N, 025.06778°E, 983 m a.s.l.) (AG), 12–13.VII.2019, C.C., A.F.P.; 1 spec., Ostroveni (43.790709°N, 23.072019°E) (DJ), 23.VII.2019, E.I.; 1 spec., The Valley of Arieşul Mic river, Rodna Mts (BN), 15.VII.2020, C.C.; 1 spec., Valea Caselor, Maieru (BN), 17.VII.2020, C.C.; 1 spec., Bogăţii forest, Măieruş, 638 m a.s.l.; 45.5351°N, 25.2710°E (BV), 23.VII.2020, A.D.

**Distribution:** A transpalaeartic species (Bieńkowski, 2010). This is a very widespread and generally common species occurring throughout the Palaearctic region, except for the far north, and extending east through Mongolia to China. Further south, it is widespread through Iran, Iraq, and Turkey (<https://www.coleoptera.org.uk>).

**Host plants:** a range of Lamiaceae (Bieńkowski, 2010) (especially *Mentha*, *Lamium*, *Thymus*), Urticaceae (*Urtica*).

***Chrysolina (Euchrysolina) graminis graminis (Linnaeus, 1758)***

**Material:** 1 spec., Zărneşti Mts (Zernester Gebirge) (BV), without other data, coll. Fr.D.; 1 spec., Sălceni, Danube Delta (TL), 22.VII.1950, don. I.C.; 5 specs, Herculane Baths (Băile Herculane) (CS), 10.VI.1951, N.S.; 1 spec., C. A. Rosetti, Danube Delta (TL), VII.1958, don. I.C.; 1 spec. Cozieni (IF), 8.IX.1962, M.W.; 1 spec., Bucureşti, 1962, Au.P.; 6 specs, Chilia Veche, Danube Delta (TL), 7.V.1964, M.W.; Periprava, Danube Delta (TL), 9.V.1964, X.S.P. (2 specs), 5.VII.1974, A.P.G. (1 spec.); 3 specs, Mirceşti (IS), 12.VI.1967; 15 specs, Gătanu sandy island in the Danube (DJ), 24.VI.1981, I.M., R.S.; Bistreţ (DJ), 26.VI.1981, D.D. (1 spec.), 3.VI.1982, C.P. (1 spec.); 1 spec., Gura Motrului (MH), 21.VI.1983, I.M.; 1 spec., Valley of Avrig River, Poiana Neamţului Chalet, surroundings (SB), 22.VII.1985, I.Ca.; 3 specs, Valley of Little Someş (Someşul Mic) River, Gherla (CJ), 7.VI.1992, N.G.; 1 spec., Paşcani (IS), 7.V.2013, I.Şt.I.; 1 spec., Sărata (SB), 11.VII.2016, C.B.

**Distribution:** European part of the Russia (from the taiga to the semi-desert area), Siberia, North Caucasus, Western Europe, Kazakhstan, Middle Asia, Mongolia (Bieńkowski, 2010).

**Host plants:** Lamiaceae (*Mentha aquatica*, *Lycopus europaeus*), Asteraceae (*Tanacetum vulgare*, *Artemisia*) (Bieńkowski, 2010).

***Chrysolina (Fastuolina) fastuosa fastuosa* (Scopoli, 1763)**

**Material:** București, without other data, coll. R.C. (5 specs), 6.VI.1994, A.B. (1 spec.); 1 spec., Periș (IF), without other data, coll. R.C.; 3 specs, Buștenari, Telega (PH), without other data, coll. R.C.; 7 specs, Bran, (Törzburg) (BV), without other data, coll. R.C.; 2 specs, Moinești (BC), without other data, coll. R.C.; 2 specs, Constanța (CT), without other data, coll. R.C.; Mireșu Mare (Nagynyires) (MM), 1916 (2 specs), 1940 (1 spec.), 1941 (3 specs), 1942 (2 specs), without other data, coll. EV; 4 specs, without data, coll. D.K.; Comana Forest (GR), without other data, coll. A.L.M. (1 spec.), 12-22.VI.1976, M.W., I.M. (13 specs), 11-29.IX.1979, G.A., A.Du. (2 specs), 4.V.2006, C.P. (9 specs), 3.VI.1998, M.Ș.P. (1 spec.), 4.V.2006, R.S., C.P., C.B. (20 specs); Băneasa Forest, București, 8.V.1947, don. I.C. (1 spec.), 26.IV.1983, don. V.B. (1 spec.); 6 specs, Ardeluța, Tarcău (NT), 19.V.1949, don. I.C.; 3 specs, Bârnova (IS), V.1950; 2 specs, Gemenea, Voinești (DB), 1.VI.1950, X.S.P.; Herculane Baths (Băile Herculane) (CS), 10.VI.1951, N.S. (1 spec.), 23.VIII.1954, N.S. (15 specs), 29.VI.1964, N.S. (1 spec.), 20.VII.1964, don. V.B. (3 specs), 23.VII.1965 NS (2 specs), 19.VIII.1976, don. I.C. (1 spec.), 25.V.1995, don. V.B. (1 spec.); Hanu Conachi (GL), 17.VII.1950, don. I.C. (1 spec.), 17.V.1956 (23 specs); Pasărea Forest (IF), 7-8.IV.1951, N.S. (2 specs), 3.V.1998, C.P. (6 specs), 3.VI.2001, C.P. (32 specs), 2.V.2006, M.S., R.S. (39 specs); 4 specs, Sibiu (SB), 5.IX.1953; 3 specs, Petroșani (HD), 25.VI.1954, V.I.R.; 1 spec., Târgu Jiu (GJ), 26.VI.1954, V.I.R.; 1 spec. Budești (CL), 28.VI.1954, X.S.P.; 3 specs, Luncavița, Cetățuia (TL), 26-27.VI.1956, X.S.P.; 2 specs, Babadag Forest (TL), 29.VI.1956, X.S.P.; Căldărușani Forest (IF), 29.VI.-9.VII.1956, X.S.P. (6 specs), 12.VI.1958, A.R. (4 specs), 10.VI.1978, G.A. (2 specs); 1 spec., Țigănești (Ciolpani) (IF), 4.VI.1957, V.I.R.; 1 spec., Timișu de Sus (BV), 21.VI.1957, don. I.C.; 4 specs, Pinu, Broșteni forest area (SV), 5.V.-30.V.1958, don. I.C.; Săbăreni (GR), 17.V.1958, X.S.P. (1 spec.), 17.V.1968, X.S.P. (1 spec.); 1 spec., Pârâul Omului, Broșteni (SV), 30.V.1958, don. I.C.; 1 spec., Valu lui Traian (CT), 29.VI.1958, A.R.; 1 spec., Poiana Țapulului (PH), 10.VII.1958, A.R.; 2 specs, Budești (VN), 2.IX.1958, A.R.; Voinești (DB), 28.V.1959 (2 specs), 19.V.1961, A.R. (5 specs), 8.VIII.1966, X.S.P. (2 specs); 2 specs, Cernica Forest (IF), 15.VIII.1960, A.R.; 1 spec., Adjud (VN), 11.VI.1961; 7 specs, Greci (TL), 26.V.1961, X.S.P.; 2 specs, Făgăraș (BV), 17.V.1962, X.S.P.; 9 specs, Deva (HD), 8.VI.1962, A.R.; 6 specs, Vidra (VN), 18-23.VII.1962, A.R.; 1 spec., Bozovici (CS), 6.VII.1962, I.D.; 1 spec., Rarău Mts (SV), 7.IX.1962; Domogled Mt. (CS), 19.V.1963, M.W. (1 spec.), 3.VII.1968, V.B. (3 specs), 10.V.-2.VII.1978, don. I.C. (8 specs); București, 12.VII.1963, A.R. (1 spec.), 15.IX.2004, D.K.K. (1 spec.), 13.IX.2016, C.B.; 1 spec., Lunca Râmnei

(VN), 15.VII.1963; 3 specs, Budești (CL), 3.VI.1964, A.R.; 3 specs, Romanii de Jos, Horezu (VL), 7.VI.1964, M.V; 1 spec., Dumbrăveni Forest (CT), 2.IX.1964, M.W.; Sinaia (PH), 30.V.1965, A.R. (1 spec.), 28-30.VII.1969, A.R. (28 specs); 1 spec., Vadu Crișului Cave, Pădurea Craiului Mts (BH), 8.VII.1965; 1 spec., Budești, Făurei (NT), 29.V.1966; 1 spec., Topleț (CS), 8.VIII.1966, Șt.N.; 3 specs. 1 Mai Baths (BH), 1.X.1966, M.C.; 1 spec., Poiana Mărului (SV), 5.VI.1967; 2 specs, Niculițel (TL), 27.VI.1967, X.S.P.; 5 specs, Valea Lungă-Cricov (DB), 4.VIII.1967, A.R.; 2 specs, Orșova (MH), 12.VI.1968, Șt.N.; Cocoș Monastery (TL), 7.X.1968, D.D. (2 specs), 8.V.- 2.IX.1973, M.W., A.P.G., A.C. (28 specs), 10-16.V.1975, A.C. (19 specs); 8 specs, Hungary, Budapest surroundings, 18.V.-1.VI.1969, X.S.P.; 1 spec., Roman (NT), 15.VI.1969; 28 specs, Poiana Stâinii, Bucegi Mts (PH), 30.VI.-12.VIII.1969, A.R.; 1 spec., Bașta (NT), 29.V.1970; 14 specs, Eșelnița Valley (MH), 16-20.VI.1970, X.S.P., A.R., Șt.N.; 1 spec., Stejaru – Valea Ursului route (NT), 21.V.1970; 1 spec. Nucet (DB), 15.VI.1970, I.A.; 2 specs, Coronini, Băile Herculane (CS), 20.VI.1970, A.R.; 1 spec., Ogradena (MH), 21.VI.1970, A.R.; Tușnad Baths (Băile Tușnad) (HR), 7.VIII.1970, X.S.P. (1 spec.), 10.VI.1978, X.S.P. (3 specs); 1 spec., Zboina (VN), 27.VI.1971, X.S.P.; 14 specs, Vidra (Cucuieți) (VN), 30.VI.1971, X.S.P.; 2 specs, Iași (IS), 24.VII.1971; 1 spec., Giurgeni (IL), 28.IX.1971; 2 specs, Ștefăneștii de Jos (IF), 5.IX.1972, N.C.; 6 specs, Focșani (Tisa) (VN), 27.VI.1973, A.M.; 1 spec., Piatra Arsă Chalet – Peștera Ialomiței Chalet route, Bucegi Mts (PH), 27.VI.1973, D.D.; 4 specs, Albești (CT), 10.VII.1974; 4 specs, Retezat Mts (HD), 2.V.1975, G.R.; 2 specs, Chiajna (IF), 13.VI.1976, X.S.P.; 1 spec., the Western Jiu River Valley (HD), 1.VII.1976, D.G.; Mogoșoaia Forest (IF), 4.VII.1976, G.A. (9 specs), 27.IV.1980, don. V.B. (1 spec.), 10.VI.1984, C.P. (2 specs); 4 specs, Ghelmeșoaia (MH), 22.V.1977, N.S.; 2 specs, Utviniș Forest (AR), 21.VI.1977, M.A.; Zăvestreni Forest (TR), 22.VI.1977, R.S. (1 spec.), 15.VI.1979, G.A. (1 spec.); 3 specs, Dragomirești (IF), 28.V.1978, X.S.P.; 1 spec., Câmpulung Muscel (AG), 12.VI.1978, R.S.; 1 spec., Putna Valley, Pojorâta forest area (SV), 18.VII.1978, don. I.C.; 1 spec., Brădet (AG), 10.VIII.1978, M.W.; 1 spec. Dobrești (DB), 3.X.1978, D.D.; 1 spec., Gura Văii (CS), 11.VI.1978, A.P.G.; 4 specs, Râioasa Forest, Chitila (IF), 8.V.1979, R.S.; 5 specs, Buda (the village covered by the Mihăilești Cornetu dam lake waters) (IF), 2.VIII.1979, M.W.; R.S.; 1 spec., Buru (CJ), 6.VII.1979, G.A.; 1 spec., Buiacul Mare (AB), 11.VIII.1979, G.A.; 1 spec., Ciolpani (IF), 8.VIII.1980, C.P.; 1 spec., Purani (TR), 27.IX.1979, G.A.; 3 specs, Frunzaru Forest, Sprâncenata (OT), 30.VIII.1980, G.A.; 1 spec., Popești-Leordeni (IF), 12.IV.1981, C.P.; 5 specs, Tinosu (PH), 14.IV.1981, don. V.B.; 1 spec., Durău (NT), 15.VI.1981, A.DU.; 2 specs, Saru Forest (OT), 22.VI.1981, G.A.; 1 spec., Băilești (DJ), 18.VI.1982, I.M.; 4 specs, Bistreț (DJ), 25.VI.1981, R.S.; 1 spec., Putna Valley, Pojorâta forest area (SV), 2.VII.1981, don. I.C.; Gura Zlata, Retezat Mts (HD), 16.VII.1981, C.P. (7 specs), 24.VI.1997, C.P. (3 specs); Caracal (OT),



7.VIII.1981, M.W. (1 spec.), 9.VI.1983, D.M. (1 spec.); Poiana Mare (DJ), 3.VIII.1982, M.W. (3 specs), 3.VIII.1988, M.W. (1 spec.); 2 specs, Valley of Vaser river (MM), 20.VIII.1982, A.I.; 77 specs, Perișor (DJ), 22-27.IX.1982, I.D., R.S., G.A., M.A.; 4 specs, Hinova Forest (MH), 7.VI.1984, R.S., I.M.; 1 spec., Schitu Topolniței (MH), 8.VI.1984, C.P.; 4 specs, Sâmbăta de Sus, Făgăraș Depression (BV), 4.VII.1985, N.G.; 1 spec., Moftin (SM), 1.VII.1985, M.A.; Poiana Neamțului, Valley of Avrig River (SB), 700 m a.s.l., 19-22.VII.1985, R.S., I.D., I.Ca. (19 specs), 14-15.V.1986, I.M. (5 specs); 2 specs, Cărășeu (SM), 30.VII.1985, V.G.; 3 specs, Poiana Codrului (SM), 30.VII.1985, C.P.; 1 spec., Luna Șes, Negrești Oaș (SM), 1.VIII.1985, I.Ca.; 2 specs, Sebeșu de Sus (SB), 12.V.1986, I.M.; 1 spec., Victoria (BV), 18.VIII.1987, V.G.; 2 specs, Plaiul Foi, The National Park "Piatra Craiului" (BV), 28.V.-1.VI.1990, R.S.; 1 spec., Jegălia (CL), 3.VI.1992, don. I.C.; 1 spec., Șanț, Valley of Someșul Mare River (BN), 9.VI.1992; 1 spec., Cloșani, Padeș (GJ), 16.VI.1992, A.P.; 3 specs, Sohodol Gorges, Runcu (GJ), 20.VI.1992, R.S.; Hagieni Forest (CT), 13.VII. 1992, C.H.; R.S. (5 specs), 18.V.1993, C.P. (11 specs), 22.VII.1997, C.P. (3 specs); 1 spec., Babadag Forest, Slava Cercheză (TL), 18.VIII.1992, A.P.; 5 specs, Tismana (GJ), 31.VII.1992, G.A.; Negureni Forest (CT), 18.V.-24.VII.1993, C.P., C.H., G.A., M.A. (26 specs) 18.V.1994, A.P. (1 spec.), 25.VI.1995, C.P. (98 specs), 21.VI.1996, C.P. (93 specs); Canaraua Fetei (CT), 19.V.1993, M.Ba. (9 specs), 19.V.1994, G.A. (3 specs), 26.VI.1995, C.P. (1 spec.); 2 specs, Iancila Cape, Razim (Razelm) Lake (TL), 11.VI.1993, I.M.; 1 spec., Agighiol (TL), 12.VI.1993, I.M.; 1 spec., Tigăile Mari, Ciucaș Mts (BV), 18.VIII.1993, Mi.S.; 17 specs, Tomnatic (TM), 5.V.1994, P.L.; 2 specs, Trăiseni (PH), 22-28.VI.1994, A.P., G.A.; 6 specs, Cârțișoara, Vama Cucului (SB), 28.VII.-1.VIII.1994, C.P., C.H.; 3 specs, Furnica (CT), 22.VI.1995, C.P.; 1 spec., Strâmtura (MM), 3.VII.1995, C.P.; 5 specs, Bârsana (MM), 5.VII.1995, C.P.; 1 spec., Moisei, Izvorul lui Dragoș f.c. (MM), 13.VII.1995, A.S.; 2 specs, Strâmtura, Slătioara River, Berșotă Stream (MM), 7.IX.1995, C.P.; 1 spec., Florești (GR), 18.V.1996, C.P.; 1 spec., Serbia, Ceremošnja, 31.VI.1996, V.G.; 46 specs, Celic Dere Monastery (TL), 20-24.V.1997, C.H., C.P.; 5 specs, Revărsarea (TL), 23.V.1997, C/P., C.H.; 3 specs, Ciucurova Forest (TL), 22.V.1997, C.H.; Luncavița, Valea Fagilor (TL), 23.V.1997, C.H. (2 specs), 24.V.2005, R.S. (4 specs); 1 spec., Repedea F.C., Repedea (MM), 22.VI.1997, R.S.; Bistra (MM), 28.VI.1997, A.S. (2 specs), 21.VII.1998, C.P. (2 specs); 1 spec., Mara, Desești (MM), 17.VII.1997, A.V.; 2 specs, Moisei (MM), 21.VIII.1997, C.P.; 3 specs, Vișeu de Jos (MM), 22.VIII.1997, E.R.; 2 specs, Pleșca f.c., Ocna Șugatag (MM), 15.VII.1998, I.M.; 32 specs, Tătaru Dam on Mara River, Ocna Șugatag (MM), 16.VII.1998, A.Ps., M.Ș.P.; 1 spec., Rona de Sus (MM), 20.VII.1998, C.P.; 3 specs, Izvoarele resort (MM), 23.VII.1998, C.P.; 1 spec., Piatra Craiului Mts, Gura Bârsei (BV), 3.VI.2000, C.P.; 1 spec., Piatra Craiului Mts, Valley of Bârsa Groșetului River,

4 km upstream Plaiul Foi Chalet (BV), 9.VI.2000, C.I.S.; 5 specs, Piatra Craiului Mts, Piscul cu Brazi, 5.VII.2000, L.O.P.; 1 spec., Piatra Craiului Mts, Zăpodia Valley, Sătic (AG), 5.VII.2000, C.P.; Piatra Craiului Mts, Dragoslăveni Valley, 8.VII.2000, A.V. (4 specs), 25.VIII.2003, C.P. (1 spec.); 1 spec., Nera Gorges, Lindeni clearing (CS), 15.V.2002, M.S.; 1 spec., Făgăraș Mts, Vidraru Lake, Curmătura Valley (AG), 13.VI.2001, C.P.; 7 specs, Gârliște (CS), 7.VIII.2001, C.P.; 2 specs, Piatra Craiului Mts, Valea lui Ivan Chalet (AG), 27.VI.2002, C.P.; Piatra Craiului Mts, Oncioaia Valley, Sătic (AG), 30.VI.2002, R.S. (2 specs), 23.V.2004, R.S. (1 spec.); 1 spec., Harțagu, Hărțăgelu Chalet, Nehoiașu, Buzău Mts, 15.VIII.2002, don. V.U.; 1 spec., Arbănași, Beceni (BZ), 8.IV.2003, don. V.U.; Poienile de sub Munte, Coșnea (MM), 16.VI.2003, R.S., C.P. (3 specs), 25.VII.2004, C.P. (1 spec.); 2 specs, Valley of the Pop Ivan river, 11 km upstream Crasna Vișeului (MM), 17.VI.2003, R.S., D.S.; 1 spec., Valley of the Hututeanca River, 11 km upstream Crasna Vișeului (MM), 17.VI.2003, M.S.; Făina, Valley of the Vaser River (MM), 19.VI.2003, R.S., M.S. (6 specs), 21.VII.2004, R.S. (1 spec.); 3 specs, Baicu f.c., Dragomirești, Tibleș Mts, (MM), 21.VI.2003, C.P.; 1 spec., Valley of the Pălcuț Streamlet, Dragomirești, Tibleș Mts (MM), 22.VI.2003, M.S.; 1 spec., Valley of the Sfundău Streamlet, Dragomirești, Tibleș Mts (MM), 22.VI.2003, M.S.; 14 specs, Valley of the Idișor Streamlet, Săliște, Tibleș Mts (MM), 23.VI.2003, M.S., C.P.; 6 specs, Valley of the Cheia River (Valea Cheii), 4 km upstream Podu Dâmboviței (AG), Piatra Craiului National Park, 22.VIII.2003, C.P.; 1 spec., Ghimbav Gorges, Piatra Craiului National Park (BV), 24.VIII.2003, C.P.; 10 specs, Pietroșani (Danube river at kilometer 519) (GR), 28.IV.2004, M.S.; 10 specs, Izvorul Dulce, Beceni (BZ), 9.V.2004, don. V.U.; 1 spec., Maglavit Forest (DJ), 12.V.2004, M.S.; 5 specs, Zărnești Gorges, Piatra Craiului National Park (AG), 22.V.2004, C.P.; 1 spec., the Cama islet (the Danube River at kilometer 510) (GR), 16.VI.2004, M.S.; 12 specs, Slobozia (IL), 10.VI.2004, M.S.; 59 specs, at the mouth of the Jiu River, 17.V.2004, M.S.; 3 specs, Mocanu Islet (the Danube River at kilometer 495) (GR), 21.VI.2004, C.P., O.P.; 1 spec., Penciu Forest, Braniștea (Danube river at kilometer 480) (GR), 22.VI.2004, C.P.; 14 specs, the Elena Islet (the Danube River at kilometer 474), Gostinu (GR), 22.VI.2004, C.P.; 3 specs, Albina Islet (the Danube River at kilometer 410), 23.VI.2004, C.P.; 8 specs, Ineciu Forest (GR), 23.VI.2004, M.S.; 1 spec., Tarnița (GJ), 9.VII.2004, A.P.; 2 specs, the confluence of the Pop Ivan and Hututeanca rivers (MM), 18.VII.2004, C.P.; 2 specs, Unguriu, Măgura (BZ), 19.VII.2004, don. V.U.; 4 specs, Valley of the Vaser River, Făina-Bardău transect (MM), 22.VII.2004, C.P., C.B.; 30 specs, the confluence of the Vișeu and Tisa rivers (MM), 24.VII.2004, R.S.; 2 specs, Făgăraș Mts, Valley of Otic river (AG), 4.VIII.2004, R.S., M.S.; 5 specs, Făgăraș Mts, Vidraru Lake, Valley of the Buda River (AG), 4.VIII.2004, M.S.; 2 specs, Făgăraș Mts, Transfăgărășan mountain road, Capra Chalet (AG), 5.VIII.2004, M.S.; 3 specs, Făgăraș Mts, Cumpăna –

Clăbucet Mt. route (AG), 8.VIII.2004, M.S.; 1 spec., Piatra Craiului Mts, Sătic (AG), 22.VI.2005, C.B.; 9 specs, Cerna, Măcin Mountains National Park (TL), 26.V.2005, R.S., I.M., D.R.; Celic Dere Monastery (TL), 27.VI.2005, R.S., G.A. (4 specs), 6.IX.2005, E.I. (2 specs); 2 specs, București, Botanical Garden, 25.VIII.2005, E.I.; 1 spec., Smârdan (TL), 6.IX.2005, E.I.; 1 spec., Saon Monastery (TL), 8.IX.2005, E.I.; 3 specs., Manafu forest, Izvoarele (GR), 22.VI.2006, M.S.; 2 specs, Slava Rusă (TL), 19.VII.2006, I.M.; 2 specs, Sărata (SB), 4.V.2007, C.B.; 4 specs, Moara Domnească (IF), 9.VII.2008, M.S.; 2 specs, Turkey, "Bolkar" Expedition, Şamandağ (36°08'00"N, 036°02'44"E, 86 m a.s.l.), 5.V.2009, R.Z.; 1 spec., Sarichioi (TL), 16.VII.2009, E.I.; 1 spec., Soveja (VN), 20.V.2014, C.C.; 6 specs, Lotrioara Valley (SB), 1-4.VII.2014, C.C.; Tău Bistra, Sebeş Valley (AB), 8.VIII.2014, C.C. (3 specs), 19.VI.2015, C.C. (2 specs); 2 specs, Baranca Forest, Bajura (BT), 23.VIII.2014, O.P., A.K.; 1 spec., Jidoaia Valley, 4.IX.2014, C.C.; 1 spec., Tismana (GJ), 31.III.2015, M.S.; 1 spec., Râu Sadului (SB), 20.V.2015, L.M.; 1 spec., Chirnogeni (CT), 26.V.2016, C.S.; 1 spec., Mestecăniş Pass (in the south-eastern part of Obcina Mestecăniş Mountain, 1096 m alt.) (SV), 25.VII.2016, E.I.; 5 specs, Lepşa Chalet (VN), 26.VII.2016, C.A.; 1 spec., Prundu (GR), 20.V.2017, T.S.; 3 specs, Brebu (BZ), 19.VI.2018, L.O.P.; 1 spec., Gura Teghii (45.29548°N, 26.251925°E) (BZ), 19.VI.2018, L.O.P.; 4 specs, Brebu Mănăstireni (PH), 17-18.VII.2018, R.S.; 2 specs, Râuşor resort, Retezat Național Park (45°24'2877"N, 27°49'3477"E) (HD), 16.VI.2019, V.G.; 3 specs, The Valley of the Arieşul Mare river, Rodna Mts (BN), 15.VII.2020, C.C.; 1 spec., Căpeți, Sovata (MS), 12.IX.2020, M.S.; 1 spec., Moroeni (45.29548°N, 26.251925°E) (DB), 3.VIII.2021, C.S.

**Distribution:** from the taiga to the steppe area, Europe, the Caucasus, Siberia, Kazakhstan (Bieńkowski, 2010). First North American records are presented for *C. fastuosa* (Scopoli, 1763), as confirmed by vouchered specimens from Canada: Nova Scotia (Douglas *et al.*, 2023).

**Host plants:** Urticaceae (*Urtica*) (Bieńkowski, 2010); Lamiaceae: *Ballota nigra*, *Clinopodium nepeta*, *Galeopsis angustifolia*, *G. bifida*, *G. ladanum*, *G. reuteri*, *G. segetum*, *G. speciosa*, *G. tetrahit*, *Lamium album*, *L. maculatum*, *Leonurus cardiaca*, *Stachys palustris* (<https://bladmineerders.nl/>).

***Chrysolina (Heliostola) carpathica carpathica* (Fuss, 1856)**

**Material:** 1 spec., Hațeg Mts (Hatzeger Gebirge) (HD), without other data, coll. Fr.D.; 1 spec., Bucegi Mts (Bucsecs-hegység) (PH), without other data, coll. Fr.D.

**Distribution:** Europe: Romania, Ukraine; Carpathians, Sudetes, Stara Planina in Bulgaria (Lóbl & Smetana, 2010; Warchałowski, 2010).

**Host plants:** -



Fig. 5. *Chrysolina carpathica*.

***Chrysolina (Heliostola) lichenis* (Richter, 1820)**

**Material:** 2 specs Bucegi Mts (Bucsecs-hegység) (PH), without other data, coll. Fr.D.

**Distribution:** North-eastern Alps, Sudetes and Carpathians (Warchałowski, 2010).

**Host plants:** This rare alpine species appears to live on *Senecio vulgaris* (Asteraceae), on which the larvae were found (Jolivet *et al.*, 1986).



Fig. 6. *Chrysolina lichenis*.

***Chrysolina (Hypericia) didymata didymata* (Scriba, 1791)**

**Material:** 3 specs Turkey, “Bolkar” Expedition, Cortlak (36°31'18"N, 033°35'02"E, 265 m a.s.l.), 1.V.2009, C.P.

**Distribution:** Ukraine, Western Europe, Asia Minor, Armenia, Turkmenistan, the Near East (Bieńkowski, 2010).

**Host plants:** Hypericaceae (monophagous on *Hypericum*) (Bieńkowski, 2010).



Fig. 7. *Chrysolina didymata*.

***Chrysolina (Hypericia) geminata* (Paykull, 1799)**



Fig. 8. *Chrysolina geminata*.

**Material:** 1 spec., without data, coll. Fr.D.

**Distribution:** Ukraine, Belarus, Moldova, the Baltic countries, the European part of the Russia (without the Caucasus), Europe, the Caucasus (Bieńkowski, 2010).

**Host plants:** Hypericaceae (on *Hypericum*) (Bieńkowski, 2010; Jurado-Rivera & Eduard Petitpierre, 2015).

***Chrysolina (Ovosoma) orientalis (Olivier, 1807)***

**Material:** 1 spec., Turkey, Osmaniye, 1.V.1998, M.Ş.P.

**Distribution:** northern Greece, southern Turkey, Lebanon, Israel (Warchałowski, 2010).

**Host plants:** *Platanus orientalis* (Abdul-Rassoul & Ali, 1996).



Fig 9. *Chrysolina orientalis*.

#### CONCLUSIONS

Based on the material studied until now, in the New Chrysomelidae Collection of “Grigore Antipa” National Museum of Natural History, Bucharest 17 species and subspecies of *Chrysolina* from following subgenera: *Chalcoidea* (one species), *Chrysolina* (3 species), *Chrysomorpha*, *Colaphodes*, *Colaphoptera*, *Colaphosoma*, *Cyrtochrysolina*, *Eurythrochrysa*, *Euchrysolina*, and *Fastuolina* (one species for each), *Heliostola* (2 species), *Hypericia* (2 species) and *Ovosoma* (one species) are preserved. Among them, *Chrysolina didymata didymata* (Scriba, 1791) and *Chrysolina orientalis* (Olivier, 1807) are newly introduced species in the Museum Collections.

All presented data contribute to the knowledge of the *Chrysolina* species' distribution. In the next contributions, other species of *Chrysolina* will be added in New Chrysomelidae Collection of “Grigore Antipa” Museum.

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