

Checklist of the Coleoptera of Mordovia State Nature Reserve, Russia

Leonid V. Egorov^{1,2}, Alexander B. Ruchin¹, Viktor B. Semenov[†],
Oleg I. Semionenkov³, Gennady B. Semishin²

1 *The State Nature Reserve «Prisursky», Lesnoj, 9, 428034 Cheboksary, Russia* **2** *Joint Directorate of the Mordovia State Nature Reserve and National Park «Smolny», Krasnaya str., 30, 430005 Saransk, Russia* **3** *National Park «Smolensk Lakeland», Gurevich str., 19, Przhevalskoye, Demidov district, 216270 Smolensk region, Russia*

Corresponding author: Leonid V. Egorov (platyscelis@mail.ru)

Academic editor: Lyubomir Penev | Received 19 May 2020 | Accepted 15 July 2020 | Published 20 August 2020

<http://zoobank.org/62235725-FC67-4646-BBDC-2F795F1B9ABD>

Citation: Egorov LV, Ruchin AB, Semenov VB, Semionenkov OI, Semishin GB (2020) Checklist of the Coleoptera of Mordovia State Nature Reserve, Russia. ZooKeys 962: 13–122. <https://doi.org/10.3897/zookeys.962.54477>

Abstract

All 2,145 species of Coleoptera from 88 families known to occur in Mordovia State Nature Reserve, Russia, are listed, along with their author(s) and year of description using the most recent classification framework. Adventive species for European Russia are indicated. There are 31 adventive species in the reserve, comprising 1.44% of the total beetle fauna.

Keywords

Biodiversity, beetles, Coleoptera checklist, eastern Europe, Republic of Mordovia

Introduction

Rapid environmental changes due to urbanization and climate change have recently had a major impact on biodiversity (Czech et al. 2000, Kottawa-Arachchi and Wijeratne 2017, Rozhnov et al. 2019, Zamotajlov et al. 2019). In particular, the application of modern technologies in agriculture, ongoing deforestation, and changes in land use due to urbanization, cause the loss of biodiversity (Myers and Knoll 2001, Novacek and Cleland 2001,

† Deceased

Lambin et al. 2003, Kestemont 2019). That is why the value of protected area (nature reserves and national parks) is steadily increasing. Moreover, in order to preserve biodiversity, it is necessary to identify key factors determining the distribution of species in their habitats. Such studies can be carried out in territories that were little affected by human activity; these territories are called protected area (Basset et al. 2007, Grebennikov 2016). The term biodiversity hotspot is commonly used for regions or areas with high species richness, genetic richness, evolutionary important areas of origin, etc. (Reid 1998, Médail and Quézel 1999, Zagmajster et al. 2008, Silva and Ferreira 2016, Kumar et al. 2020). At the same time, in the most developed areas, such biodiversity hotspots are protected areas. Protected areas usually occupy certain areas in natural and climatic zones and include typical ecosystems of such climatic zones. In the forest natural zone, such areas are sparsely touched woodlands, these are different types of steppe areas in steppe. Currently global Protected Area Network covers approximately 14.9% of the world's terrestrial land surface (Belle et al. 2018). Inventorying all biota is the best way to study biodiversity in the area (Weibull et al. 2003, Grebennikov 2016, Negrobov et al. 2018). However, such studies may often not be carried out due to limitations in the field of human resources and, therefore, certain insect families or ecological insect groups that are bioindicators are more often used (Lindenmayer et al. 2006, Lachat et al. 2012, Pozsgai and Littlewood 2014, Polevoi et al. 2018, Prokin et al. 2019; Ruchin et al. 2019a). On the other hand, the faunal analysis of individual insect orders can be carried out for a certain time; the data generated can then be used to compile a checklist of species and further analyze the spread of species, their distribution in the territory, settlement routes, etc. This can only be done if the most diverse methods covering all ecological groups of insects are applied (Basset et al. 2007); hence this checklist of the Coleoptera (Insecta) of Mordovia State Nature Reserve, based on a variety of methods.

The Mordovia State Nature Reserve was established in 1936. It is located in the Temnikov district of the Republic of Mordovia (European Russia) on the forested right bank of the Moksha River and covers an area of 321.62 km² (Fig. 1). From the north, the border runs along the Satis River (the right tributary of the Moksha), further to the east along the Arga River, which flows into the Satis River. The western border runs along the Chernaya, Satis, and Moksha rivers. From the south, the forest-steppe approaches naturally delineating the boundary of the reserve massif. By natural zoning, the forest tract of the Mordovia State Nature Reserve belongs to the zone of coniferous-deciduous forests on the border with the forest-steppe. Forest communities occupy 89.3% of the total territory (Ruchin and Egorov 2017b). In general, the vegetation cover of the Mordovia State Nature Reserve has a taiga character with tendency towards a nemoral (broad-leaved) forest type during successions. The intermix of forest-steppe elements is typical for this territory. *Pinus sylvestris* L. is the dominant forest tree in the Mordovia State Nature Reserve. It forms pure or mixed communities in the southern, central, and western parts of the reserve. *Betula pendula* Roth stands are the second largest forest type in the reserve. These are predominantly secondary communities at the sites of cut and burnt pine forests. Especially, many young birch stands developed at places damaged by the wildfire in 2010. *Tilia cordata* Mill. stands are located mainly in the northern part of the Mordovia State Nature Reserve. These are also secondary plant communities that arose on the site of pine forests and lime-



Figure 1. Location map of the Mordovia State Nature Reserve.

spruce forests. *Quercus robur* L. forests occupy a relatively small area of the Mordovia State Nature Reserve. They are common in the Moksha River floodplain in the western part of the reserve. *Picea abies* L. and *Alnus glutinosa* (L.) Gaertn. stands are located mainly in floodplains of rivers and streams (Pushta, Vyaz-Pushta, Vorsklyai, Arga, etc.) and occupy small areas (Stojko and Senkevich 2018). Plant communities of small-leaved tree species (birch, aspen, alder) are formed in burnt forest areas (Khapugin et al. 2016, Vargot 2016, Khapugin and Ruchin 2019). The main areas of floodplain meadows are located along the Moksha River in the south-west of the Mordovia State Nature Reserve.

Previously, studies were carried out for individual orders and families of the arthropod fauna of the Mordovia State Nature Reserve, in particular for the Neuroptera and Raphidioptera (Ruchin and Makarkin 2017, Makarkin and Ruchin 2019), Hymenoptera (Ruchin and Antropov 2019), Orthoptera (Ruchin and Mikhailenko 2018) and Diptera (Chursina and Ruchin 2018a, 2018b, Astakhov et al. 2019).

Materials and methods

The work is based on the study of authors' own collections and analysis of published data. Two publications (Redikortsev 1938, Plavilshchikov 1964) were the first to describe the beetle fauna of Mordovia State Nature Reserve. In the late 1960s, xylophagous insects were studied in this area (Mozolevskaya et al. 1971, Kirsta 1974), and in the 1970s Carabidae were investigated (Feoktistov 1978, Feoktistov and Dushenkov 1982). Besides these groups, the Coleoptera fauna was hardly studied until the 2000s. More intensive research has been carried out using a variety of methods in the reserve over the past 12 years (Kurmaeva et al. 2008, Egorov et al. 2010, Feoktistov 2011, Egorov and Ruchin 2012, 2013a, 2013b, 2014, Pavlov and Ruchin 2013, Legalov et al. 2014, Egorov et al. 2015, 2016, 2017, 2018, 2019, 2020, Egorov and Semishin 2016, Egorov 2017, Sazhnev 2017, Ruchin and Egorov 2018a, 2018b, 2018d, 2018e, 2019b, Tomaszewska et al. 2018, Kazantsev et al. 2019, Ruchin et al. 2019b, 2019c, Egorov and Ruchin 2020). There are published data on individual families: Carabidae (Feoktistov 2008, Ruchin et al. 2016), Staphylinidae (Semenov 2014, Kurbatov and Egorov 2014, Semenov 2015, 2016, 2017), Scydmaenidae (Kurbatov and Egorov 2014), Curculionidae (Scolytinae) (Mandelshtam and Egorov 2017, 2018, 2019). Data on some species from the reserve are contained in faunal articles on different taxa (Ruchin and Egorov 2007, Ruchin et al. 2009, Egorov and Shapovalov 2017, Ruchin and Egorov 2017a) and in reviews of some Coleoptera families (Ruchin et al. 2013, Kovalev and Egorov 2017, Ruchin and Egorov 2018c, Ruchin et al. 2018, Ruchin and Egorov 2019a, Ruchin et al. 2019d, Zemoglyadchuk et al. 2020) of the Republic of Mordovia.

The research material was collected by the authors and their colleagues from 2008 to 2019. More than 70,000 samples were studied. Most of the Coleoptera species is stored in the collection of the Mordovia State Nature Reserve (Pushka, Republic of Mordovia) (indicated in our publications), Staphylinidae is stored in the collection of O.I. Semionenkov (Smolensk), Pselaphinae and Scydmaenidae are stored in the collection of S.A. Kurbatov (Moscow), Mordellidae is in the collection of A.V. Zemoglyadchuk (Baranovichi). Several species were transferred to the Zoological Institute of the Russian Academy of Sciences, St. Petersburg (ZIN), and to the Zoological Museum of Lomonosov Moscow State University, Moscow (ZMMU). Some species are stored in the personal collection of S.K. Alekseev (Kaluga).

In order to collect a representative material, the entire range of entomological field research methods were used included various traps such as pitfall traps, light traps, simple crown traps, flight interception traps, cow manure-baited pitfall traps, rodent burrow pitfall traps (Golub et al. 2012, Egorov and Semishin 2016, Ruchin et al. 2020).

L.V. Egorov identified most of Coleoptera taxa while V.B. Semenov and O.I. Semionenkov identified most of Staphylinidae taxa. Other scientists consulted the authors on individual taxa: S.K. Alekseev (Carabidae), A.O. Bieńkowski (Chrysomelidae), M.L. Danilevsky (Cerambycidae), A.A. Gusakov (Scarabaeidae), B.M. Kataev (Carabidae), S.V. Kazantsev (Cantharidae), A.G. Kirejtshuk (Nitidulidae), A.V. Kovalev (Eucnemidae), B.A. Korotyaev (Brentidae, Curculionidae), S.A. Kurbatov

(Pselaphinae, Scydmaenidae), A.A. Legalov (Rhynchitidae), K.V. Makarov (Carabidae), M.Yu. Mandelshtam (Scolytinae), A.S. Prosvirov (Elateridae), A.S. Sazhnev (Heteroceridae), A.M. Shapovalov (Cerambycidae), W. Tomaszewska (Anamorphidae), S.E. Tshernyshev (Byrrhidae), M.G. Volkovitsh (Buprestidae) and A.V. Zemoglyadchuk (Mordellidae).

The classification of the family-group taxa used in this checklist predominantly follows Bouchard et al. (2011) and its latest revision (Bouchard and Bousquet 2020). Changes are taken into account from the Catalogue of Palaearctic Coleoptera (Löbl and Smetana 2011, 2013, Löbl I and Löbl D 2015, 2016, 2017), and from the papers of Robertson et al. (2015) on Cucujoidea, and Alonso-Zarazaga et al. (2017) on Curculionoidea. The Scydmaenidae is considered a separate family (Kurbatov and Egorov 2012). The classification and nomenclature of Cerambycidae are given according to Danilevsky (2019). To clarify the nomenclature, the cited studies were used, as well as the Catalogue of Palaearctic Coleoptera (Löbl and Smetana 2007, 2008, 2010) and a number of more recent publications (Kazantsev 2011, Huang and Colonelli 2014, Schimmel et al. 2015, Bienkowski 2019, Nikitsky 2019, Nilsson and Hájek 2019). The years of description of some species are used as specified by Bousquet (2016). The order used in the checklist is phylogenetic for superfamilies, families, and subfamilies, starting with the accepted most basal-grade taxa, and is alphabetical for supertribes, tribes, and subtribes. Genera and species are listed alphabetically.

The authors of all scientific names are listed along with the date of publication of the taxa. To avoid confusion with authors with same last name, initials are included for some authors.

An asterisk [*] after a species name indicates that the taxon is recorded for the first time for the Mordovia State Nature Reserve and for the Republic of Mordovia, a dagger [†] denotes an adventive species in European Russia. The adventive species were specified according to Orlova-Bienkowskaja (2019). A question mark [?] in front of the species name indicates that confirmation of the record of the species in the reserve is necessary (links to publications are provided). The reference or location for some species is included in brackets {...}.

Results

Checklist of the Coleoptera (Insecta) of Mordovia State Nature Reserve (Republic of Mordovia, Russia).

Order COLEOPTERA Linnaeus, 1758

Suborder MYXOPHAGA Crowson, 1955

Superfamily SPHAERIUSOIDEA Erichson, 1845

Family SPHAERIUSIDAE Erichson, 1845

Sphaerius acaroides Waltl, 1838

Suborder ADEPHAGA Schellenberg, 1806**Family GYRINIDAE Latreille, 1810****Subfamily GYRININAE Latreille, 1810****Tribe Gyrinini Latreille, 1810**

Subtribe Gyrinina Latreille, 1810

Gyrinus (Gyrinulus) minutus Fabricius, 1798*Gyrinus (Gyrinus) aeratus* Stephens, 1835*Gyrinus (Gyrinus) marinus* Gyllenhal, 1808*Gyrinus (Gyrinus) natator* (Linnaeus, 1758)*Gyrinus (Gyrinus) substriatus* Stephens, 1828**Family CARABIDAE Latreille, 1802****Subfamily NEBRIINAE Laporte, 1834****Tribe Nebriini Laporte, 1834***Leistus (Leistus) ferrugineus* (Linnaeus, 1758)*Leistus (Leistus) terminatus* (Panzer, 1793)**Tribe Notiophilini Motschulsky, 1850***Notiophilus aquaticus* (Linnaeus, 1758)*Notiophilus biguttatus* (Fabricius, 1779)*Notiophilus germinyi* Fauvel, 1863*Notiophilus palustris* (Duftschmid, 1812)**Subfamily CARABINAE Latreille, 1802****Tribe Carabini Latreille, 1802**

Subtribe Calosomatina Bonelli, 1810

Calosoma (Calosoma) inquisitor inquisitor (Linnaeus, 1758)*Calosoma (Calosoma) investigator* (Illiger, 1798)*Calosoma (Calosoma) maderae maderae* (Fabricius, 1775)

Subtribe Carabina Latreille, 1802

Carabus (Archicarabus) nemoralis nemoralis O.F. Müller, 1764*Carabus (Carabus) arvensis baschkiricus* Breuning, 1932*Carabus (Carabus) granulatus granulatus* Linnaeus, 1758*Carabus (Carabus) tscheglowi* Mannerheim, 1827*Carabus (Hemicarabus) nitens* Linnaeus, 1758*Carabus (Limnocarabus) clathratus clathratus* Linnaeus, 1760*Carabus (Megodontus) schoenherri schoenherri* Fischer von Waldheim, 1820*Carabus (Megodontus) violaceus aurolimbatus* Dejean, 1830

Carabus (Pachystus) glabratus glabratus Paykull, 1790
Carabus (Pachystus) hortensis hortensis Linnaeus, 1758
Carabus (Procrustes) coriaceus coriaceus Linnaeus, 1758
Carabus (Tachypus) cancellatus cancellatus Illiger, 1798
Carabus (Tomocarabus) convexus convexus Fabricius, 1775
Carabus (Trachycarabus) estreicheri Fischer von Waldheim, 1820

Tribe Cychrini Perty, 1830

Subtribe Cychrina Perty, 1830

Cychrus (Cychrus) caraboides caraboides (Linnaeus, 1758)

Subfamily CICINDELINAE Latreille, 1802

Tribe Cicindelini Latreille, 1802

Subtribe Cicindelina Latreille, 1802

Cicindela (Cicindela) campestris campestris Linnaeus, 1758
Cicindela (Cicindela) hybrida hybrida Linnaeus, 1758
Cicindela (Cicindela) sylvatica sylvatica Linnaeus, 1758
Cylindera (Cylindera) germanica germanica (Linnaeus, 1758)

Subfamily LORICERINAE Bonelli, 1810

Tribe Loricerini Bonelli, 1810

Loricera (Loricera) pilicornis (Fabricius, 1775)

Subfamily ELAPHRINAE Latreille, 1802

Tribe Elaphrini Latreille, 1802

Blethisa multipunctata multipunctata (Linnaeus, 1758)
Elaphrus (Elaphrus) riparius (Linnaeus, 1758)
Elaphrus (Neoelaphrus) cupreus Duftschmid, 1812

Subfamily OMOPHRONINAE Bonelli, 1810

Tribe Omophronini Bonelli, 1810

Omophron (Omophron) limbatum (Fabricius, 1777)

Subfamily SCARITINAE Bonelli, 1810

Tribe Clivinini Rafinesque, 1815

Subtribe Clivinina Rafinesque, 1815

? *Clivina (Clivina) collaris* (Herbst, 1784) {Feoktistov 2008}
Clivina (Clivina) fossor fossor (Linnaeus, 1758)

Tribe Dyschiriini H.J. Kolbe, 1880

- Dyschirius (Dyschiriodes) aeneus aeneus* (Dejean, 1825)
Dyschirius (Dyschiriodes) nitidus nitidus (Dejean, 1825)
Dyschirius (Dyschiriodes) politus politus (Dejean, 1825)
Dyschirius (Dyschiriodes) tristis Stephens, 1827
Dyschirius (Dyschirius) thoracicus (P. Rossi, 1790)
Dyschirius (Eudyschirius) globosus (Herbst, 1784)

Subfamily BROSCINAE Hope, 1838**Tribe Broscini Hope, 1838**

Subtribe Broscina Hope, 1838

- Broscus (Broscus) cephalotes* (Linnaeus, 1758)
Miscodera arctica (Paykull, 1798)

Subfamily TRECHINAE Bonelli, 1810**Tribe Bembidiini Stephens, 1827**

Subtribe Bembidiina Stephens, 1827

- Asaphidion flavipes* (Linnaeus, 1760)
Bembidion (Bembidion) quadrimaculatum (Linnaeus, 1760)
Bembidion (Bracteon) litorale (G.-A. Olivier, 1790)
Bembidion (Eupetedromus) dentellum (Thunberg, 1787)
Bembidion (Metallina) lampros (Herbst, 1784)
Bembidion (Metallina) properans (Stephens, 1828)
Bembidion (Notaphus) obliquum Sturm, 1825
Bembidion (Notaphus) varium (G.-A. Olivier, 1795)
Bembidion (Paraprincipidium) ruficollis (Panzer, 1796)
Bembidion (Peryphus) bruxellense Wesmael, 1835
Bembidion (Peryphus) bualei polonicum J. Müller, 1930
 [indicated by us as *B. andreae* (Fabricius, 1787) (Ruchin et al. 2016)]
Bembidion (Peryphus) tetracolum tetracolum Say, 1823
Bembidion (Philochthus) biguttatum (Fabricius, 1779)
Bembidion (Philochthus) guttula (Fabricius, 1792)
Bembidion (Philochthus) mannerheimii C.R. Sahlberg, 1827
Bembidion (Philochthus) gilvipes Sturm, 1825
Bembidion (Semicampa) schueppelii Dejean, 1831
Bembidion (Trepanedoris) doris (Panzer, 1796)
Bembidion (Trepanes) articulatum (Panzer, 1796)
Bembidion (Trepanes) octomaculatum (Goeze, 1777)

Subtribe Tachyina Motschulsky, 1862

Porotachys bisulcatus (Nicolai, 1822)

Tachys (Paratachys) micros (Fischer von Waldheim, 1828)

Tachyta nana nana (Gyllenhal, 1810)

Tribe Trechini Bonelli, 1810

Subtribe Trechina Bonelli, 1810

Blemus discus discus (Fabricius, 1792)

Trechus (Epaphius) secalis (Paykull, 1790)

Trechus (Trechus) quadristriatus (Schränk, 1781)

Trechus (Trechus) rubens (Fabricius, 1792)

Subfamily PATROBINAE Kirby, 1837

Tribe Patrobini Kirby, 1837

Subtribe Patrobina Kirby, 1837

Patrobus assimilis Chaudoir, 1844

Patrobus atrorufus (Strøm, 1768)

Patrobus septentrionis volgensis Zamotajlov & Isaev, 2006

Subfamily BRACHININAE Bonelli, 1810

Tribe Brachinini Bonelli, 1810

Subtribe Brachinina Bonelli, 1810

Brachinus nigricornis Gebler, 1830

Subfamily HARPALINAE Bonelli, 1810

Tribe Chlaeniini Brullé, 1834

Subtribe Callistina Laporte, 1834

Callistus lunatus lunatus (Fabricius, 1775)

Subtribe Chlaeniina Brullé, 1834

Chlaenius (Chlaeniellus) nigricornis (Fabricius, 1787)

Chlaenius (Chlaeniellus) nitidulus (Schränk, 1781)

Chlaenius (Chlaeniellus) tristis tristis (Schaller, 1783)

Tribe Harpalini Bonelli, 1810

Subtribe Anisodactylina Lacordaire, 1854

Anisodactylus (Anisodactylus) binotatus (Fabricius, 1787)

Anisodactylus (Anisodactylus) nemorivagus (Duftschmid, 1812)

Anisodactylus (Paedanisodactylus) signatus (Panzer, 1796)

Subtribe Harpalina Bonelli, 1810

- Harpalus (Harpalus) affinis* (Schränk, 1781)
 ? *Harpalus (Harpalus) amplicollis* Ménétries, 1848 {Feoktistov 2008}
Harpalus (Harpalus) anxius (Duftschmid, 1812)
Harpalus (Harpalus) autumnalis (Duftschmid, 1812)
Harpalus (Harpalus) distinguendus distinguendus (Duftschmid, 1812)
Harpalus (Harpalus) flavescens (Piller & Mitterpacher, 1783)
Harpalus (Harpalus) froelichii Sturm, 1818
Harpalus (Harpalus) laevipes Zetterstedt, 1828
Harpalus (Harpalus) latus (Linnaeus, 1758)
Harpalus (Harpalus) luteicornis (Duftschmid, 1812)
Harpalus (Harpalus) modestus Dejean, 1829
Harpalus (Harpalus) picipennis (Duftschmid, 1812)
Harpalus (Harpalus) progrediens Schaubberger, 1922
Harpalus (Harpalus) pumilus Sturm, 1818
Harpalus (Harpalus) rubripes (Duftschmid, 1812)
Harpalus (Harpalus) smaragdinus (Duftschmid, 1812)
Harpalus (Harpalus) solitarius Dejean, 1829
Harpalus (Harpalus) tardus (Panzer, 1796)
Harpalus (Harpalus) xanthopus winkleri Schaubberger, 1923
Harpalus (Harpalus) zabroides Dejean, 1829
Harpalus (Pseudoophonus) calceatus (Duftschmid, 1812)
Harpalus (Pseudoophonus) griseus (Panzer, 1796)
Harpalus (Pseudoophonus) rufipes (De Geer, 1774)
Harpalus (Semiophonus) signaticornis (Duftschmid, 1812) {ZIN}
Ophonus (Hesperophonus) azureus (Fabricius, 1775)
Ophonus (Metophonus) puncticollis (Paykull, 1798)
Ophonus (Metophonus) rufibarbis (Fabricius, 1792)
Ophonus (Ophonus) stictus Stephens, 1828

Subtribe Stenolophina Kirby, 1837

- Acupalpus (Acupalpus) exiguus* Dejean, 1829
Acupalpus (Acupalpus) flavicollis (Sturm, 1825)
Acupalpus (Acupalpus) meridianus (Linnaeus, 1760)
Acupalpus (Acupalpus) parvulus (Sturm, 1825)
Anthracus consputus (Duftschmid, 1812)
Stenolophus (Stenolophus) mixtus (Herbst, 1784)
Stenolophus (Stenolophus) teutonus (Schränk, 1781)

Tribe Lebiini Bonelli, 1810

Subtribe Cymindidina Laporte, 1834

Cymindis (Tarsostinus) macularis Fischer von Waldheim, 1824*Cymindis (Tarulus) vaporariorum* (Linnaeus, 1758)

Subtribe Demetriadina Bates, 1886

Demetrias (Demetrias) monostigma Samouelle, 1819

Subtribe Dromiusina Bonelli, 1810

Dromius (Dromius) agilis (Fabricius, 1787)*Dromius (Dromius) fenestratus* (Fabricius, 1794)*Dromius (Dromius) quadraticollis* A. Morawitz, 1862*Dromius (Dromius) schneideri* Crotch, 1871**Microlestes maurus maurus* (Sturm, 1827)*Microlestes minutulus* (Goeze, 1777)*Paradromius (Manodromius) linearis* (G.-A. Olivier, 1795)? *Philorhizus notatus* (Stephens, 1827) {Feoktistov 2008}*Philorhizus sigma* (P. Rossi, 1790)*Syntomus foveatus* (Geoffroy, 1785)

Subtribe Lebiina Bonelli, 1810

Lebia (Lamprias) chlorocephala (J.J. Hoffmann, 1803)*Lebia (Lebia) cruxminor cruxminor* (Linnaeus, 1758)*Lebia (Lebia) marginata* (Geoffroy, 1785)**Tribe Licinini Bonelli, 1810**

Subtribe Licinina Bonelli, 1810

Badister (Badister) bullatus (Schrank, 1798)*Badister (Badister) lacertosus lacertosus* Sturm, 1815*Badister (Badister) meridionalis* Puel, 1925*Badister (Badister) unipustulatus* Bonelli, 1813*Badister (Baudia) collaris* Motschulsky, 1844*Badister (Baudia) dilatatus* Chaudoir, 1837*Badister (Baudia) peltatus peltatus* (Panzer, 1796)*Badister (Trimorphus) sodalis* (Duftschmid, 1812)*Licinus (Licinus) depressus* (Paykull, 1790)

Tribe Odacanthini Laporte, 1834

Odacantha (Odacantha) melanura (Linnaeus, 1767)

Tribe Oodini La Ferté-Sénectère, 1851

Oodes gracilis A. Villa & G.B. Villa, 1833

Oodes helopioides (Fabricius, 1792)

Tribe Panagaeini Bonelli, 1810

Panagaeus (Panagaeus) bipustulatus (Fabricius, 1775)

Panagaeus (Panagaeus) cruxmajor (Linnaeus, 1758)

Tribe Patynini Bonelli, 1810

Agonum (Agonum) gracilipes (Duftschmid, 1812)

Agonum (Agonum) marginatum (Linnaeus, 1758)

Agonum (Agonum) muelleri (Herbst, 1784)

Agonum (Europhilus) fuliginosum (Panzer, 1809)

Agonum (Europhilus) gracile Sturm, 1824

Agonum (Europhilus) micans (Nicolai, 1822)

Agonum (Europhilus) piceum (Linnaeus, 1758)

Agonum (Europhilus) thoreyi Dejean, 1828

Agonum (Olisares) dolens (C.R. Sahlberg, 1827)

? *Agonum (Olisares) duftschmidii* J. Schmidt, 1994 [identification of species of this group is difficult; this may be *A. (O.) emarginatum* (Gyllenhal, 1827)]

Agonum (Olisares) ericeti (Panzer, 1809)

Agonum (Olisares) impressum (Panzer, 1796)

Agonum (Olisares) hypocrita (Apfelbeck, 1904)

Agonum (Olisares) lugens (Duftschmid, 1812)

Agonum (Olisares) sexpunctatum (Linnaeus, 1758)

Agonum (Olisares) versutum Sturm, 1824

Agonum (Olisares) viduum (Panzer, 1796)

Anchomenus dorsalis dorsalis (Pontoppidan, 1763)

Limodromus assimilis (Paykull, 1790)

Limodromus krynickii (Sperk, 1835)

Limodromus longiventris Mannerheim, 1825

Oxypselaphus obscurus (Herbst, 1784)

Platynus livens (Gyllenhal, 1810)

Platynus mannerheimii (Dejean, 1828)

Sericoda quadripunctata (De Geer, 1774)

Tribe Pterostichini Bonelli, 1810

- Poecilus (Ancholeus) crenuliger crenuliger* Chaudoir, 1876
Poecilus (Poecilus) cupreus cupreus (Linnaeus, 1758)
Poecilus (Poecilus) lepidus lepidus (Leske, 1785)
Poecilus (Poecilus) punctulatus (Schaller, 1783)
Poecilus (Poecilus) versicolor (Sturm, 1824)
Pterostichus (Adelosia) macer macer (Marsham, 1802)
Pterostichus (Argutor) vernalis (Panzer, 1796)
Pterostichus (Bothriopterus) oblongopunctatus oblongopunctatus (Fabricius, 1787)
Pterostichus (Bothriopterus) quadrifoveolatus Letzner, 1852
Pterostichus (Eosteropus) mannerheimii (Dejean, 1831)
Pterostichus (Melanius) aterrimus aterrimus (Herbst, 1784)
Pterostichus (Morphnosoma) melanarius melanarius (Illiger, 1798)
Pterostichus (Petrophilus) uralensis uralensis (Motschulsky, 1850)
Pterostichus (Phaenoraphis) diligens (Sturm, 1824)
Pterostichus (Phaenoraphis) strenuus (Panzer, 1796)
Pterostichus (Platysma) niger (Schaller, 1783)
Pterostichus (Pseudomaseus) anthracinus anthracinus (Illiger, 1798)
Pterostichus (Pseudomaseus) gracilis gracilis (Dejean, 1828)
Pterostichus (Pseudomaseus) minor minor (Gyllenhal, 1827)
Pterostichus (Pseudomaseus) nigrita nigrita (Paykull, 1790)
Pterostichus (Pseudomaseus) rhaeticus Heer, 1837
Stomis (Stomis) pumicatus pumicatus (Panzer, 1796)

Tribe Sphodrini Laporte, 1834

Subtribe Calathina Laporte, 1834

- Calathus (Calathus) fuscipes fuscipes* (Goeze, 1777)
Calathus (Lindrothius) ambiguus ambiguus (Paykull, 1790)
Calathus (Lindrothius) erratus erratus (C.R. Sahlberg, 1827)
Calathus (Lindrothius) melanocephalus melanocephalus (Linnaeus, 1758)
Calathus (Lindrothius) micropterus (Duftschmid, 1812)

Subtribe Synuchina Lindroth, 1956

- Synuchus (Synuchus) vivalis vivalis* (Illiger, 1798)

Tribe Zabринi Bonelli, 1810

Subtribe Amarina C.C.A. Zimmermann, 1832

- Amara (Amara) aenea* (De Geer, 1774)
Amara (Amara) communis (Panzer, 1797)

- Amara (Amara) convexior* Stephens, 1828
Amara (Amara) curta Dejean, 1828
Amara (Amara) eurynota (Panzer, 1796)
Amara (Amara) famelica C.C.A. Zimmermann, 1832
Amara (Amara) familiaris (Duftschmid, 1812)
Amara (Amara) littorea C.G. Thomson, 1857
Amara (Amara) lunicollis Schiødte, 1837
Amara (Amara) montivaga Sturm, 1825
Amara (Amara) ovata (Fabricius, 1792)
Amara (Amara) similata (Gyllenhal, 1810)
Amara (Amara) spreta Dejean, 1831
Amara (Amara) tibialis (Paykull, 1798)
Amara (Amarocelia) erratica (Duftschmid, 1812)
Amara (Bradytus) apricaria (Paykull, 1790)
Amara (Bradytus) consularis (Duftschmid, 1812)
Amara (Bradytus) crenata Dejean, 1828
Amara (Bradytus) fulva (O.F. Müller, 1776)
Amara (Bradytus) majuscula (Chaudoir, 1850)
Amara (Celia) bifrons (Gyllenhal, 1810)
Amara (Celia) brunnea (Gyllenhal, 1810)
Amara (Celia) infima (Duftschmid, 1812)
Amara (Celia) praetermissa (C.R. Sahlberg, 1827)
Amara (Curtonotus) aulica (Panzer, 1796)
 ? *Amara (Curtonotus) convexiuscula* (Marsham, 1802) {Feoktistov 2008}
Amara (Curtonotus) gebleri Dejean, 1831
Amara (Paracelia) quenseli silvicola C.C.A. Zimmermann, 1832
Amara (Percosia) equestris equestris (Duftschmid, 1812)
Amara (Xenocelia) ingenua (Duftschmid, 1812)
Amara (Xenocelia) municipalis (Duftschmid, 1812)
Amara (Zezea) plebeja (Gyllenhal, 1810)

Family HALIPLIDAE Aubé, 1836

- Haliplus (Haliplus) fluviatilis* Aubé, 1836
Haliplus (Haliplus) fulvicollis Erichson, 1837
Haliplus (Haliplus) lineolatus Mannerheim, 1844
Haliplus (Haliplus) ruficollis (De Geer, 1774)

Family NOTERIDAE C.G. Thomson, 1860

Subfamily NOTERINAE C.G. Thomson, 1860

Tribe Noterini C.G. Thomson, 1860

- Noterus clavicornis* (De Geer, 1774)
Noterus crassicornis (O.F. Müller, 1776)

Family DYTISCIDAE Leach, 1815**Subfamily AGABINAE C.G. Thomson, 1867****Tribe Agabini C.G. Thomson, 1867**

- Agabus (Acatodes) congener* (Thunberg, 1794)
Agabus (Acatodes) fuscipennis (Paykull, 1798)
Agabus (Acatodes) sturmii (Gyllenhal, 1808)
Agabus (Agabus) uliginosus (Linnaeus, 1760)
Agabus (Gaurodytes) affinis (Paykull, 1798)
Agabus (Gaurodytes) biguttatus (G.-A. Olivier, 1795)
Agabus (Gaurodytes) guttatus guttatus (Paykull, 1798)
Agabus (Gaurodytes) melanarius Aubé, 1837
Ilybius aenescens C.G. Thomson, 1870
Ilybius ater (De Geer, 1774)
Ilybius erichsoni (Gemminger & Harold, 1868)
Ilybius fenestratus (Fabricius, 1781)
Ilybius fuliginosus fuliginosus (Fabricius, 1792)
Ilybius guttiger (Gyllenhal, 1808)
Ilybius neglectus (Erichson, 1837)
Ilybius quadriguttatus (Lacordaire, 1835)
Ilybius similis C.G. Thomson, 1856
Ilybius subaeneus Erichson, 1837
Ilybius subtilis (Erichson, 1837)
Ilybius wasastjernae (C.R. Sahlberg, 1824) {ZIN}
Platambus maculatus (Linnaeus, 1758)

Subfamily COLYMBETINAE Erichson, 1837**Tribe Colymbetini Erichson, 1837**

- Colymbetes paykulli* Erichson, 1837
Colymbetes striatus (Linnaeus, 1758)
Rhantus (Nartus) grapii (Gyllenhal, 1808)
Rhantus (Rhantus) exsoletus (Forster, 1771)
Rhantus (Rhantus) frontalis (Marsham, 1802)
Rhantus (Rhantus) latitans Sharp, 1882
Rhantus (Rhantus) notaticollis (Aubé, 1837)
Rhantus (Rhantus) suturellus (Harris, 1828)
Liopterus haemorrhoidalis (Fabricius, 1787)

Subfamily CYBISTRINAE Sharp, 1880**Tribe Cybistrini Sharp, 1880**

- Cybister (Cybister) lateralimarginalis lateralimarginalis* (De Geer, 1774)

Subfamily DYTISCINAE Leach, 1815**Tribe Aciliini C.G. Thomson, 1867**

Acilius (Acilius) canaliculatus (Nicolai, 1822)

Acilius (Acilius) sulcatus (Linnaeus, 1758)

Graphoderus bilineatus (De Geer, 1774)

Graphoderus cinereus (Linnaeus, 1758)

Graphoderus zonatus zonatus (Hoppe, 1795)

Tribe Dytiscini Leach, 1815

Dytiscus circumcinctus Ahrens, 1811

Dytiscus latissimus Linnaeus, 1758

Dytiscus marginalis marginalis Linnaeus, 1758

Dytiscus thianschanicus (Gschwendtner, 1923)

Tribe Hydaticini Sharp, 1880

Hydaticus (Hydaticus) aruspex H. Clark, 1864

Hydaticus (Hydaticus) continentalis J. Balfour-Browne, 1944

Hydaticus (Hydaticus) seminiger (De Geer, 1774)

Hydaticus (Hydaticus) transversalis transversalis (Pontoppidan, 1763)

Subfamily HYDROPORINAE Aubé, 1836**Tribe Bidessini Sharp, 1880**

Bidessus grossepunctatus Vorbringer, 1907

Bidessus unistriatus (Goeze, 1777)

Hydroglyphus geminus (Fabricius, 1792)

Tribe Hydroporini Aubé, 1836

Subtribe Hydroporina Aubé, 1836

Hydroporus angustatus Sturm, 1835

Hydroporus dorsalis (Fabricius, 1787)

Hydroporus erythrocephalus (Linnaeus, 1758)

Hydroporus fuscipennis Schaum, 1867

Hydroporus incognitus Sharp, 1869

Hydroporus memnonius Nicolai, 1822

Hydroporus neglectus Schaum, 1845

Hydroporus palustris (Linnaeus, 1760)

Hydroporus planus (Fabricius, 1782)

Hydroporus scalesianus Stephens, 1828

Hydroporus striola (Gyllenhal, 1826)

Hydroporus tristis (Paykull, 1798)

Subtribe Siettitiina Smrž, 1982

Graptodytes bilineatus (Sturm, 1835)

Graptodytes granularis (Linnaeus, 1767)

Graptodytes pictus (Fabricius, 1787)

Porhydrus lineatus (Fabricius, 1775)

Tribe Hygrotini Portevin, 1929

Hygrotus (Coelambus) impressopunctatus (Schaller, 1783)

Hygrotus (Hygrotus) decoratus (Gyllenhal, 1810)

Hygrotus (Hygrotus) inaequalis (Fabricius, 1777)

Hygrotus (Hygrotus) versicolor (Schaller, 1783)

Tribe Hyphyrini Gistel, 1848

Hyphyrus ovatus (Linnaeus, 1760)

Tribe Laccornini Wolfe & Roughley, 1990

Laccornis oblongus (Stephens, 1835)

Subfamily LACCOPHILINAE Gistel, 1848

Tribe Laccophilini Gistel, 1848

Laccophilus hyalinus (De Geer, 1774)

Laccophilus minutus (Linnaeus, 1758)

Suborder POLYPHAGA Emery, 1886

Superfamily HYDROPHILOIDEA Latreille, 1802

Family HELOPHORIDAE Leach, 1815

Helophorus (Kyphohelophorus) tuberculatus Gyllenhal, 1808

Family GEORISSIDAE Laporte, 1840

Georissus (Georissus) crenulatus (P. Rossi, 1794)

Family HYDROCHIDAE C.G. Thomson, 1859

Hydrochus brevis (Herbst, 1793)

Hydrochus crenatus (Fabricius, 1792)

Hydrochus elongatus (Schaller, 1783)

Hydrochus kirgisticus Motschulsky, 1860

Family HYDROPHILIDAE Latreille, 1802

Subfamily HYDROPHILINAE Latreille, 1802

Tribe Berosini Mulsant, 1844

Berosus (Berosus) luridus (Linnaeus, 1760)

Berosus (Berosus) signaticollis (Charpentier, 1825)

Tribe Laccobiini Houlbert, 1922

Laccobius (Laccobius) albipes Kuwert, 1890

Laccobius (Laccobius) minutus (Linnaeus, 1758)

Tribe Hydrobiusini Mulsant, 1844

Hydrobius fuscipes (Linnaeus, 1758)

Tribe Hydrophilini Latreille, 1802

Hydrochara caraboides (Linnaeus, 1758)

Hydrophilus aterrimus Eschscholtz, 1822

Subfamily CHAETARTHRIINAE Bedel, 1881

Tribe Anacaenini M. Hansen, 1991

Anacaena lutescens (Stephens, 1829)

Tribe Chaetarhriini Bedel, 1881

Chaetarhria seminulum (Herbst, 1797)

Subfamily ENOCHRINAE Short & Fikáček, 2013

Cymbiodyta marginella (Fabricius, 1792)

Enochrus (Lumetus) bicolor (Fabricius, 1792)

Enochrus (Lumetus) fuscipennis (C.G. Thomson, 1884)

Enochrus (Lumetus) quadripunctatus (Herbst, 1797)

Enochrus (Methydrus) affinis (Thunberg, 1794)

Enochrus (Methydrus) coarctatus (Gredler, 1863)

Subfamily ACIDOCERINAE Zaitzev, 1908*Helochares (Helochares) obscurus* (O.F. Müller, 1776)**Subfamily SPHAERIDIINAE Latreille, 1802****Tribe Coelostomatini L. Heyden, 1891***Coelostoma (Coelostoma) orbiculare* (Fabricius, 1775)**Tribe Megasternini Mulsant, 1844***Cercyon (Cercyon) bifenestratus* Küster, 1851*Cercyon (Cercyon) convexiusculus* Stephens, 1829*Cercyon (Cercyon) granarius* Erichson, 1837*Cercyon (Cercyon) haemorrhoidalis* (Fabricius, 1775)*Cercyon (Cercyon) impressus* (Sturm, 1807)*Cercyon (Cercyon) lateralis* (Marsham, 1802)*Cercyon (Cercyon) marinus* C.G. Thomson, 1853*Cercyon (Cercyon) melanocephalus* (Linnaeus, 1758)*Cercyon (Cercyon) pygmaeus* (Illiger, 1801)*Cercyon (Cercyon) quisquilius* (Linnaeus, 1760)*Cercyon (Cercyon) sternalis* Sharp, 1918*Cercyon (Cercyon) tristis* (Illiger, 1801)*Cercyon (Cercyon) unipunctatus* (Linnaeus, 1758)*Cercyon (Conocercyon) ustulatus* (Preysslér, 1790)*Cercyon (Paracercyon) analis* (Paykull, 1798)*Cercyon (Paracycreon) laminatus* Sharp, 1873†*Cryptopleurum crenatum* (Kugelann, 1794)*Cryptopleurum minutum* (Fabricius, 1775)**Tribe Sphaeridiini Latreille, 1802***Sphaeridium bipustulatum* Fabricius, 1781*Sphaeridium lunatum* Fabricius, 1792*Sphaeridium scarabaeoides* (Linnaeus, 1758)**Family SPHAERITIDAE Shuckard, 1839***Sphaerites glabratus* (Fabricius, 1792)**Family HISTERIDAE Gyllenhal, 1808****Subfamily ABRAEINAE W.S. MacLeay, 1819**

Tribe Acritini Wenzel, 1944

Acritus (Acritus) minutus (Herbst, 1791)

Acritus (Pycnacritus) homoeopathicus Wollaston, 1857

Tribe Plegaderini Portevin, 1929

Plegaderus (Plegaderus) caesus (Herbst, 1791)

Plegaderus (Plegaderus) saucius Erichson, 1834

Plegaderus (Plegaderus) vulneratus (Panzer, 1797)

Subfamily DENDROPHILINAE Reitter, 1909**Tribe Dendrophilini Reitter, 1909**

Dendrophilus (Dendrophilus) punctatus punctatus (Herbst, 1791)

Dendrophilus (Dendrophilus) pygmaeus (Linnaeus, 1758)*

Tribe Paromalini Reitter, 1909

Paromalus (Paromalus) flavicornis (Herbst, 1791)

Paromalus (Paromalus) parallelepipedus (Herbst, 1791)

Platylomalus complanatus (Panzer, 1797)

Subfamily HISTERINAE Gyllenhal, 1808**Tribe Histerini Gyllenhal, 1808**

Atholus duodecimstriatus duodecimstriatus (Schrank, 1781)

Hister bissexstriatus Fabricius, 1801

Hister funestus Erichson, 1834

Hister unicolor unicolor Linnaeus, 1758

Margarinotus (Eucalohister) bipustulatus (Schrank, 1781)

Margarinotus (Paralister) neglectus (Germar, 1813)

Margarinotus (Paralister) purpurascens (Herbst, 1791)

Margarinotus (Paralister) ventralis (Marseul, 1854)

Margarinotus (Ptomister) brunneus (Fabricius, 1775)

Margarinotus (Ptomister) merdarius (J.J. Hoffmann, 1803)

Margarinotus (Ptomister) striola striola (C.R. Sahlberg, 1819)

Margarinotus (Ptomister) terricola (Germar, 1823)

Tribe Hololeptini Hope, 1840

Hololepta (Hololepta) plana (Sulzer, 1776)

Tribe Platysomatini Bickhardt, 1914

- Eurosomides minor* (P. Rossi, 1790)
Platysoma (Cylister) angustatum (J.J. Hoffmann, 1803)
Platysoma (Cylister) elongatum elongatum (Thunberg, 1787)
Platysoma (Cylister) lineare Erichson, 1834
Platysoma (Platysoma) deplanatum (Gyllenhal, 1808)

Subfamily SAPRININAE C.É. Blanchard, 1845

- Chalcionellus decemstriatus decemstriatus* (P. Rossi, 1792)
Gnathoncus buyssoni Auzat, 1917*
Gnathoncus nannetensis (Marseul, 1862)
Hypocaccus (Hypocaccus) rugifrons (Paykull, 1798)
Myrmetes paykulli Kanaar, 1979
Saprinus (Saprinus) aeneus (Fabricius, 1775)
Saprinus (Saprinus) caerulescens caerulescens (J.J. Hoffmann, 1803)
Saprinus (Saprinus) planiusculus Motschulsky, 1849
Saprinus (Saprinus) rugifer (Paykull, 1809)*
Saprinus (Saprinus) semistriatus (L.G. Scriba, 1790)

Superfamily STAPHYLINOIDEA Latreille, 1802**Family HYDRAENIDAE Mulsant, 1844****Subfamily HYDRAENINAE Mulsant, 1844****Tribe Limnebiini Mulsant, 1844**

- Limnebius truncatellus* (Thunberg, 1794)

Family LEIODIDAE Fleming, 1821**Subfamily CHOLEVINAE Kirby, 1837****Tribe Cholevini Kirby, 1837**

Subtribe Catopina Chaudoir, 1845

- Apocatops nigrita* (Erichson, 1837)
Fissocatops westi (Krogerus, 1931)
Sciodrepoides fumatus (Spence, 1813)
Sciodrepoides watsoni watsoni (Spence, 1813)

Subtribe Cholevina Kirby, 1837

- Choleva (Choleva) oblonga oblonga* Latreille, 1806*

Subfamily COLONINAE Horn, 1880

Colon serripes (C.R. Sahlberg, 1822)

Subfamily LEIODINAE Fleming, 1821**Tribe Anisotomini Horaninow, 1834**

Agathidium (*Cyphocele*) *discoideum* Erichson, 1845

Agathidium (*Neocele*) *nigripenne* (Fabricius, 1792)

Agathidium (*Neocele*) *rotundatum rotundatum* (Gyllenhal, 1827)

Amphicyllis globus (Fabricius, 1792)

Anisotoma axillaris Gyllenhal, 1810

Anisotoma castanea castanea (Herbst, 1791)

Anisotoma glabra (Fabricius, 1787)

Anisotoma humeralis (Herbst, 1791)

Anisotoma orbicularis (Herbst, 1791)

Liodopria serricornis (Gyllenhal, 1813)

Tribe Leiodini Fleming, 1821

Cyrtusa subtestacea (Gyllenhal, 1813)

Tribe Pseudoliodini Portevin, 1926

Colenis (*Colenis*) *immunda* (Sturm, 1807)

Family SILPHIDAE Latreille, 1806**Subfamily SILPHINAE Latreille, 1806**

Dendroxena quadrimaculata (Scopoli, 1771)

Nicrodes littoralis (Linnaeus, 1758)

Oiceoptoma thoracicum (Linnaeus, 1758)

Phosphuga atrata atrata (Linnaeus, 1758)

Silpha carinata Herbst, 1783

Silpha obscura obscura Linnaeus, 1758

Silpha tristis Illiger, 1798

Thanatophilus dispar (Herbst, 1793)

Thanatophilus rugosus (Linnaeus, 1758)

Thanatophilus sinuatus (Fabricius, 1775)

Subfamily NICROPHORINAE Kirby, 1837

icrophorus humator (Gleditsch, 1767)

Nicrophorus interruptus Stephens, 1830
Nicrophorus investigator Zetterstedt, 1824
Nicrophorus sepultor Charpentier, 1825
Nicrophorus vespillo (Linnaeus, 1758)
Nicrophorus vespilloides Herbst, 1783

Family STAPHYLINIDAE Latreille, 1802

Subfamily OMALIINAE W.S. MacLeay, 1825

Tribe Anthophagini C.G. Thomson, 1859

Acidota crenata crenata (Fabricius, 1792)
Acidota cruentata Mannerheim, 1830
Anthobium (Anthobium) atrocephalum (Gyllenhal, 1827)
Anthophagus (Dimorphoschelus) angusticollis angusticollis (Mannerheim, 1830)
Anthophagus (Phaganthus) caraboides caraboides (Linnaeus, 1758)
Arpedium brachypterum (Gravenhorst, 1802)
Arpedium quadrum (Gravenhorst, 1806)
Deliphrum (Deliphrum) tectum (Paykull, 1789)

Tribe Eusphalerini Hatch, 1957

Eusphalerum luteum luteum (Marsham, 1802)
Eusphalerum minutum (Fabricius, 1792)

Tribe Omaliini W.S. MacLeay, 1825

Acrulia inflata (Gyllenhal, 1813)
Omalium caesum Gravenhorst, 1806
Omalium rivulare (Paykull, 1789)
Phloeonomus (Phloeonomus) pusillus (Gravenhorst, 1806)
Phloeostiba lapponica (Zetterstedt, 1838)
Phloeostiba plana (Paykull, 1792)
Phyllodrepa melanocephala melanocephala (Fabricius, 1787)
Phyllodrepa nigra (Gravenhorst, 1806)

Subfamily PROTEININAE Erichson, 1839

Tribe Proteinini Erichson, 1839

Megarthritis denticollis (Beck, 1817)
Megarthritis depressus (Paykull, 1789)
Megarthritis hemipterus (Illiger, 1794)
Proteinus atomarius Erichson, 1840
Proteinus brachypterus (Fabricius, 1792)
Proteinus laevigatus Hochhuth, 1872

Subfamily MICROPEPLINAE Leach, 1815

Arrhenopeplus (Arrhenopeplus) tesserula (Curtis, 1828)

Subfamily PSELAPHINAE Latreille, 1802**Supertribe Euplectitae Streubel, 1839****Tribe Euplectini Streubel, 1839**

Euplectus karstenii (Reichenbach, 1816)

Euplectus kirbii kirbii Denny, 1825

Euplectus punctatus Mulsant & Rey, 1861

Tribe Trichonychini Reitter, 1882

Subtribe Bibloporina O. Park, 1951

Bibloporus (Bibloporus) minutus Raffray, 1914

Subtribe Panaphantina Jeannel, 1950

Biblopectus (Biblopectus) ambiguus (Reichenbach, 1816)

Subtribe Trichonychina Reitter, 1882

Trichonyx sulcicollis (Reichenbach, 1816)*

Subtribe Trimiina Brendel & Wickham, 1890

Trimium brevicorne (Reichenbach, 1816)

Tribe Brachyglutini Raffray, 1904

Subtribe Brachyglutina Raffray, 1904

Brachygluta (Brachygluta) fossulata (Reichenbach, 1816)

Brachygluta haematica (Reichenbach, 1816)

Fagniezia impressa (Panzer, 1803)

Rybaxis longicornis (Leach, 1817)

Tribe Bythinini Raffray, 1890

Subtribe Bythinini Raffray, 1890

Bryaxis bulbifer (Reichenbach, 1816)

Tribe Tychini Raffray, 1904

Tychus niger (Paykull, 1800)

Supertribe Pselaphitae Latreille, 1802**Tribe Pselaphini Latreille, 1802**

Pselaphaulax dresdensis (Herbst, 1791)

Tribe Tyrini Reitter, 1882

Subtribe Tyrina Reitter, 1882

Tyrus mucronatus mucronatus (Panzer, 1803)

Subfamily PHLOEOCHARINAE Erichson, 1839

Phloeocharis (*Phloeocharis*) *subtilissima* Mannerheim, 1830

Subfamily TACHYPORINAE W.S. MacLeay, 1825**Tribe Mycetoporini C.G. Thomson, 1859**

Bolitobius (*Bolitobius*) *castaneus boreomontanicus* Schülke, 2010

Carphacis striatus (G.-A. Olivier, 1795)

Ischnosoma longicorne (Mäklin, 1847)

Ischnosoma splendidum (Gravenhorst, 1806)

Lordithon exoletus (Erichson, 1839)

Lordithon lunulatus (Linnaeus, 1760)

Lordithon pulchellus (Mannerheim, 1830)

Lordithon speciosus (Erichson, 1839)

Lordithon thoracicus thoracicus (Fabricius, 1777)

Lordithon trimaculatus (Fabricius, 1792)

Mycetoporus bimaculatus Lacordaire, 1835*

Mycetoporus lepidus (Gravenhorst, 1806)

Mycetoporus maerkelii Kraatz, 1857

Mycetoporus monticola Fowler, 1888

Mycetoporus punctus (Gravenhorst, 1806)

Parabolitobius formosus (Gravenhorst, 1806)

Tribe Tachyporini W.S. MacLeay, 1825

Lamprinodes saginatus (Gravenhorst, 1806)

Sepedophilus binotatus (Gravenhorst, 1802)

Sepedophilus bipunctatus (Gravenhorst, 1802)

Sepedophilus bipustulatus (Gravenhorst, 1802)
Sepedophilus constans (Fowler, 1888)
Sepedophilus immaculatus (Stephens, 1832)
Sepedophilus littoreus (Linnaeus, 1758)
Sepedophilus marshami (Stephens, 1832)
Sepedophilus pedicularius (Gravenhorst, 1802)
Sepedophilus testaceus (Fabricius, 1792)
Tachinus (*Tachinus*) *bipustulatus* (Fabricius, 1792)
Tachinus (*Tachinus*) *laticollis* Gravenhorst, 1802
Tachinus (*Tachinus*) *marginellus marginellus* (Fabricius, 1781)*
Tachinus (*Tachinus*) *proximus* Kraatz, 1855
Tachinus (*Tachinus*) *rufipes* (Linnaeus, 1758)
Tachinus (*Tachinus*) *subterraneus* (Linnaeus, 1758)
Tachyporus (*Palporus*) *nitidulus* (Fabricius, 1781)
Tachyporus (*Tachyporus*) *abdominalis* (Fabricius, 1781)
Tachyporus (*Tachyporus*) *chrysomelinus* (Linnaeus, 1758)
Tachyporus (*Tachyporus*) *dispar* (Paykull, 1789)
Tachyporus (*Tachyporus*) *formosus* A. [H]. Matthews, 1838
Tachyporus (*Tachyporus*) *hypnorum* (Fabricius, 1775)
Tachyporus (*Tachyporus*) *obtusus* (Linnaeus, 1767)
Tachyporus (*Tachyporus*) *pallidus* Sharp, 1871
Tachyporus (*Tachyporus*) *pulchellus* Mannerheim, 1843
Tachyporus (*Tachyporus*) *quadriscopulatus quadriscopulatus* Pandellé, 1869
Tachyporus (*Tachyporus*) *scitulus* Erichson, 1839
Tachyporus (*Tachyporus*) *solutus* Erichson, 1839
Tachyporus (*Tachyporus*) *transversalis* Gravenhorst, 1806

Subfamily HABROCERINAE Mulsant & Rey, 1876

Habrocerus capillaricornis (Gravenhorst, 1806)

Subfamily ALEOCHARINAE Fleming, 1821

Tribe Aleocharini Fleming, 1821

Subtribe Aleocharina Fleming, 1821

Aleochara (*Aleochara*) *curtula* (Goeze, 1777)
Aleochara (*Ceranota*) *erythroptera* Gravenhorst, 1806
Aleochara (*Coprochara*) *bipustulata* (Linnaeus, 1760)
Aleochara (*Xenochara*) *brevipennis* Gravenhorst, 1806
Aleochara (*Xenochara*) *falcata* Assing, 2009*
Aleochara (*Xenochara*) *fumata* Gravenhorst, 1802
Aleochara (*Xenochara*) *grandeguttata* Assing, 2009
Aleochara (*Xenochara*) *haematoptera* Kraatz, 1858
Aleochara (*Xenochara*) *stichai* Likovský, 1965

Tribe Athetini Casey, 1910

Subtribe Athetina Casey, 1910

- Acrotona (Acrotona) aterrima* (Gravenhorst, 1802)
Acrotona (Acrotona) convergens (A. Strand, 1958)
Acrotona (Acrotona) exigua (Erichson, 1837)
Acrotona (Acrotona) muscorum (Brisout de Barneville, 1860)
Acrotona (Acrotona) obfuscata (Gravenhorst, 1802)
Acrotona (Acrotona) parvula (Mannerheim, 1830)
Acrotona (Acrotona) pseudotenera (Cameron, 1933)†
Acrotona (Acrotona) pygmaea (Gravenhorst, 1802)
Acrotona (Acrotona) sylvicola (Kraatz, 1856)
Alianta incana (Erichson, 1837)
Amischa analis (Gravenhorst, 1802)
Amischa bifoveolata (Mannerheim, 1830)
Amischa decipiens (Sharp, 1869)
Atheta (Alaobia) gagatina (Baudi di Selve, 1848)
Atheta (Alaobia) pallidicornis (C.G. Thomson, 1856)
Atheta (Alaobia) scapularis (C.R. Sahlberg, 1831)
Atheta (Alaobia) sodalis (Erichson, 1837)
Atheta (Atheta) basicornis (Mulsant & Rey, 1852)
Atheta (Atheta) crassicornis (Fabricius, 1792)
Atheta (Atheta) ebenina (Mulsant & Rey, 1873)
Atheta (Atheta) euryptera (Stephens, 1832)
Atheta (Atheta) harwoodi B.S. Williams, 1930
Atheta (Atheta) paracrassicornis Brundin, 1954
Atheta (Atheta) pilicornis (C.G. Thomson, 1852)
Atheta (Atheta) vaga (Heer, 1839)
Atheta (Badura) cauta (Erichson, 1837)*
Atheta (Bessobia) occulta (Erichson, 1837)
Atheta (Ceritaxa) subterranea (Mulsant & Rey, 1853)
Atheta (Chaetida) longicornis (Gravenhorst, 1802)
Atheta (Datomicra) canescens (Sharp, 1869)
Atheta (Datomicra) dadopora C.G. Thomson, 1867
Atheta (Datomicra) nigra (Kraatz, 1856)
Atheta (Dimetrota) intermedia (Thomson, 1852)
Atheta (Microdota) atomaria (Kraatz, 1856)*
Atheta (Microdota) minuscula (Brisout de Barneville, 1860)
Atheta (Mocyta) clientula (Erichson, 1839)
Atheta (Mocyta) fungi fungi (Gravenhorst, 1806)
Atheta (Mocyta) fussi Bernhauer, 1908
Atheta (Mocyta) orbata (Erichson, 1837)
Atheta (Mycetota) laticollis (Stephens, 1832)
Atheta (Parameotica) laticeps (C.G. Thomson, 1856)

Atheta (Philhygra) britteni Joy, 1913
Atheta (Philhygra) debilis (Erichson, 1837)
Atheta (Philhygra) deformis (Kraatz, 1856)
Atheta (Philhygra) elongatula (Gravenhorst, 1802)
Atheta (Philhygra) gyllenhalii (C.G. Thomson, 1856)
Atheta (Philhygra) hygrobia (C.G. Thomson, 1856)
Atheta (Philhygra) luridipennis (Mannerheim, 1830)
Atheta (Philhygra) malleus Joy, 1913
Atheta (Philhygra) palustris (Kiesenwetter, 1844)
Atheta (Philhygra) pseudoelongatula Bernhauer, 1907
Atheta (Philhygra) sequanica (Brisout de Barneville, 1860)
Atheta (Philhygra) tmolosensis Bernhauer, 1940
Atheta (Tetropla) liturata (Stephens, 1832)
Atheta (Tetropla) nigritula (Gravenhorst, 1802)
Atheta (Xenota) lativentris J.R. Sahlberg, 1876
Dadobia immersa (Erichson, 1837)
Dinaraea aequata (Erichson, 1837)
Dochmonota clancula (Erichson, 1837)
Eurodotina inquinula (Gravenhorst, 1802)
Liogluta microptera C.G. Thomson, 1867
Lyprocorrhhe anceps (Erichson, 1837)
Nehemitropia lividipennis (Mannerheim, 1830)
Notothecta (Notothecta) flavipes (Gravenhorst, 1806)
Pachnida nigella (Erichson, 1837)
Plataraea (Plataraea) dubiosa (G. Benick, 1935)
Schistoglossa aubei (Brisout de Barneville, 1860)
Schistoglossa gemina (Erichson, 1837)
Schistoglossa viduata (Erichson, 1837)

Tribe Autaliini C.G. Thomson, 1859

Autalia longicornis Scheerpeltz, 1947

Tribe Deinopsini Sharp, 1883

Deinopsis erosa (Stephens, 1832)

Tribe Falagriini Mulsant & Rey, 1873

Cordalia obscura (Gravenhorst, 1802)

Falagria caesa Erichson, 1837

Tribe Geostibini Seevers, 1978

- Alevonota egregia* (Rye, 1876)
Alevonota gracilentata (Erichson, 1839)*
Alevonota rufotestacea (Kraatz, 1856)
Geostiba (*Geostiba*) *circellaris* (Gravenhorst, 1806)

Tribe Homalotini Heer, 1839

Subtribe Bolitocharina C.G. Thomson, 1859

- Bolitochara obliqua* Erichson, 1837
Bolitochara pulchra (Gravenhorst, 1806)
Bolitochara tecta Assing, 2014
Euryusa (*Euryusa*) *castanoptera* Kraatz, 1856
Leptusa (*Leptusa*) *pulchella* (Mannerheim, 1830)
Phymatura brevicollis (Kraatz, 1856)
Tachyusida gracilis (Erichson, 1837)

Subtribe Gyrophaenina Kraatz, 1856

- Encephalus* (*Encephalus*) *complicans* Stephens, 1832
Gyrophaena (*Agaricophaena*) *boleti* (Linnaeus, 1758)
Gyrophaena (*Gyrophaena*) *bihamata* C.G. Thomson, 1867
Gyrophaena (*Gyrophaena*) *fasciata* (Marsham, 1802)
Gyrophaena (*Gyrophaena*) *gentilis* Erichson, 1839
Gyrophaena (*Gyrophaena*) *joyi* Wendlner, 1924
Gyrophaena (*Gyrophaena*) *joyioides* Wüsthoff, 1937
Gyrophaena (*Gyrophaena*) *lucidula* Erichson, 1837
Gyrophaena (*Gyrophaena*) *manca* Erichson, 1839
Gyrophaena (*Gyrophaena*) *nitidula* (Gyllenhal, 1810)
Gyrophaena (*Gyrophaena*) *orientalis* A. Strand, 1938
Gyrophaena (*Gyrophaena*) *poweri* Crotch, 1867
Gyrophaena (*Leptarthrophaena*) *affinis* Mannerheim, 1830
Gyrophaena (*Phaenogyra*) *strictula* Erichson, 1839

Subtribe Homalotina Heer, 1839

- Anomognathus cuspidatus* (Erichson, 1839)
Cyphea curtula (Erichson, 1837)
Homalota plana (Gyllenhal, 1810)

Tribe Hygronomini C.G. Thomson, 1859

Subtribe Hygronomina C.G. Thomson, 1859

Hygronoma dimidiata (Gravenhorst, 1806)

Tribe Hypocyphtini Laporte, 1835

Cypha discoidea (Erichson, 1839)

Cypha seminulum (Erichson, 1839)

Cypha tarsalis (Luze, 1902)

Holobus apicatus (Erichson, 1837)

Holobus flavicornis (Lacordaire, 1835)

Oligota granaria Erichson, 1837

Oligota inflata (Mannerheim, 1830)

Oligota parva Kraatz, 1862

Oligota pusillima (Gravenhorst, 1806)

Tribe Lomechusini Fleming, 1821

Subtribe Lomechusina Fleming, 1821

Lomechusa pubicollis Brisout de Barneville, 1860

Subtribe Myrmedoniina C.G. Thomson, 1867

Drusilla (Drusilla) canaliculata (Fabricius, 1787)

Pella cognata (Märkel, 1842)

Pella funesta (Gravenhorst, 1806)

Pella laticollis (Märkel, 1844)

Pella lugens (Gravenhorst, 1802)

Zyras (Zyras) collaris (Paykull, 1800)

Tribe Myllaenini Ganglbauer, 1895

Myllaena dubia (Gravenhorst, 1806)

Myllaena intermedia Erichson, 1837

Myllaena minuta (Gravenhorst, 1806)

Tribe Oxypodini C.G. Thomson, 1859

Subtribe Dinardina Mulsant & Rey, 1873

Dinarda hagensii Wasmann, 1889*

Thiasophila lohsei Zerche, 1987

Subtribe Meoticina Seevers, 1978

Meotica exilis (Gravenhorst, 1806)*Meotica filiformis* (Motschulsky, 1860)

Subtribe Microglottina Fenyes, 1918

Crataraea suturalis (Mannerheim, 1830)*Haploglossa villosula* (Stephens, 1832)

Subtribe Oxypodina C.G. Thomson, 1859

Calodera aethiops (Gravenhorst, 1802)*Calodera riparia* Erichson, 1837*Calodera uliginosa* Erichson, 1837*Dexiogyia corticina* (Erichson, 1837)*Ilyobates nigricollis* (Paykull, 1800)*Ocalea (Ocalea) badia* Erichson, 1837*Ocyusa maura* (Erichson, 1837)*Oxypoda (Baeoglana) praecox* Erichson, 1839*Oxypoda (Besopora) haemorrhoea* (Mannerheim, 1830)*Oxypoda (Disochara) elongatula* Aubé, 1850*Oxypoda (Disochara) procerula* Mannerheim, 1830*Oxypoda (Mycetodrepa) alternans* (Gravenhorst, 1802)*Oxypoda (Oxypoda) acuminata* (Stephens, 1832)*Oxypoda (Oxypoda) longipes* Mulsant & Rey, 1861*Oxypoda (Oxypoda) opaca* (Gravenhorst, 1802)*Oxypoda (Podoxya) brevicornis* (Stephens, 1832)*Oxypoda (Podoxya) hansseni* A. Strand, 1946*Oxypoda (Podoxya) skalitzkyi* Bernhauer, 1902**Oxypoda (Thliboptera) togata* Erichson, 1837

Subtribe Phloeoporina C.G. Thomson, 1859

Phloeopora corticalis corticalis (Gravenhorst, 1802)*Phloeopora nitidiventris* Fauvel, 1900*Phloeopora testacea* (Mannerheim, 1830)**Tribe Placusini Mulsant & Rey, 1871***Placusa (Placusa) atrata* (Mannerheim, 1830)*Placusa (Placusa) complanata* Erichson, 1839

Placusa (Placusa) depressa Mäklin, 1845

Placusa (Placusa) tachyporoides (Waltl, 1838)

Tribe Tachyusini C.G. Thomson, 1859

Brachyusa concolor (Erichson, 1839)

Dasygnypeta velata (Erichson, 1837)

Dilacra vilis (Erichson, 1837)

Ischnopoda leucopus (Marsham, 1802)

Ischnopoda umbratica (Erichson, 1837)

Tachyusa coarctata Erichson, 1837

Tachyusa constricta Erichson, 1837

Tachyusa objecta Mulsant & Rey, 1870

Thinonoma atra (Gravenhorst, 1806)

Subfamily SCAPHIDIINAE Latreille, 1806

Tribe Scaphidiini Latreille, 1806

Scaphidium quadrimaculatum G.-A. Olivier, 1790

Tribe Scaphisomatini Casey, 1893

Scaphisoma agaricinum (Linnaeus, 1758)

Scaphisoma assimile assimile Erichson, 1845*

Scaphisoma balcanicum Tamanini, 1954

Scaphisoma boreale Lundblad, 1952

Scaphisoma limbatum Erichson, 1845

Scaphisoma subalpinum subalpinum Reitter, 1880

Subfamily OXYTELINAE Fleming, 1821

Tribe Blediini Ádám, 2001

Bledius (Astycops) subterraneus Erichson, 1839

Bledius (Astycops) talpa (Gyllenhal, 1810)

Bledius (Bargus) opacus (Block, 1799)

Bledius (Bargus) pallipes (Gravenhorst, 1806)

Bledius (Bledius) tricornis (Herbst, 1784)

Bledius (Dicarenus) fergussoni fergussoni Joy, 1912

Bledius (Hesperophilus) dissimilis Erichson, 1840

Bledius (Hesperophilus) gallicus (Gravenhorst, 1806)

Tribe Coprophilini Heer, 1839

Coprophilus (Coprophilus) striatulus (Fabricius, 1792)

Tribe Oxytelini Fleming, 1821

- Anotylus hamatus* (Fairmaire & Laboulbène, 1856)
Anotylus insecatus (Gravenhorst, 1806)
Anotylus nitidulus (Gravenhorst, 1802)
Anotylus pumilus (Erichson, 1839)
Anotylus rugosus (Fabricius, 1775)
Anotylus tetracarinatus (Block, 1799)
Oxytelus (*Epomotylus*) *sculptus* Gravenhorst, 1806
Oxytelus (*Oxytelus*) *fulvipes* Erichson, 1839
Oxytelus (*Oxytelus*) *migrator* Fauvel, 1904†
Oxytelus (*Oxytelus*) *piceus* (Linnaeus, 1767)
Oxytelus (*Tanycraerus*) *laqueatus* (Marsham, 1802)*
Platystethus (*Craetopycrus*) *cornutus cornutus* (Gravenhorst, 1802)
Platystethus (*Craetopycrus*) *nitens* (C.R. Sahlberg, 1832)

Tribe Planeustomini Jacquelin du Val, 1857

- Manda mandibularis* (Gyllenhal, 1827)

Tribe Syntomiini Böving & Craighead, 1931

- Syntomium aeneum* (P. Müller, 1821)

Tribe Thinobiini J.R. Sahlberg, 1876

- Carpelimus* (*Carpelimus*) *fuliginosus* (Gravenhorst, 1802)
Carpelimus (*Carpelimus*) *lindrothi lindrothi* (Palm, 1943)
Carpelimus (*Carpelimus*) *obesus* (Kiesenwetter, 1844)
Carpelimus (*Carpelimus*) *pusillus* (Gravenhorst, 1802)
Carpelimus (*Paratrogophloeus*) *bilineatus* Stephens, 1834
Carpelimus (*Paratrogophloeus*) *rivularis* (Motschulsky, 1860)
Carpelimus (*Troginus*) *exiguus* (Erichson, 1839)
Carpelimus (*Trogophloeus*) *corticinus* (Gravenhorst, 1806)
Carpelimus (*Trogophloeus*) *elongatulus elongatulus* (Erichson, 1839)
Carpelimus (*Trogophloeus*) *gracilis* (Mannerheim, 1830)
Carpelimus (*Trogophloeus*) *manchuricus subtilicornis* (Roubal, 1946)
Carpelimus (*Trogophloeus*) *modestus* Casey, 1889
Thinobius (*Thinobius*) *flagellatus* Lohse, 1984

Subfamily OXYPORINAE Fleming, 1821

- Oxyporus mannerheimii* Gyllenhal, 1827
Oxyporus maxillosus Fabricius, 1792

Oxyporus rufus (Linnaeus, 1758)*

Subfamily STENINAE W.S. MacLeay, 1825

Stenus argus Gravenhorst, 1806 *

Stenus ater Mannerheim, 1830

Stenus bifoveolatus Gyllenhal, 1827

Stenus bimaculatus Gyllenhal, 1810

Stenus boops boops Ljungh, 1810

Stenus carbonarius Gyllenhal, 1827

Stenus cicindeloides (Schaller, 1783)

Stenus clavicornis (Scopoli, 1763)

Stenus comma comma LeConte, 1863

Stenus excubitor Erichson, 1839

Stenus flavipes flavipes Stephens, 1833*

Stenus formicetorum Mannerheim, 1843

Stenus fossulatus Erichson, 1840*

Stenus gallicus Fauvel, 1873

Stenus humilis Erichson, 1839

Stenus incrassatus Erichson, 1839

Stenus junco (Paykull, 1789)

Stenus lustrator Erichson, 1839

Stenus morio Gravenhorst, 1806

Stenus nanus Stephens, 1833

Stenus pubescens pubescens Stephens, 1833

Stenus similis (Herbst, 1784)

Stenus solutus Erichson, 1840

Stenus sylvester Erichson, 1839

Subfamily EUAESTHETINAE C.G. Thomson, 1859

Tribe Euaesthetini C.G. Thomson, 1859

Euaesthetus ruficapillus (Lacordaire, 1835)

Subfamily PAEDERINAE Fleming, 1821

Tribe Paederini Fleming, 1821

Subtribe Astenina Hatch, 1957

Astenus (Astenus) gracilis (Paykull, 1789)

Astenus (Astenus) pulchellus (Heer, 1839)

Subtribe Cryptobiina Casey, 1905

Ochtheophilum fracticornis (Paykull, 1800)

Subtribe Lathrobiina Laporte, 1835

Achenium humile humile (Nicolai, 1822)

Lathrobium (Lathrobium) brunripes (Fabricius, 1792)

Lathrobium (Lathrobium) flavipes Hochhuth, 1851

Lathrobium (Lathrobium) fovulum Stephens, 1833

Lathrobium (Lathrobium) fulvipenne (Gravenhorst, 1806)

Lathrobium (Lathrobium) geminum Kraatz, 1857

Lathrobium (Lathrobium) longulum Gravenhorst, 1802

Lathrobium (Lathrobium) rufipenne Gyllenhal, 1813

Tetartopeus quadratus (Paykull, 1789)

Tetartopeus rufonitidus (Reitter, 1909)

Tetartopeus terminatus (Gravenhorst, 1802)

Subtribe Medonina Casey, 1905

Lithocharis nigriceps Kraatz, 1859

Pseudomedon obscurellus (Erichson, 1840)

Subtribe Paederina Fleming, 1821

Paederus (Heteropaederus) fuscipes fuscipes Curtis, 1826

Paederus (Paederus) riparius (Linnaeus, 1758)

Paederus (Poederomorphus) littoralis littoralis Gravenhorst, 1802

Subtribe Scopaeina Mulsant & Rey, 1878

Scopaeus (Scopaeus) laevigatus (Gyllenhal, 1827)

Subtribe Stilicina Casey, 1905

Rugilus (Rugilus) angustatus (Geoffroy, 1785)

Rugilus (Rugilus) erichsonii (Fauvel, 1867)

Rugilus (Rugilus) rufipes Germar, 1836

Subfamily STAPHYLININAE Latreille, 1802

Tribe Othiini C.G. Thomson, 1859

Atrecus affinis (Paykull, 1789)

Othius punctulatus (Goeze, 1777)

Tribe Staphylinini Latreille, 1802

Subtribe Amblyopinina Seevers, 1944

Heterothops quadripunctulus (Gravenhorst, 1806)*Heterothops stiglundbergi* Israelson, 1979

Subtribe Philonthina Kirby, 1837

Bisnius cephalotes (Gravenhorst, 1802)**Bisnius fimetarius* (Gravenhorst, 1802)*Bisnius nitidulus* (Gravenhorst, 1802)*Bisnius puella* (Nordmann, 1837)*Bisnius sordidus* (Gravenhorst, 1802)*Bisnius subuliformis* (Gravenhorst, 1802)*Erichsonius (Erichsonius) cinerascens* (Gravenhorst, 1802)*Gabrius appendiculatus* Sharp, 1910*Gabrius austriacus* Scheerpeltz, 1947*Gabrius bescidicus* Smetana, 1954*Gabrius breviventer* (Sperk, 1835)*Gabrius exspectatus* Smetana, 1952*Gabrius osseticus* (Kolenati, 1846)*Gabrius trossulus* (Nordmann, 1837)*Neobisnius procerulus procerulus* (Gravenhorst, 1806)*Neobisnius villosulus* (Stephens, 1833)*Philonthus (Onychophilonthus) marginatus* (O.F. Müller, 1764)*Philonthus (Philonthus) addendus* Sharp, 1867*Philonthus (Philonthus) albipes* (Gravenhorst, 1802)*Philonthus (Philonthus) atratus* (Gravenhorst, 1802)*Philonthus (Philonthus) carbonarius* (Gravenhorst, 1802)*Philonthus (Philonthus) cognatus* Stephens, 1832*Philonthus (Philonthus) concinnus* (Gravenhorst, 1802)*Philonthus (Philonthus) corvinus* Erichson, 1839*Philonthus (Philonthus) cruentatus* (Gmelin, 1790)*Philonthus (Philonthus) cyanipennis* (Fabricius, 1792)*Philonthus (Philonthus) debilis* (Gravenhorst, 1802)*Philonthus (Philonthus) decorus* (Gravenhorst, 1802)*Philonthus (Philonthus) fumarius* (Gravenhorst, 1806)*Philonthus (Philonthus) furcifer* Renkonen, 1937*Philonthus (Philonthus) lepidus* (Gravenhorst, 1802)*Philonthus (Philonthus) micans* (Gravenhorst, 1802)*Philonthus (Philonthus) micantoides* G. Benick & Lohse, 1956*Philonthus (Philonthus) nigrita* (Gravenhorst, 1806)*Philonthus (Philonthus) politus* (Linnaeus, 1758)

Philonthus (Philonthus) quisquiliarius quisquiliarius (Gyllenhal, 1810)
Philonthus (Philonthus) rectangulus Sharp, 1874†
Philonthus (Philonthus) rubripennis Stephens, 1832
Philonthus (Philonthus) sanguinolentus (Gravenhorst, 1802)
Philonthus (Philonthus) splendens splendens (Fabricius, 1792)
Philonthus (Philonthus) succicola C.G. Thomson, 1860
Philonthus (Philonthus) tenuicornis Mulsant & Rey, 1853
Philonthus (Philonthus) umbratilis (Gravenhorst, 1802)
Philonthus (Philonthus) varians (Paykull, 1789)
Rabigus pullus (Nordmann, 1837)
Rabigus tenuis (Fabricius, 1792)

Subtribe Quediina Kraatz, 1857

Acylophorus wagenschieberi Kiesenwetter, 1850
Quedius (Microsaurus) cruentus (G.-A. Olivier, 1795)
Quedius (Microsaurus) longicornis Kraatz, 1857*
Quedius (Microsaurus) maurus (C.R. Sahlberg, 1830)
Quedius (Microsaurus) mesomelinus mesomelinus (Marsham, 1802)
Quedius (Microsaurus) scitus (Gravenhorst, 1806)
Quedius (Microsaurus) xanthopus Erichson, 1839
Quedius (Quedius) fuliginosus (Gravenhorst, 1802)
Quedius (Quedius) molochinus (Gravenhorst, 1806)
Quedius (Velleius) dilatatus (Fabricius, 1787)

Subtribe Staphylinina Latreille, 1802

Creophilus maxillosus maxillosus (Linnaeus, 1758)
Dinothenarus (Dinothenarus) pubescens pubescens (De Geer, 1774)
Emus hirtus (Linnaeus, 1758)
Ocypus (Matidus) nitens nitens (Schrank, 1781)
Ocypus (Ocypus) ophthalmicus ophthalmicus (Scopoli, 1763)
Ontholestes murinus (Linnaeus, 1758)
Ontholestes tessellatus (Geoffroy, 1785)
Ontholestes tessellatus (Geoffroy, 1785)
Platydracus (Platydracus) fulvipes (Scopoli, 1763)
Platydracus (Platydracus) latebricola (Gravenhorst, 1806)*
Platydracus (Platydracus) stercorarius stercorarius (G.-A. Olivier, 1795)
Staphylinus erythropterus erythropterus Linnaeus, 1758

Subtribe Tanygnathinina Reitter, 1909

Quedionuchus plagiatus (Mannerheim, 1843)

Tribe Xantholinini Erichson, 1839

- Gyrohypnus* (*Gyrohypnus*) *angustatus* Stephens, 1833
Gyrohypnus (*Gyrohypnus*) *fracticornis* (O.F. Müller, 1776)
Hypnogyra angularis (Ganglbauer, 1895)
Leptacinus intermedius Donisthorpe, 1936
Leptacinus sulcifrons (Stephens, 1833)
Nudobius lentus (Gravenhorst, 1806)
Xantholinus (*Purrolinus*) *tricolor* (Fabricius, 1787)
Xantholinus (*Xantholinus*) *ivoraki* Coiffait, 1956
Xantholinus (*Xantholinus*) *linearis linearis* (G.-A. Olivier, 1795)
Xantholinus (*Xantholinus*) *longiventris* Heer, 1839

Family SCYDMAENIDAE Leach, 1815**Supertribe SCYDMAENITAE Leach, 1815****Tribe Eutheini Casey, 1897**

- Eutheia scydmaenoides scydmaenoides* Stephens, 1830

Tribe Stenichnini Fauvel, 1885

- Euconnus* (*Euconnus*) *hirticollis* (Illiger, 1798)
Euconnus (*Napochus*) *claviger claviger* (P.W.J. Müller & Kunze, 1822)
Euconnus (*Neonapochus*) *maklinii* (Mannerheim, 1844)
Euconnus (*Psomophus*) *wetterhallii* (Gyllenhal, 1813)
Neuraphes (*Neuraphes*) *angulatus* (P.W.J. Müller & Kunze, 1822)
Neuraphes (*Neuraphes*) *elongatulus* (P.W.J. Müller & Kunze, 1822)
Stenichnus (*Stenichnus*) *bicolor* (Denny, 1825)
Stenichnus (*Stenichnus*) *collaris collaris* (P.W.J. Müller & Kunze, 1822)
Stenichnus (*Stenichnus*) *scutellaris* (P.W.J. Müller & Kunze, 1822)

Tribe Scydmaenini Leach, 1815

- Scydmaenus* (*Cholerus*) *hellwigii* (Herbst, 1791)
Scydmaenus (*Scydmaenus*) *tarsatus* P.W.J. Müller & Kunze, 1822

Series SCARABAEIFORMIA Crowson, 1960**Superfamily SCARABAEOIDEA Latreille, 1802****Family GEOTRUPIDAE Latreille, 1802****Subfamily GEOTRUPINAE Latreille, 1802****Tribe Geotrupini Latreille, 1802**

- Anoplotrupes stercorosus* (L.G. Scriba, 1791)

Geotrupes baicalicus Reitter, 1892
Trypocopris (Trypocopris) vernalis vernalis (Linnaeus, 1758)

Family TROGIDAE W.S. MacLeay, 1819
Subfamily TROGINAE W.S. MacLeay, 1819

Trox cadaverinus cadaverinus Illiger, 1802
Trox sabulosus sabulosus (Linnaeus, 1758)
Trox scaber (Linnaeus, 1767)

Family LUCANIDAE Latreille, 1804
Subfamily SYNDESINAE W.S. MacLeay, 1819
Tribe Ceruchini LeConte, 1861

Ceruchus chrysomelinus (Hochenwarth, 1785)

Tribe Sinodendrini LeConte, 1861

Sinodendron cylindricum (Linnaeus, 1758)

Subfamily LUCANINAE Latreille, 1804
Tribe Platycerini Mulsant, 1842

Platycerus caprea (De Geer, 1774)
Platycerus caraboides (Linnaeus, 1758)

Family SCARABAEIDAE Latreille, 1802
Subfamily APHODIINAE Leach, 1815
Tribe Aphodiini Leach, 1815
 Subtribe Aphodiina Leach, 1815

Acanthobodilus immundus (Creutzer, 1799)
Acrossus depressus (Kugelann, 1792)
Acrossus luridus (Fabricius, 1775)
Acrossus rufipes (Linnaeus, 1758)
Agoliinus nemoralis (Erichson, 1848)
Agrilinus ater (De Geer, 1774)
Ammoecius brevis (Erichson, 1848)*
Aphodius fimetarius (Linnaeus, 1758)
Bodilopsis rufa (Moll, 1782)
Bodilopsis sordida sordida (Fabricius, 1775)
Bodilus lugens (Creutzer, 1799)
Calamosternus granarius (Linnaeus, 1767)

Chilothorax distinctus distinctus (O.F. Müller, 1776)
Chilothorax melanosticus (W.L.E. Schmidt, 1840)
Colobopterus erraticus (Linnaeus, 1758)
Esymus pusillus pusillus (Herbst, 1789)
Euheptaulacus sus (Herbst, 1783)
Eupleurus subterraneus subterraneus (Linnaeus, 1758)
Liothorax plagiatus (Linnaeus, 1767)
Melinopterus prodromus (Brahm, 1790)
Melinopterus punctatosulcatus hirtipes (Fischer von Waldheim, 1844)
Mendidaphodius linearis (Reiche & Saulcy, 1856)
Nialus varians (Duftschmid, 1805)
Otophorus haemorrhoidalis (Linnaeus, 1758)
Oxyomus sylvestris (Scopoli, 1763)
Teuchestes fossor (Linnaeus, 1758)
Volinus sticticus (Panzer, 1798)

Tribe Psammodiini Mulsant, 1842

Subtribe Rhysemina Pittino & Mariani, 1986

Pleurophorus caesus (Creutzer, 1796)

Subfamily SCARABAEINAE Latreille, 1802

Tribe Coprini Leach, 1815

Copris (Copris) lunaris (Linnaeus, 1758)

Tribe Oniticellini H.J. Kolbe, 1905

Subtribe Oniticellina H.J. Kolbe, 1905

Euoniticellus fulvus (Goeze, 1777)

Tribe Onthophagini Streubel, 1846

Caccobius (Caccobius) schreberi (Linnaeus, 1767)
Onthophagus (Furconthophagus) furcatus (Fabricius, 1781)
Onthophagus (Palaeonthophagus) coenobita (Herbst, 1783)
Onthophagus (Palaeonthophagus) fracticornis (Preyssler, 1790)
Onthophagus (Palaeonthophagus) gibbulus gibbulus (Pallas, 1781)
Onthophagus (Palaeonthophagus) nuchicornis (Linnaeus, 1758)
Onthophagus (Palaeonthophagus) ovatus (Linnaeus, 1767)
Onthophagus (Palaeonthophagus) vacca (Linnaeus, 1767)

Subfamily MELOLONTHINAE Leach, 1819**Tribe Hopliini Latreille, 1829**

Hoplia (Hoplia) parvula Krynicky, 1832

Hoplia (Hoplia) zaitzevi Jakobson, 1914* {ZIN}

Tribe Melolonthini Leach, 1819

Melolontha hippocastani hippocastani Fabricius, 1801

Tribe Rhizotrogini Burmeister, 1855

Amphimallon altaicum (Mannerheim, 1825)

Amphimallon solstitiale solstitiale (Linnaeus, 1758)

Tribe Sericini Kirby, 1837

Maladera (Maladera) holosericea (Scopoli, 1772)

Serica (Serica) brunnea (Linnaeus, 1758)

Subfamily RUTELINAE W.S. MacLeay, 1819**Tribe Anomalini Streubel, 1839**

Subtribe Anisopliina Burmeister, 1844

Chaetopteropia segetum segetum (Herbst, 1783)

Subtribe Anomalina Streubel, 1839

Anomala dubia dubia (Scopoli, 1763)

Mimela holosericea (Fabricius, 1787)

Phyllopertha horticola (Linnaeus, 1758)

Subfamily DYNASTINAE W.S. MacLeay, 1819**Tribe Oryctini Mulsant, 1842**

Oryctes (Oryctes) nasicornis polonicus Minck, 1918

Subfamily CETONIINAE Leach, 1815**Tribe Cetoniini Leach, 1815**

Subtribe Cetoniina Leach, 1815

Cetonia (Cetonia) aurata aurata (Linnaeus, 1758)

Protaetia (Cetonischema) speciosissima (Scopoli, 1786)

Protaetia (Liocola) marmorata marmorata (Fabricius, 1792)

Protaetia (Potosia) cuprea volhyniensis (Gory & Percheron, 1833)
[indicated as *Protaetia metallica* (Herbst, 1782) in our publications Egorov and Ruchin 2013b, 2014]

Protaetia (Potosia) fieberi boldyrevi Jakobson, 1909

Subtribe Leucocelina Kraatz, 1882

Oxythyrea funesta (Poda von Neuhaus, 1761)

Tribe Osmodermatini Schenkling, 1922

Osmoderma barnabita Motschulsky, 1845

Tribe Trichiini Fleming, 1821

Subtribe Trichiina Fleming, 1821

Gnorimus variabilis (Linnaeus, 1758)

Trichius fasciatus (Linnaeus, 1758)

Tribe Valgini Mulsant, 1842

Valgus hemipterus hemipterus (Linnaeus, 1758)

Series SCIRTIFORMIA Fleming, 1821

Superfamily SCIRTOIDEA Fleming, 1821

Family SCIRTIDAE Fleming, 1821

Subfamily SCIRTINAE Fleming, 1821

Contacyphon padi (Linnaeus, 1758)

Contacyphon pubescens (Fabricius, 1792)

Contacyphon variabilis (Thunberg, 1787)

Elodes minutus (Linnaeus, 1767)

Microcara testacea (Linnaeus, 1767)

Scirtes hemisphaericus (Linnaeus, 1758)

Family EUCINETIDAE Lacordaire, 1857

Eucinetus haemorrhoidalis (Germar, 1818)

Series ELATERIFORMIA Crowson, 1960

Superfamily DASCILLOIDEA Guérin-Méneville, 1843 (1834)

Family DASCILLIDAE Guérin-Méneville, 1843 (1834)

Subfamily DASCILLINAE Guérin-Méneville, 1843 (1834)

Tribe Dascillini Guérin-Ménéville, 1843 (1834)

Dascillus cervinus (Linnaeus, 1758)

Superfamily BUPRESTOIDEA Leach, 1815**Family BUPRESTIDAE Leach, 1815****Subfamily CHRYSOCHROINAE Laporte, 1835****Tribe Chalcophorini Lacordaire, 1857**

Chalcophora mariana (Linnaeus, 1758)

Tribe Dicerini Gistel, 1848

Dicerca aenea aenea (Linnaeus, 1760)

Dicerca alni (Fischer von Waldheim, 1824)

Dicerca furcata (Thunberg, 1787)

Tribe Poecilonotini Jakobson, 1913

Poecilonota variolosa variolosa (Paykull, 1799)

Subfamily BUPRESTINAE Leach, 1815**Tribe Anthaxiini Gory & Laporte, 1839**

Anthaxia (Melanthaxia) quadripunctata quadripunctata (Linnaeus, 1758)

Tribe Buprestini Leach, 1815

Buprestis (Ancylocheira) haemorrhoidalis haemorrhoidalis Herbst, 1780

Buprestis (Ancylocheira) rustica rustica Linnaeus, 1758

Buprestis (Buprestis) octoguttata octoguttata Linnaeus, 1758

Tribe Chrysobothrini Gory & Laporte, 1837

Chrysobothris (Chrysobothris) affinis affinis (Fabricius, 1784)

Chrysobothris (Chrysobothris) chrysostigma chrysostigma (Linnaeus, 1758)

Tribe Melanophilini Bedel, 1921

Melanophila acuminata (De Geer, 1774)

Phaenops cyanea (Fabricius, 1775)

Subfamily AGRILINAE Laporte, 1835

Tribe Agrilini Laporte, 1835

Subtribe Agrilina Laporte, 1835

Agrilus angustulus angustulus (Illiger, 1803)**Agrilus ater* (Linnaeus, 1767)**Agrilus betuleti* (Ratzeburg, 1837)*Agrilus biguttatus* (Fabricius, 1777)*Agrilus cuprescens cuprescens* (Ménétriés, 1832)*Agrilus cyanescens cyanescens* (Ratzeburg, 1837)*Agrilus kaluganus* Obenberger, 1940 {ZIN}*Agrilus pratensis* (Ratzeburg, 1837)*Agrilus salicis* J. Frivaldszky, 1877*Agrilus sulcicollis* Lacordaire, 1835*Agrilus viridis* (Linnaeus, 1758)*Agrilus zigzag* Marseul, 1866**Tribe Coraebini Bedel, 1921**

Subtribe Coraebina Bedel, 1921

Coraebus elatus (Fabricius, 1787)**Tribe Tracheini Laporte, 1835**

Subtribe Tracheina Laporte, 1835

Trachys minutus minutus (Linnaeus, 1758)**Superfamily BYRRHOIDEA Latreille, 1804****Family BYRRHIDAE Latreille, 1804****Subfamily BYRRHINAE Latreille, 1804****Tribe Morychini El Moursy, 1961***Morychus aeneus* (Fabricius, 1775)*Lamprobyrrhulus nitidus* (Schaller, 1783)**Tribe Byrrhini Latreille, 1804***Byrrhus* (*Byrrhus*) *fasciatus* (Forster, 1771)*Byrrhus* (*Byrrhus*) *pilula pilula* (Linnaeus, 1758)*Byrrhus* (*Byrrhus*) *pustulatus pustulatus* (Forster, 1771)*Cytilus sericeus* (Forster, 1771)**Subfamily SYNCALYPTINAE Mulsant & Rey, 1869****Tribe Syncalyptini Mulsant & Rey, 1869**

Curimopsis (Curimopsis) paleata (Erichson, 1846)

Family ELMIDAE Curtis, 1830

Subfamily ELMINAE Curtis, 1830

Tribe Macronychini Gistel, 1848

Macronychus quadrituberculatus P.W.J. Müller, 1806

Family DRYOPIDAE Billberg, 1820 (1817)

Dryops auriculatus (Geoffroy, 1785)

Dryops ernesti Gozis, 1886

Family LIMNICHIDAE Erichson, 1846

Subfamily LIMNICHINAE Erichson, 1846

Limnichus sericeus (Duftschmid, 1825)

Family HETERO CERIDAE W.S. MacLeay, 1825

Subfamily HETERO CERINAE W.S. MacLeay, 1825

Tribe Augylini Pacheco, 1964

Augyles (Augyles) hispidulus (Kiesenwetter, 1843)

Tribe Heterocerini W.S. MacLeay, 1825

Heterocerus fenestratus (Thunberg, 1784)

Heterocerus fossor Kiesenwetter, 1843

Heterocerus fuscus fuscus Kiesenwetter, 1843

Heterocerus marginatus (Fabricius, 1787)

Superfamily ELATEROIDEA Leach, 1815

Family EUCNEMIDAE Eschscholtz, 1829

Subfamily MELASINAE Fleming, 1821

Tribe Calyptocerini Muona, 1993

Otho sphondylioides (Germar, 1818) {ZIN}

Tribe Dirhagini Reitter, 1911

Microrhagus emyi (Rouget, 1856) {ZIN}

Microrhagus lepidus (Rosenhauer, 1847) {ZIN}

Microrhagus pygmaeus (Fabricius, 1792) {ZIN}

Dirrhagofarsus attenuatus (Mäklin, 1845) {ZIN}

Rhacopus sahlbergi (Mannerheim, 1823) {ZIN}

Tribe Epiphanini Muona, 1993

Hylis olexai (Palm, 1955) {ZIN}

Hylis procerulus (Mannerheim, 1823) {ZIN}

Tribe Melasini Fleming, 1821

Isorhipis marmottani (Bonvouloir, 1871) {ZIN}

Isorhipis melasoides (Laporte, 1835)* {ZIN}

Melasis buprestoides (Linnaeus, 1760) {ZIN}

Subfamily EUCNEMINAE Eschscholtz, 1829

Tribe Eucnemini Eschscholtz, 1829

Eucnemis zaitzevi Mamaev, 1976* {ZIN}

[mistakenly indicated as *Eucnemis capucina* Ahrens, 1812 (Egorov et al. 2016, Kovalev and Egorov 2017)]

Tribe Euryptychini Mamaev, 1976

Dromaeolus barnabita (A. Villa & G.B. Villa, 1838) {ZIN}

Family THROSCIDAE Laporte, 1840

Subfamily THROSCINAE Laporte, 1840

Tribe Throscini Laporte, 1840

Trixagus dermestoides (Linnaeus, 1767) {ZIN}

Family ELATERIDAE Leach, 1815

Subfamily AGRYPNINAE Candèze, 1857

Tribe Agrypnini Candèze, 1857

Agrypnus murinus (Linnaeus, 1758)

Danosoma conspersum (Gyllenhal, 1808)

Danosoma fasciatum (Linnaeus, 1758)

Lacon lepidopterus (Panzer, 1800) {ZMMU}

Subfamily CARDIOPHORINAE Candèze, 1859

Tribe Cardiophorini Candèze, 1859

Cardiophorus (*Cardiophorus*) *ebeninus* (Germar, 1823)

Cardiophorus (Cardiophorus) ruficollis (Linnaeus, 1758)

Dicronychus equiseti (Herbst, 1784)

Subfamily DENDROMETRINAE Gistel, 1848

Tribe Dendrometrini Gistel, 1848

Subtribe Dendrometrina Gistel, 1848

Athous (Athous) haemorrhoidalis (Fabricius, 1801)

Athous (Athous) vittatus (Fabricius, 1792)

Athous (Haplathous) subfuscus (O.F. Müller, 1764)

Limonius minutus (Linnaeus, 1758)

Pheletes aeneoniger (De Geer, 1774)

Subtribe Denticollina Stein & J. Weise, 1877 (1848)

Denticollis borealis (Paykull, 1800) {ZIN}

Denticollis linearis (Linnaeus, 1758)

Denticollis rubens Piller et Mitterpacher, 1783* {ZIN}

Subtribe Hemicrepidiina Champion, 1894

Diacanthous undulatus (De Geer, 1774)

Hemicrepidius (Hemicrepidius) hirtus (Herbst, 1784)

Hemicrepidius (Hemicrepidius) niger (Linnaeus, 1758)

Tribe Hypnoidini Schwarz, 1906 (1860)

Hypnoidus riparius (Fabricius, 1792)

Tribe Prosternini Gistel, 1856

Actenicerus (Actenicerus) sjaelandicus (O.F. Müller, 1764)

Anostirus castaneus castaneus (Linnaeus, 1758)

Aplotarsus incanus (Gyllenhal, 1827)

Ctenicera pectinicornis (Linnaeus, 1758)

Orithales serraticornis serraticornis (Paykull, 1800)

Prosternon tessellatum (Linnaeus, 1758)

? *Pseudanostirus globicollis* (Germar, 1843) {Kurmaeva et al. 2008}

Tribe Selatosomini Schimmel, Tarnawski, Han et Platia, 2015

Subtribe Mosotalesina Schimmel, Tarnawski, Han et Platia, 2015

Mosotalesus (Mosotalesus) impressus impressus (Fabricius, 1792)

Mosotalesus (Mosotalesus) nigricornis (Panzer, 1799)

Subtribe Selatosomina Schimmel, Tarnawski, Han et Platia, 2015

Pristilophus cruciatus (Linnaeus, 1758)

Selatosomus (Selatosomus) aeneus (Linnaeus, 1758)

Selatosomus (Selatosomus) latus (Fabricius, 1801)

Subfamily ELATERINAE Leach, 1815

Tribe Agriotini Laporte, 1840

Subtribe Agriotina Laporte, 1840

Agriotes (Agriotes) lineatus (Linnaeus, 1767)

Agriotes (Agriotes) obscurus (Linnaeus, 1758)

Agriotes (Agriotes) sputator (Linnaeus, 1758)

Dalopius marginatus (Linnaeus, 1758)

Ectinus aterrimus (Linnaeus, 1760) {ZMMU}

Tribe Ampedini Gistel, 1848

Ampedus (Ampedus) balteatus (Linnaeus, 1758)

Ampedus (Ampedus) cinnabarinus (Eschscholtz, 1829)

Ampedus (Ampedus) elegantulus (Schönherr, 1817)

Ampedus (Ampedus) elongatulus (Fabricius, 1787) {ZMMU}

Ampedus (Ampedus) erythrogonus (P.W. Müller, 1821)

Ampedus (Ampedus) karpaticus (Buysson, 1886) {ZMMU}

Ampedus (Ampedus) nigerrimus (Lacordaire in Boisduval & Lacordaire, 1835) {ZMMU}

Ampedus (Ampedus) nigrinus (Herbst, 1784)

Ampedus (Ampedus) nigroflavus (Goeze, 1777)

Ampedus (Ampedus) pomonae (Stephens, 1830)

Ampedus (Ampedus) pomorum (Herbst, 1784)

Ampedus (Ampedus) praeustus (Fabricius, 1792)

Ampedus (Ampedus) sanguineus (Linnaeus, 1758)

Ampedus (Ampedus) sanguinolentus sanguinolentus (Schrank, 1776)

Ampedus (Ampedus) tristis (Linnaeus, 1758)

Tribe Elaterini Leach, 1815

Elater ferrugineus ferrugineus Linnaeus, 1758

Sericus (Sericus) brunneus brunneus (Linnaeus, 1758)

Sericus (Sericus) sulcipennis Buysson, 1893

Tribe Melanotini Candèze, 1859 (1848)

Melanotus (Melanotus) castanipes (Paykull, 1800)

Melanotus (Melanotus) villosus (Geoffroy, 1785)

Tribe Synaptini Gistel, 1856

Synaptus filiformis (Fabricius, 1781)

Subfamily NEGASTRIINAE Nakane & Kishii, 1956**Tribe Negastriini Nakane & Kishii, 1956**

Negastrius pulchellus (Linnaeus, 1760)

Oedostethus quadripustulatus (Fabricius, 1792)

Family LYCIDAE Laporte, 1838**Subfamily EROTINAE LeConte, 1881****Tribe Erotini LeConte, 1881**

Aplatopterus rubens (Gyllenhal, 1817)

Erotides (Glabroplatycis) nasutus (Kiesenwetter, 1874)

Lopheros lineatus (Gorham, 1883) {ZIN, ZMMU},

Platycis minutus (Fabricius, 1787)

Tribe Dictyopterini Houlbert, 1922

Subtribe Dictyopterina Houlbert, 1922

Dictyoptera aurora (Herbst, 1784)

Pyropterus nigroruber (De Geer, 1774)

Tribe Conderini Bocák et Bocáková, 1990

Xylobanellus erythropterus (Baudi di Selve, 1872)

Subfamily LYCINAE Laporte, 1838**Tribe Calochromini Lacordaire, 1857**

Lygistorpterus sanguineus (Linnaeus, 1758)

Family LAMPYRIDAE Rafinesque, 1815**Subfamily LAMPYRINAE Rafinesque, 1815****Tribe Lampyrini Rafinesque, 1815**

Lampyrus noctiluca (Linnaeus, 1758)

Family CANTHARIDAE Imhoff, 1856 (1815)**Subfamily CANTHARINAE Imhoff, 1856 (1815)**

Tribe Podabrini Gistel, 1856

Podabrus alpinus (Paykull, 1798)

Tribe Cantharini Imhoff, 1856 (1815)

Cantharis (*Cantharis*) *figurata* Mannerheim, 1843
Cantharis (*Cantharis*) *flavilabris* Fallén, 1807
Cantharis (*Cantharis*) *fusca* Linnaeus, 1758
Cantharis (*Cantharis*) *livida* Linnaeus, 1758
Cantharis (*Cantharis*) *nigricans* O.F. Müller, 1776
Cantharis (*Cantharis*) *obscura* Linnaeus, 1758
Cantharis (*Cantharis*) *pallida* Goeze, 1777
Cantharis (*Cantharis*) *paludosa* Fallén, 1807
Cantharis (*Cantharis*) *pellucida* Fabricius, 1792
Cantharis (*Cantharis*) *rufa* Linnaeus, 1758
Cantharis (*Cantharis*) *rustica* Fallén, 1807
Cantharis (*Cyrtomoptila*) *lateralis* Linnaeus, 1758
Rhagonycha (*Rhagonycha*) *atra* (Linnaeus, 1767)
Rhagonycha (*Rhagonycha*) *elongata* (Fallén, 1807)
Rhagonycha (*Rhagonycha*) *fugax fugax* Mannerheim, 1843
Rhagonycha (*Rhagonycha*) *fulva* (Scopoli, 1763)
Rhagonycha (*Rhagonycha*) *lignosa* (O.F. Müller, 1764)
Rhagonycha (*Rhagonycha*) *nigripes* (W. Redtenbacher, 1842)
Rhagonycha (*Rhagonycha*) *nigriventris* Motschulsky, 1860
Rhagonycha (*Rhagonycha*) *testacea* (Linnaeus, 1758)

Subfamily SILINAE Mulsant, 1862**Tribe Silini Mulsant, 1862**

Silis ruficollis (Fabricius, 1775)

Subfamily MALTHININAE Kiesenwetter, 1852**Tribe Malthinini Kiesenwetter, 1852**

Malthinus (*Malthinus*) *fasciatus* (G.-A. Olivier, 1790)
Malthinus (*Malthinus*) *flaveolus* (Herbst, 1786)
Malthinus (*Malthinus*) *frontalis* (Marsham, 1802)

Tribe Malthodini Böving & Craighead, 1931

Malthodes (*Malthodes*) *guttifer* Kiesenwetter, 1852*

Series BOSTRICHIFORMIA Forbes, 1926
Superfamily BOSTRICHIDEA Latreille, 1802
Family DERMESTIDAE Latreille, 1804
Subfamily DERMESTINAE Latreille, 1804
Tribe Dermestini Latreille, 1804

Dermestes (Dermestes) lardarius Linnaeus, 1758†
Dermestes (Dermestinus) frischii Kugelann, 1792†
Dermestes (Dermestinus) lanarius Illiger, 1801
Dermestes (Dermestinus) murinus murinus Linnaeus, 1758
Dermestes (Dermestinus) undulatus Brahm, 1790*

Subfamily ORPHILINAE LeConte, 1861

Orphilus niger (P. Rossi, 1790)

Subfamily ATTAGENINAE Laporte, 1840
Tribe Attagenini Laporte, 1840

Attagenus (Attagenus) schaefferi schaefferi (Herbst, 1792)
Attagenus (Attagenus) unicolor unicolor (Brahm, 1790)†

Subfamily MEGATOMINAE Leach, 1815
Tribe Anthrenini Gistel, 1848

Anthrenus (Anthrenus) scrophulariae scrophulariae (Linnaeus, 1758)
Anthrenus (Florilinus) museorum (Linnaeus, 1760)

Tribe Megatomini Leach, 1815

Ctesias (Ctesias) serra (Fabricius, 1792)
 ? *Globicornis (Hadrotoma) corticalis* (Eichhoff, 1863) {Egorov and Ruchin 2014}
Globicornis (Hadrotoma) emarginata (Gyllenhal, 1808)
Megatoma (Megatoma) undata undata (Linnaeus, 1758)
Trogoderma glabrum (Herbst, 1783)†

Family BOSTRICHIDAE Latreille, 1802
Subfamily BOSTRICHINAE Latreille, 1802
Tribe Bostrichini Latreille, 1802

Bostrichus capucinus (Linnaeus, 1758)

Subfamily DINODERINAE C.G. Thomson, 1863

Stephanopachys linearis (Kugelann, 1792)

Family PTINIDAE Latreille, 1802**Subfamily PTININAE Latreille, 1802****Tribe Ptinini Latreille, 1802**

Ptinus (Bruchoptinus) rufipes G.-A. Olivier, 1790

Ptinus (Cyphoderes) raptor Sturm, 1837

Ptinus (Ptinus) fur (Linnaeus, 1758)†

Ptinus (Ptinus) villiger (Reitter, 1884)

Subfamily ANOBIINAE Fleming, 1821**Tribe Anobiini Fleming, 1821**

Anobium punctatum (De Geer, 1774) {personal collection of S.K. Alekseev, Kaluga}

Cacotemnus rufipes (Fabricius, 1792)

Hadrobregmus pertinax (Linnaeus, 1758)

Priobium carpini (Herbst, 1793)

Stegobium paniceum (Linnaeus, 1758)†

Subfamily DORCATOMINAE C.G. Thomson, 1859**Tribe Dorcatomini C.G. Thomson, 1859**

Caenocara affine (Sturm, 1837)

Dorcatoma (Dorcatoma) dresdensis Herbst, 1792

Dorcatoma (Dorcatoma) robusta A. Strand, 1938

Dorcatoma (Pilosodorcatoma) chrysomelina Sturm, 1837

Dorcatoma (Sternitorcatoma) flavicornis (Fabricius, 1792)

Subfamily ERNOBIINAE Pic, 1912**Tribe Ernobiini Pic, 1912**

Ernobius explanatus explanatus (Mannerheim, 1843)

Ernobius longicornis (Sturm, 1837)

Subfamily PTILININAE Shuckard, 1839**Tribe Ptilinini Shuckard, 1839**

Ptilinus fuscus (Geoffroy, 1785)

Subfamily XYLETININAE Gistel, 1848**Tribe Xyletinini Gistel, 1848**

Xyletinus (Xyletinus) longitarsis longitarsis Jansson, 1942

Xyletinus (Xyletinus) pectinatus pectinatus (Fabricius, 1792)

Series CUCUJIFORMIA Lameere, 1938**Superfamily LYMEXYLOIDEA Fleming, 1821****Family LYMEXYLIDAE Fleming, 1821****Subfamily HYLECOETINAE Germar, 1818**

Elateroides dermestoides (Linnaeus, 1760)

Subfamily LYMEXYLINAE Fleming, 1821

Lymexylon navale (Linnaeus, 1758)

Superfamily CLEROIDEA Latreille, 1802**Family BIPHYLIDAE LeConte, 1861**

Biphyllus lunatus (Fabricius, 1787)

Diplocoelus fagi (Chevrolat, 1837)

Family BYTURIDAE Gistel, 1848**Subfamily BYTURINAE Gistel, 1848**

Byturus ochraceus (L.G. Scriba, 1790)

Byturus tomentosus (De Geer, 1774)

Family TROGOSSITIDAE Latreille, 1802**Subfamily PELTINAE Kirby, 1837****Tribe Lophocaterini Crowson, 1964**

Grynocharis oblonga (Linnaeus, 1758)

Tribe Peltini Kirby, 1837

Peltis ferruginea (Linnaeus, 1758)

Peltis grossa (Linnaeus, 1758)

Tribe Thymalini Lèveillé, 1888

Thymalus oblongus Reitter, 1889

Family CLERIDAE Latreille, 1802**Subfamily TILLINAE Fischer von Waldheim, 1813**

Tillus elongatus (Linnaeus, 1758)

Subfamily CLERINAE Latreille, 1802

Allonyx quadrimaculatus (Schaller, 1783) {ZIN}

Thanasimus femoralis (Zetterstedt, 1828)

Thanasimus formicarius formicarius (Linnaeus, 1758)

Trichodes apiarius (Linnaeus, 1758)

Subfamily KORYNETINAE Laporte, 1838

Necrobia violacea (Linnaeus, 1758)†

Family MELYRIDAE Leach, 1815**Subfamily RHADALINAE LeConte, 1861**

Aplocnemus (Aplocnemus) nigricornis nigricornis (Fabricius, 1792)

Subfamily DASYTINAE Laporte, 1840**Tribe Dasytini Laporte, 1840**

Dasytes (Dasytes) niger (Linnaeus, 1760)

Dasytes (Metadasytes) fuscus (Illiger, 1801)

Dolichosoma lineare (P. Rossi, 1794)

Subfamily MALACHIINAE Fleming, 1821**Tribe Malachiini Fleming, 1821**

Anthocomus (Anthocomus) fasciatus (Linnaeus, 1758)

Anthocomus (Anthocomus) rufus rufus (Herbst, 1784)

Anthocomus (Celidus) equestris (Fabricius, 1781)

Apalochrus femoralis Erichson, 1840

Charopus flavipes (Paykull, 1798)

Clanoptilus (Clanoptilus) geniculatus (Germar, 1823)

Cordylepherus viridis (Fabricius, 1787)

Ebaeus (Ebaeus) pedicularius pedicularius (Linnaeus, 1758)

Malachius (Malachius) aeneus (Linnaeus, 1758)

Malachius (Malachius) bipustulatus (Linnaeus, 1758)

Nepachys cardiaca (Linnaeus, 1760)

Superfamily CUCUJOIDEA Latreille, 1802**Family SPHINDIDAE Jacquelin du Val, 1860****Subfamily SPHINDINAE Jacquelin du Val, 1860***Sphindus dubius* (Gyllenhal, 1808)**Subfamily ASPIDIPHORINAE Kiesenwetter, 1877***Aspidiphorus orbiculatus* (Gyllenhal, 1808)**Family EROTYLIDAE Latreille, 1802****Subfamily EROTYLINAE Latreille, 1802****Tribe Dacnini Gistel, 1848***Combocerus glaber* (Schaller, 1783)**Dacne (Dacne) bipustulata* (Thunberg, 1781)**Tribe Tritomini Curtis, 1834***Triplax aenea* (Schaller, 1783)*Triplax collaris* (Schaller, 1783)*Triplax lepida* (Faldermann, 1837)**Triplax rufipes* (Fabricius, 1787)*Triplax russica* (Linnaeus, 1758)*Triplax scutellaris* Charpentier, 1825*Tritoma (Tritoma) bipustulata* Fabricius, 1775*Tritoma (Tritoma) subbasalis* (Reitter, 1896)**Family MONOTOMIDAE Laporte, 1840****Subfamily RHIZOPHAGINAE L. Redtenbacher, 1845***Rhizophagus (Anomophagus) cribratus* (Gyllenhal, 1827)*Rhizophagus (Eurhizophagus) depressus* (Fabricius, 1792)*Rhizophagus (Rhizophagus) bipustulatus* (Fabricius, 1792)*Rhizophagus (Rhizophagus) dispar* (Paykull, 1800)*Rhizophagus (Rhizophagus) fenestralis* (Linnaeus, 1758)*Rhizophagus (Rhizophagus) ferrugineus* (Paykull, 1800)*Rhizophagus (Rhizophagus) nitidulus* (Fabricius, 1798)*Rhizophagus (Rhizophagus) parallelocollis* (Gyllenhal, 1827)*Rhizophagus (Rhizophagus) perforatus* Erichson, 1845*Rhizophagus (Rhizophagus) picipes* (G.-A. Olivier, 1790)

Subfamily MONOTOMINAE Laporte, 1840*Monotoma picipes* Herbst, 1793**Family KATERETIDAE Kirby, 1837***Brachypterolus linariae* (Stephens, 1830)*Brachypterolus pulicarius* (Linnaeus, 1758)*Brachypterus fulvipes* Erichson, 1843*Brachypterus urticae* (Fabricius, 1792)*Heterbelus scutellaris* (Heer, 1841)*Kateretes pedicularius* (Linnaeus, 1758)*Kateretes pusillus* (Thunberg, 1794)**Family NITIDULIDAE Latreille, 1802****Subfamily EPURAEINAE Kirejtshuk, 1986****Tribe Epuraeini Kirejtshuk, 1986***Epuraea (Epuraea) aestiva* (Linnaeus, 1758)*Epuraea (Epuraea) longula* Erichson, 1845 {personal collection of S.K. Alekseev, Kaluga}*Epuraea (Epuraea) marseuli* Reitter, 1873*Epuraea (Epuraea) pallescens* (Stephens, 1835) {personal collection of S.K. Alekseev, Kaluga}*Epuraea (Epuraea) variegata* (Herbst, 1793)*Epuraea (Epuraeanella) neglecta* (Heer, 1841) {personal collection of S.K. Alekseev, Kaluga}**Subfamily CARPOPHILINAE Erichson, 1842***Carpophilus (Carpophilus) hemipterus* (Linnaeus, 1758)*†**Subfamily CRYPTARCHINAE C.G. Thomson, 1859****Tribe Cryptarchini C.G. Thomson, 1859***Cryptarcha strigata* (Fabricius, 1787)*Cryptarcha undata* (G.-A. Olivier, 1790)*Glischrochilus (Glischrochilus) quadripunctatus* (Linnaeus, 1758)*Glischrochilus (Librodor) grandis* (Tournier, 1872)*Glischrochilus (Librodor) hortensis* (Geoffroy, 1785)*Glischrochilus (Librodor) quadriguttatus* (Fabricius, 1777)**Glischrochilus (Librodor) quadrisignatus* (Say, 1835)*† {ZIN}*Pityophagus ferrugineus* (Linnaeus, 1760)

Subfamily NITIDULINAE Latreille, 1802**Tribe Cychramini Gistel, 1848***Cychramus luteus* (Fabricius, 1787)*Cychramus variegatus* (Herbst, 1792)**Tribe Cyllodini Everts, 1898***Cyllodes ater* (Herbst, 1792)**Tribe Nitidulini Latreille, 1802***Amphotis marginata* (Fabricius, 1781)*Ipidia* (*Hemipidia*) *sexguttata* (R.F. Sahlberg, 1834) {ZIN}*Ipidia* (*Ipidia*) *binotata* Reitter, 1875*Nitidula bipunctata* (Linnaeus, 1758)*Nitidula carnaria* (Schaller, 1783)*Nitidula rufipes* (Linnaeus, 1767)*Omosita colon* (Linnaeus, 1758)*Omosita depressa* (Linnaeus, 1758)*Omosita discoidea* (Fabricius, 1775)†*Omosita japonica* Reitter, 1874† {ZIN}*Pocadius ferrugineus* (Fabricius, 1775)*Soronia grisea* (Linnaeus, 1758)*Soronia punctatissima* (Illiger, 1794)***Subfamily MELIGETHINAE C.G. Thomson, 1859***Meligethes* (*Clypeogethes*) *aeneus* (Fabricius, 1775)*Meligethes* (*Meligethes*) *flavimanus* Stephens, 1830**Family CRYPTOPHAGIDAE Kirby, 1826****Subfamily CRYPTOPHAGINAE Kirby, 1826****Tribe Caenoscelini Casey, 1900***Caenoscelis subdeplanata* C.N.F. Brisout de Barneville, 1882†**Tribe Cryptophagini Kirby, 1826***Antherophagus pallens* (Linnaeus, 1758)*Antherophagus silaceus* (Herbst, 1792)*Antherophagus similis* Curtis, 1835

Cryptophagus fallax J. Balfour-Browne, 1953†
Cryptophagus pilosus Gyllenhal, 1827
Cryptophagus hexagonalis Tournier, 1872
Henoticus serratus (Gyllenhal, 1808)
Pteryngium crenatum (Fabricius, 1798)*
Telmatophilus caricis (G.-A. Olivier, 1790)
Telmatophilus typhae (Fallén, 1802)

Subfamily ATOMARIINAE LeConte, 1861

Tribe Atomariini LeConte, 1861

Atomaria (Anchicera) fuscata (Schönherr, 1808)
Curelius exiguus (Erichson, 1846)
Ephistemus globulus (Paykull, 1798)

Family SILVANIDAE Kirby, 1837

Subfamily BRONTINAE Blanchard, 1845

Tribe Brontini Blanchard, 1845

Dendrophagus crenatus (Paykull, 1799)
Uleiota planatus (Linnaeus, 1760)

Tribe Telephanini LeConte, 1861

Psammoecus bipunctatus (Fabricius, 1792)

Family SILVANINAE Kirby, 1837

Silvanoprus fagi (Guérin-Méneville, 1844)
Silvanus bidentatus (Fabricius, 1792)
Silvanus unidentatus (G.-A. Olivier, 1790)

Family CUCUJIDAE Latreille, 1802

Cucujus cinnaberinus (Scopoli, 1763)
Cucujus haematodes (Erichson, 1845)
Pediacus depressus (Herbst, 1797)
 ? *Pediacus fuscus* Erichson, 1845 {Plavilshchikov 1964}

Family PHALACRIDAE Leach, 1815

Subfamily PHALACRINAE Leach, 1815

Olibrus bimaculatus Küster, 1848

Phalacrus caricis Sturm, 1807
Phalacrus corruscus (Panzer, 1797)
Phalacrus substriatus Gyllenhal, 1813

Family LAEMOPHLOEIDAE Ganglbauer, 1899
Subfamily LAEMOPHLOEINAE Ganglbauer, 1899

Cryptolestes corticinus (Erichson, 1846) {personal collection of S.K. Alekseev, Kaluga}
Laemophloeus monilis (Fabricius, 1787)*
Laemophloeus muticus (Fabricius, 1781)
Lathropus sepicola (P.W.J. Müller, 1821)
Leptophloeus alternans (Erichson, 1846)
Placonotus testaceus (Fabricius, 1787)

Superfamily COCCINELLOIDEA Latreille, 1807
Family BOTHRIDERIDAE Erichson, 1845

Bothrideres bipunctatus (Gmelin, 1790)

Family CERYLONIDAE Billberg, 1820
Subfamily CERYLONINAE Billberg, 1820

Cerylon deplanatum Gyllenhal, 1827
Cerylon fagi C.N.F. Brisout de Barneville, 1867
Cerylon ferrugineum Stephens, 1830
Cerylon histeroides (Fabricius, 1792)
Cerylon impressum Erichson, 1845

Family LATRIDIIDAE Erichson, 1842
Subfamily LATRIDIINAE Erichson, 1842
Tribe Latridiini Erichson, 1842

Cartodere (*Cartodere*) *constricta* (Gyllenhal, 1827)
Enicmus brevicornis (Mannerheim, 1844)
Enicmus histrio Joy & Tomlin, 1910
Enicmus rugosus (Herbst, 1793)
Enicmus testaceus (Stephens, 1830)
Enicmus transversus (G.-A. Olivier, 1790)
Latridius brevicollis (C.G. Thomson, 1868)
Latridius consimilis (Mannerheim, 1844)
Latridius hirtus Gyllenhal, 1827
Latridius minutus (Linnaeus, 1767)†
Latridius porcatus Herbst, 1793

Stephostethus angusticollis (Gyllenhal, 1827)
Stephostethus lardarius (De Geer, 1775)
Stephostethus pandellei (C.N.F. Brisout de Barneville, 1863)
Thes bergrothi (Reitter, 1881)

Subfamily CORTICARIINAE Curtis, 1829

Corticaria ferruginea Marsham, 1802†
Corticarina minuta (Fabricius, 1792)
Corticarina truncatella (Mannerheim, 1844)
Corticinara gibbosa (Herbst, 1793)
Melanophthalma (Melanophthalma) transversalis (Gyllenhal, 1827)

Family CORYLOPHIDAE LeConte, 1852

Subfamily CORYLOPHINAE LeConte, 1852

Tribe Corylophini LeConte, 1852

Corylophus cassidoides (Marsham, 1802)

Tribe Parmulini Poey, 1854

Arthrolips convexiuscula (Motschulsky, 1849)
Clypastraea pusilla (Gyllenhal, 1810)

Tribe Sericoderini Matthews, 1886

Sericoderus lateralis (Gyllenhal, 1827)

Family ANAMORPHIDAE Strohecker, 1953

Clemmus troglodytes Hampe, 1850 {collection of Museum & Institute of Zoology, Polish Academy of Sciences, Warszawa, Poland}

Family ENDOMYCHIDAE Leach, 1815

Subfamily ENDOMYCHINAE Leach, 1815

Endomychus coccineus (Linnaeus, 1758)

Subfamily LEIESTINAE C.G. Thomson, 1863

Leiestes seminiger (Gyllenhal, 1808)

Subfamily LYCOPERDININAE Bromhead, 1838

Dapsa horvathi (Csiki, 1901)

Lycoperdina succincta (Linnaeus, 1767) {personal collection of S.K. Alekseev, Kaluga}

Mycetina cruciata (Schaller, 1783)

Family COCCINELLIDAE Latreille, 1807**Subfamily COCCIDULINAE Mulsant, 1846****Tribe Coccidulini Mulsant, 1846**

Coccidula rufa (Herbst, 1783)

Subfamily SCYMNINAE Mulsant, 1846**Tribe Hyperaspini Mulsant, 1846**

Hyperaspis (*Hyperaspis*) *concolor* (Suffrian, 1843)

Hyperaspis (*Hyperaspis*) *reppensis* (Herbst, 1783)

Tribe Scymnini Mulsant, 1846

Nephus (*Bipunctatus*) *bipunctatus* (Kugelann, 1794)

Nephus (*Nephus*) *redtenbacheri* (Mulsant, 1846)

Scymnus (*Neopullus*) *haemorrhoidalis* Herbst, 1797

Scymnus (*Pullus*) *ferrugatus* (Moll, 1785)

Scymnus (*Pullus*) *suturalis* Thunberg, 1795

Scymnus (*Scymnus*) *frontalis* (Fabricius, 1787)

Scymnus (*Scymnus*) *nigrinus* Kugelann, 1794

Tribe Stethorini Dobzhansky, 1924

Stethorus (*Stethorus*) *pusillus* (Herbst, 1797)*

Subfamily CHILOCORINAE Mulsant, 1846**Tribe Chilacorini Mulsant, 1846**

Chilocorus bipustulatus (Linnaeus, 1758)

Chilocorus renipustulatus (L.G. Scriba, 1791)

Exochomus quadripustulatus (Linnaeus, 1758)

Tribe Platynaspini Mulsant, 1846

Platynaspis luteorubra (Goeze, 1777)

Subfamily COCCINELLINAE Latreille, 1807**Tribe Halyziini Mulsant, 1846***Halyzia sedecimguttata* (Linnaeus, 1758)*Psyllobora* (*Thea*) *vigintiduopunctata* (Linnaeus, 1758)*Vibidia duodecimguttata* (Poda von Neuhaus, 1761)**Tribe Tytthaspidini Crotch, 1874***Anisosticta novemdecimpunctata* (Linnaeus, 1758)*Coccinula quatuordecimpustulata* (Linnaeus, 1758)*Tytthaspis gebleri* (Mulsant, 1850)*Tytthaspis sedecimpunctata* (Linnaeus, 1760)**Tribe Coccinellini Latreille, 1807***Adalia* (*Adalia*) *bipunctata* (Linnaeus, 1758)*Adalia* (*Adalia*) *decempunctata* (Linnaeus, 1758)*Anatis ocellata* (Linnaeus, 1758)*Calvia decemguttata* (Linnaeus, 1767) {ZIN}*Calvia quatuordecimguttata* (Linnaeus, 1758)*Calvia quindecimguttata* (Fabricius, 1777)*Ceratomegilla* (*Ceratomegilla*) *notata* (Laicharting, 1781)*Coccinella* (*Coccinella*) *hieroglyphica hieroglyphica* Linnaeus, 1758*Coccinella* (*Coccinella*) *magnifica* L. Redtenbacher, 1843*Coccinella* (*Coccinella*) *quinquepunctata* Linnaeus, 1758*Coccinella* (*Coccinella*) *septempunctata* Linnaeus, 1758*Harmonia axyridis* (Pallas, 1773)†*Harmonia quadripunctata* (Pontoppidan, 1763)*Hippodamia* (*Hemisphaerica*) *tredecimpunctata* (Linnaeus, 1758)*Hippodamia* (*Hippodamia*) *variegata* (Goeze, 1777)*Myrrha* (*Myrrha*) *octodecimguttata* (Linnaeus, 1758)*Mysia oblongoguttata oblongoguttata* (Linnaeus, 1758)*Oenopia conglobata conglobata* (Linnaeus, 1758)*Propylea quatuordecimpunctata* (Linnaeus, 1758)*Sospita vigintiguttata* (Linnaeus, 1758)**Subfamily EPILACHNINAE Mulsant, 1846****Tribe Epilachnini Mulsant, 1846***Subcoccinella vigintiquatuorpunctata* (Linnaeus, 1758)**Superfamily TENEBRIONOIDEA Latreille, 1802****Family MYCETOPHAGIDAE Leach, 1815**

Subfamily MYCETOPHAGINAE Leach, 1815**Tribe Mycetophagini Leach, 1815**

- Litargus (Litargus) connexus* (Geoffroy, 1785)
Mycetophagus (Arnoldiellus) tschitscherini (Reitter, 1897)
Mycetophagus (Ilendus) multipunctatus Fabricius, 1792
Mycetophagus (Mycetophagus) ater (Reitter, 1879)
Mycetophagus (Mycetophagus) quadripustulatus (Linnaeus, 1760)
Mycetophagus (Mycetoxides) fulvicollis Fabricius, 1792
Mycetophagus (Philomyces) populi Fabricius, 1798
Mycetophagus (Ulolendus) atomarius (Fabricius, 1787)
Mycetophagus (Ulolendus) piceus (Fabricius, 1777)
Triphyllus bicolor (Fabricius, 1777)

Tribe Typhaeini C.G. Thomson, 1863

- Typhaea stercorea* (Linnaeus, 1758)†

Family CIIDAE Leach, 1819**Subfamily CIINAE Leach, 1819**

- Cis bidentatus* (G.-A. Olivier, 1790)
Cis boleti (Scopoli, 1763)
Cis castaneus (Herbst, 1793)
Cis jacquemartii Mellié, 1848
Cis micans (Fabricius, 1792)
Ennearthron cornutum (Gyllenhal, 1827)
Hadraule elongatula (Gyllenhal, 1827)
Octotemnus glabriculus (Gyllenhal, 1827)
Orthocis alni (Gyllenhal, 1813)
Orthocis lucasi (Abeille de Perrin, 1874)
Sulcacis nitidus (Fabricius, 1792)

Family TETRATOMIDAE Billberg, 1820**Subfamily TETRATOMINAE Billberg, 1820**

- Tetratoma (Abstrulia) ancora* Fabricius, 1790* {ZIN}

Subfamily HALLOMENINAE Gistel, 1848

- Hallomenus (Hallomenus) axillaris* (Illiger, 1807)
Hallomenus (Hallomenus) binotatus (Quensel, 1790)

Family MELANDRYIDAE Leach, 1815**Subfamily MELANDRYINAE Leach, 1815**

Tribe Dircaeini Kirby, 1837

- Abdera (Caridua) affinis* (Paykull, 1799)
Abdera (Caridua) flexuosa (Paykull, 1799)
Dircaea quadriguttata (Paykull, 1798)
Phloiotrya (Phloiotrya) subtilis (Reitter, 1897)
Wanachia triguttata (Gyllenhal, 1810)

Tribe Hypulini Gistel, 1848

- Hypulus quercinus* (Quensel, 1790)

Tribe Melandryini Leach, 1815

- Melandrya (Melandrya) barbata* (Fabricius, 1787) {ZIN}
Melandrya (Paramelandrya) dubia (Schaller, 1783)
Phryganophilus (Phryganophilus) pseudauritus Nikitsky, 1988* {ZIN}
Phryganophilus (Phryganophilus) ruficollis (Fabricius, 1798)

Tribe Orchesiini Mulsant, 1856

- Orchesia (Clinocara) fasciata* (Illiger, 1798)
Orchesia (Orchesia) micans (Panzer, 1793)

Tribe Serropalpini Latreille, 1829

- Serropalpus barbatus* (Schaller, 1783)

Tribe Xylitini C.G. Thomson, 1864

- Xylita laevigata* (Hellenius, 1786)

Tribe Zilorini Desbrochers des Loges, 1900

- Zilora elongata* J.R. Sahlberg, 1881

Subfamily OSPHYINAE Mulsant, 1856 (1839)

- Osphya bipunctata* (Fabricius, 1775)

Family RIPIPHORIDAE Laporte, 1840**Subfamily PELECOTOMINAE Guérin-Méneville, 1857**

- Pelecotoma fennica* (Paykull, 1799)

Subfamily RIPIPHORINAE Laporte, 1840**Tribe Ripihorini Laporte, 1840***Metoecus paradoxus* (Linnaeus, 1760)**Family ZOPHERIDAE Solier, 1834****Subfamily COLYDIINAE Billberg, 1820****Tribe Colydiini Billberg, 1820***Aulonium trisulcum* (Geoffroy, 1785)*Colydium filiforme* Fabricius, 1792**Tribe Synchitini L. Redtenbacher, 1845***Bitoma crenata* (Fabricius, 1775)*Synchita humeralis* (Fabricius, 1792)**Family MORDELLIDAE Latreille, 1802****Subfamily MORDELLINAE Latreille, 1802****Tribe Curtimordini Odnosum, 2010***Curtimorda maculosa* (Næzén, 1794)**Tribe Mordellini Latreille, 1802***Hoshihananomia perlata* (Sulzer, 1776)*Mordella aculeata* Linnaeus, 1758*Mordella brachyura brachyura* Mulsant, 1856*Mordella holomelaena holomelaena* Apfelbeck, 1914*Mordella viridescens* A. Costa, 1854*Mordellaria aurofasciata* (Comolli, 1837)*Tomoxia bucephala bucephala* A. Costa, 1854*Variimorda (Variimorda) briantea* (Comolli, 1837)*Variimorda (Variimorda) mendax* Méquignon, 1946*Variimorda (Variimorda) villosa* (Schrank von Paula, 1781)**Tribe Mordellistenini Ermisch, 1941***Mordellistena (Mordellistena) hirtipes* Schilsky, 1895*Mordellistena (Mordellistena) humeralis* (Linnaeus, 1758)*Mordellistena (Mordellistena) micans* (Germar, 1817)*Mordellistena (Mordellistena) parvicauda* Ermisch, 1967*Mordellistena (Mordellistena) pentas* Mulsant, 1856*Mordellistena (Mordellistena) pumila* (Gyllenhal, 1810)

Mordellistena (Mordellistena) rugipennis Schilsky, 1895
Mordellistena (Mordellistena) secreta Horák, 1983
Mordellistena (Mordellistena) stenidea Mulsant, 1856
Mordellistena (Mordellistena) thuringiaca Ermisch, 1963
Mordellistena (Mordellistena) variegata (Fabricius, 1798)

Tribe Mordellochroini Odnosum, 2010

Mordellochroa abdominalis (Fabricius, 1775)

Family TENEBRIONIDAE Latreille, 1802

Subfamily LAGRIINAE Latreille, 1825 (1820)

Tribe Lagriini Latreille, 1825 (1820)

Subtribe Lagriina Latreille, 1825 (1820)

Lagria (Lagria) hirta (Linnaeus, 1758)
Lagria (Lagria) laticollis Motschulsky, 1860

Subfamily TENEBRIONINAE Latreille, 1802

Tribe Alphitobiini Reitter, 1917

Diaclina fagi (Panzer, 1799) {ZIN}

Tribe Bolitophagini Kirby, 1837

Subtribe Bolitophagina Kirby, 1837

Bolitophagus reticulatus (Linnaeus, 1767)
Eledona agricola (Herbst, 1783)

Tribe Melanimonini Seidlitz, 1894 (1854)

Melanimon tibialis tibialis (Fabricius, 1781)

Tribe Opatrini Brullé, 1832

Subtribe Opatrina Brullé, 1832

Opatrum (Opatrum) riparium W. Scriba, 1865
Opatrum (Opatrum) sabulosum sabulosum (Linnaeus, 1760)

Tribe Palorini Matthews, 2003

Palorus depressus (Fabricius, 1790)

Tribe Pedinini Eschscholtz, 1829

Subtribe Pedinina Eschscholtz, 1829

Pedinus (Pedinus) femoralis femoralis (Linnaeus, 1767)**Tribe Tenebrionini Latreille, 1802***Bius thoracicus* (Fabricius, 1792)*Neatus picipes* (Herbst, 1797)*Tenebrio molitor* Linnaeus, 1758†**Tribe Triboliini Gistel, 1848***Tribolium confusum* Jacquelin du Val, 1861†*Tribolium destructor* Uyttenboogaart, 1933†**Tribe Ulomini Blanchard, 1845***Uloma (Uloma) culinaris* (Linnaeus, 1758)*Uloma (Uloma) rufa* (Piller & Mitterpacher, 1783)**Subfamily DIAPERINAE Latreille, 1802****Tribe Crypticini Brullé, 1832***Crypticus (Crypticus) quisquilius quisquilius* (Linnaeus, 1760)**Tribe Diaperini Latreille, 1802***Diaperis boleti boleti* (Linnaeus, 1758)*Neomida haemorrhoidalis* (Fabricius, 1787)*Platydemus dejeanii* Laporte & Brullé, 1831**Tribe Hypophlaeini Billberg, 1820***Corticeus (Corticeus) bicolor* (G.-A. Olivier, 1790)*Corticeus (Corticeus) fasciatus* (Fabricius, 1790)*Corticeus (Corticeus) fraxini* (Kugelann, 1794)*Corticeus (Corticeus) linearis* (Fabricius, 1790)*Corticeus (Corticeus) longulus* (Gyllenhal, 1827)*Corticeus (Corticeus) pini* (Panzer, 1799)*Corticeus (Corticeus) suturalis* (Paykull, 1800)*Corticeus (Corticeus) unicolor* Piller & Mitterpacher, 1783

Tribe Scaphidemini Reitter, 1922

Scaphidema metallica metallica (Fabricius, 1792)

Subfamily ALLECULINAE Laporte, 1840**Tribe Alleculini Laporte, 1840**

Subtribe Alleculina Laporte, 1840

Hymenorus doublieri Mulsant, 1852

Subtribe Gonoderina Seidlitz, 1896

Isomira (Isomira) murina murina (Linnaeus, 1758)

Pseudocistela ceramboides (Linnaeus, 1758)

Subtribe Mycetocharina Gistel, 1848

Mycetochara (Mycetochara) axillaris (Paykull, 1799)

Mycetochara (Mycetochara) flavipes (Fabricius, 1792)

Tribe Cteniopodini Solier, 1835

? *Cteniopus (Cteniopus) sulphureus* (Linnaeus, 1758)

(indicated as *C. flavus* (Scopoli, 1763) {Plavilshchikov 1964})

Subfamily STENOCHIINAE Kirby, 1837**Tribe Cnodalonini Oken, 1843**

Upis ceramboides (Linnaeus, 1758)

Family OEDEMERIDAE Latreille, 1810**Subfamily CALOPODINAE Costa, 1852**

Calopus serraticornis (Linnaeus, 1758)

Subfamily OEDEMERINAE Latreille, 1810**Tribe Ditylini Mulsant, 1858**

Chrysanthia geniculata geniculata W.L.E. Schmidt, 1846

Chrysanthia viridissima (Linnaeus, 1758)

Ditylus laevis laevis (Fabricius, 1787)

Tribe Oedemerini Latreille, 1810

- Oedemera (Oedemera) femorata* (Scopoli, 1763)
Oedemera (Oedemera) lurida lurida (Marsham, 1802)
Oedemera (Oedemera) virescens virescens (Linnaeus, 1767)

Family MELOIDAE Gyllenhal, 1810**Subfamily MELOINAE Gyllenhal, 1810****Tribe Cerocomini Leach, 1815**

- Cerocoma (Cerocoma) schaefferi* (Linnaeus, 1758)

Tribe Lyttini Streubel, 1846

- Alosimus syriacus austriacus* (Schrank von Paula, 1781)
Lytta (Lytta) vesicatoria vesicatoria (Linnaeus, 1758)

Tribe Mylabrini Rafinesque, 1815

- ? *Hycleus polymorphus polymorphus* (Pallas, 1771) {Plavilshchikov 1964}
 ? *Mylabris (Eumylabris) fabricii* Sumakov, 1924 {Plavilshchikov 1964}
Mylabris (Micrabris) sibirica Fischer von Waldheim, 1823

Tribe Meloini Gyllenhal, 1810

- Meloe (Eurymeloe) brevicollis brevicollis* Panzer, 1793
Meloe (Lampromeloe) variegatus variegatus Donovan, 1793
Meloe (Meloe) proscarabaeus proscarabaeus Linnaeus, 1758
Meloe (Meloe) violaceus Marsham, 1802

Family BORIDAE C.G. Thomson, 1859**Subfamily BORINAE C.G. Thomson, 1859**

- Boros schneideri* (Panzer, 1796)

Family PYTHIDAE Solier, 1834

- Pytho depressus* (Linnaeus, 1767)

Family PYROCHROIDAE Latreille, 1806**Subfamily PYROCHROINAE Latreille, 1806**

- Pyrochroa coccinea* (Linnaeus, 1760)
Schizotus pectinicornis (Linnaeus, 1758)

Family SALPINGIDAE Leach, 1815**Subfamily SALPINGINAE Leach, 1815**

Lissodema cursor (Gyllenhal, 1813)

Rabocerus foveolatus (Ljungh, 1823)

Salpingus planirostris (Fabricius, 1787)

Salpingus ruficollis (Linnaeus, 1760)

Sphaeriestes bimaculatus (Gyllenhal, 1810)

Family ANTHICIDAE Latreille, 1819**Subfamily ANTHICINAE Latreille, 1819****Tribe Anthicini Latreille, 1819**

Anthicus antherinus antherinus (Linnaeus, 1760)

Anthicus ater (Thunberg, 1787)

Hirticomus hispidus (Rossi, 1792)

Omonadus floralis (Linnaeus, 1758)†

Subfamily NOTOXINAE Stephens, 1829

Notoxus monoceros (Linnaeus, 1760)

Family ADERIDAE Csiki, 1909**Tribe Aderini Csiki, 1909**

Aderus populneus (Creutzer, 1796)

Anidorus nigrinus (Germar, 1842)

Tribe Euglenesini Seidlitz, 1875

Euglenes pygmaeus (De Geer, 1775)

Tribe Phytobaenini Báguena Corella, 1948

Phytobaenus amabilis amabilis R.F. Sahlberg, 1834

Family SCRAPTIIDAE Gistel, 1848**Subfamily SCRAPTIINAE Gistel, 1848****Tribe Scruptiini Gistel, 1848**

Scruptia fuscula P.W.J. Müller, 1821

Subfamily ANASPIDINAE Mulsant, 1856**Tribe Anaspidini Mulsant, 1856**

- Anaspis (Anaspis) frontalis* (Linnaeus, 1758)
Anaspis (Anaspis) thoracica (Linnaeus, 1758)
Anaspis (Nassipa) rufilabris (Gyllenhal, 1827)
Cyrtanaspis phalerata (Germar, 1847)

Superfamily CHRYSOMELOIDEA Latreille, 1802**Family CERAMBYCIDAE Latreille, 1802****Subfamily PRIONINAE Latreille, 1802****Tribe Prionini Latreille, 1802**

- Prionus coriarius* (Linnaeus, 1758)

Subfamily LEPTURINAE Latreille, 1802**Tribe Lepturini Latreille, 1802**

- Alosterna ingrlica* (Baeckmann, 1902)
Alosterna tabacicolor tabacicolor (De Geer, 1775)
Anastrangalia reyi (L. Heyden, 1889)
Anastrangalia sanguinolenta (Linnaeus, 1760)
Anoplodera (Anoplodera) sexguttata (Fabricius, 1775)
Etorofus (Etorofus) pubescens (Fabricius, 1787)
Judolia sexmaculata (Linnaeus, 1758)
Leptura (Leptura) annularis annularis Fabricius, 1801
Leptura (Leptura) aurulenta Fabricius, 1793 {ZIN}
Leptura (Leptura) quadrifasciata quadrifasciata Linnaeus, 1758
Leptura (Macroleptura) thoracica Creutzer, 1799
Lepturalia nigripes nigripes (De Geer, 1775)
Lepturobosca virens (Linnaeus, 1758)
Nivellia sanguinosa (Gyllenhal, 1827)
Oedecnema gebleri (Ganglbauer, 1889)
Pseudovadonia livida bicarinata (N. Arnold, 1869)
Rutpela maculata maculata (Poda von Neuhaus, 1761)
Stenurella (Priscostenurella) bifasciata bifasciata (O.F. Müller, 1776)
Stenurella (Stenurella) melanura melanura (Linnaeus, 1758)
Stictoleptura (Aredolpona) rubra rubra (Linnaeus, 1758)
Stictoleptura (Maculileptura) maculicornis (De Geer, 1775)
Stictoleptura (Variileptura) variicornis (Dalman, 1817)
Strangalia attenuata (Linnaeus, 1758)

Tribe Oxymirini Danilevsky, 1997

Oxymirus cursor (Linnaeus, 1758)

Tribe Rhagiini Kirby, 1837

Brachyta (*Brachyta*) *interrogationis russica* (Herbst, 1784)

Carilia virginea virginea (Linnaeus, 1758)

Cortodera femorata (Fabricius, 1787)

Dinoptera collaris (Linnaeus, 1758)

Euracmaeops angusticollis (Gebler, 1833)

Euracmaeops marginatus (Fabricius, 1781)

Euracmaeops septentrionis (C.G. Thomson, 1866)

Evodinellus (*Evodinellus*) *borealis* (Gyllenhal, 1827)

Gnathacmaeops pratensis (Laicharting, 1784)

Pachyta quadrimaculata (Linnaeus, 1758)

Rhagium (*Megarhagium*) *mordax* (De Geer, 1775)

Rhagium (*Megarhagium*) *sycophanta* (Schrank, 1781)

Rhagium (*Rhagium*) *inquisitor inquisitor* (Linnaeus, 1758)

Stenocorus (*Stenocorus*) *meridianus* (Linnaeus, 1758)

Tribe Rhamnusiini Sama, 2009

Rhamnusium bicolor constans Danilevsky, 2012

Subfamily NECYDALINAE Latreille, 1825

Necydalis (*Necydalis*) *major* Linnaeus, 1758

Subfamily SPONDYLIDINAE Audinet-Serville, 1832**Tribe Asemini J. Thomson, 1861**

Arhopalus rusticus rusticus (Linnaeus, 1758)

Asemum striatum (Linnaeus, 1758)

Tribe Spondylidini Audinet-Serville, 1832

Spondylis buprestoides (Linnaeus, 1758)

Tribe Tetropiini Seidlitz, 1891

Tetropium castaneum (Linnaeus, 1758)

Tetropium fuscum fuscum (Fabricius, 1787) {personal collection of S.K. Alekseev, Kaluga}

Subfamily CERAMBYCINAE Latreille, 1802**Tribe Callichromatini Swainson & Shuckard, 1840**

Aromia moschata moschata (Linnaeus, 1758)

Tribe Callidiini Kirby, 1837

Callidium (*Callidium*) *violaceum* (Linnaeus, 1758)

Callidium (*Callidostola*) *aeneum aeneum* (De Geer, 1775)

Callidium (*Palaeocallidium*) *coriaceum* (Paykull, 1800)

Phymatodes (*Phymatoderus*) *abietinus* Plavilstshikov & Lurie, 1960 {ZIN}

Semanotus undatus (Linnaeus, 1758)

Tribe Clytini Mulsant, 1839

Chlorophorus (*Immaculatus*) *herbstii* (Brahm, 1790)

Clytus (*Clytus*) *arietis arietis* (Linnaeus, 1758)

Cyrtoclytus capra (Germar, 1823)

Plagionotus arcuatus arcuatus (Linnaeus, 1758)

Plagionotus detritus detritus (Linnaeus, 1758)

Rhaphuma gracilipes (Faldermann, 1835)

Xylotrechus (*Rusticoclytus*) *rusticus* (Linnaeus, 1758)

Xylotrechus (*Xylotrechus*) *antilope antilope* (Schoenherr, 1817)

Xylotrechus (*Xylotrechus*) *capricornus* (Gebler, 1830)

Tribe Deilini Fairmaire, 1864

Deilus fugax (G.-A. Olivier, 1790)

Tribe Hesperophanini Mulsant, 1839

Subtribe Hesperophanina Mulsant, 1839

Trichoferus campestris (Faldermann, 1835)†

Tribe Molorchini Gistel, 1848

Molorchus (*Caenoptera*) *minor minor* (Linnaeus, 1758)

Molorchus (*Molorchus*) *marmottani marmottani* Brisout de Barneville, 1863

Tribe Oabriini Mulsant, 1839

Obrium cantharinum cantharinum (Linnaeus, 1767)

Tribe Purpuricenini J. Thomson, 1861

Purpuricenus globulicollis globulicollis Dejean, 1839 {ZIN}

Purpuricenus kaehleri kaehleri (Linnaeus, 1758)

Subfamily LAMIINAE Latreille, 1825**Tribe Acanthocinini Blanchard, 1845**

Acanthocinus (Acanthocinus) aedilis (Linnaeus, 1758)

Acanthocinus (Acanthocinus) griseus (Fabricius, 1793)

Leiopus (Leiopus) linnei Wallin, Nylander & Kvamme, 2009

Tribe Acanthoderini J. Thomson, 1860

Aegomorphus clavipes (Schrank, 1781)

Aegomorphus obscurior (Pic, 1904)

Oplosia cinerea (Mulsant, 1839)*

Tribe Agapanthiini Mulsant, 1839

Agapanthia (Agapanthia) cardui (Linnaeus, 1767)

Agapanthia (Epopetes) villosoviridescens (De Geer, 1775)

Agapanthia (Smaragdula) intermedia Ganglbauer, 1884

Tribe Exocentrini Pascoe, 1864

Exocentrus lusitanus (Linnaeus, 1767)

Tribe Lamiini Latreille, 1825

Lamia textor (Linnaeus, 1758)

Tribe Mesosini Mulsant, 1839

Mesosa (Mesosa) myops (Dalman, 1817)

Tribe Monochamini Gistel, 1848

Monochamus (Monochamus) galloprovincialis pistor (Germar, 1818)

Monochamus (Monochamus) saltuarius occidentalis Sláma, 2017

Monochamus (Monochamus) sutor sutor (Linnaeus, 1758)

Monochamus (Monochamus) urussovii (Fischer von Waldheim, 1805)

Tribe Phytoeciini Mulsant, 1839

- Oberea (Oberea) oculata* (Linnaeus, 1758)
Phytoecia (Opsilia) coeruleescens coeruleescens (Scopoli, 1763)
Phytoecia (Phytoecia) cylindrica (Linnaeus, 1758)
Phytoecia (Phytoecia) nigricornis (Fabricius, 1782)
Phytoecia (Phytoecia) pustulata pustulata (Schrank, 1776)

Tribe Pogonocherini Mulsant, 1839

- Pogonocherus (Pogonocherus) hispidulus* (Piller & Mitterpacher, 1783)
Pogonocherus (Pityphilus) decoratus Fairmaire, 1855
Pogonocherus (Pityphilus) fasciculatus fasciculatus (De Geer, 1775)

Tribe Saperdini Mulsant, 1839

- Saperda (Lopezcolonia) perforata* (Pallas, 1773)
Saperda (Lopezcolonia) scalaris scalaris (Linnaeus, 1758)
Saperda (Saperda) carcharias (Linnaeus, 1758)
Stenostola dubia (Laicharting, 1784) {ZIN}
Stenostola ferrea ferrea (Schrank, 1776)

Tribe Tetropini Portevin, 1927

- Tetrops (Tetrops) praeustus praeustus* (Linnaeus, 1758)

Family MEGALOPODIDAE Latreille, 1802**Subfamily ZEUGOPHORINAE Böving & Craighead, 1931**

- Zeugophora (Zeugophora) scutellaris* Suffrian, 1840
Zeugophora (Zeugophora) subspinosa (Fabricius, 1781) {ZIN}

Family ORSODACNIDAE C.G. Thomson, 1859**Subfamily ORSODACNINAE C.G. Thomson, 1859**

- Orsodacne cerasi* (Linnaeus, 1758)

Family CHRYSOMELIDAE Latreille, 1802**Subfamily BRUCHINAE Latreille, 1802****Tribe Amblycerini Bridwell, 1932**

Subtribe Spermophagina Borowiec, 1987

- Spermophagus sericeus* (Geoffroy, 1785)

Tribe Bruchini Latreille, 1802

Subtribe Bruchina Latreille, 1802

Bruchus atomarius (Linnaeus, 1760)*Bruchus loti* Paykull 1800**Subfamily DONACIINAE Kirby, 1837****Tribe Donaciini Kirby, 1837***Donacia antiqua* Kunze, 1818*Donacia aquatica* (Linnaeus, 1758)*Donacia bicolora bicolora* Zschach, 1788*Donacia cinerea* Herbst, 1784*Donacia clavipes clavipes* Fabricius, 1792*Donacia crassipes* Fabricius, 1775*Donacia dentata* Hoppe, 1795*Donacia impressa* Paykull, 1799*Donacia marginata* Hoppe, 1795*Donacia obscura* Gyllenhal, 1813*Donacia semicuprea* Panzer, 1796*Donacia tomentosa* Ahrens, 1810*Donacia vulgaris vulgaris* Zschach, 1788**Tribe Plateumarini Boving, 1922***Plateumaris (Euplateumaris) discolor discolor* (Panzer, 1795)*Plateumaris (Euplateumaris) sericea sericea* (Linnaeus, 1758)**Subfamily CRIOCERINAE Latreille, 1804**? *Crioceris asparagi* (Linnaeus, 1758) {Plavilshchikov 1964}*Lema (Lema) cyanella* (Linnaeus, 1758)*Lilioceris merdigera* (Linnaeus, 1758)*Oulema erichsonii* (Suffrian, 1841)*Oulema gallaeciana* (L. Heyden, 1870)*Oulema melanopus* (Linnaeus, 1758)**Subfamily CASSIDINAE Gyllenhal, 1813****Tribe Cassidini Gyllenhal, 1813***Cassida denticollis* Suffrian, 1844*Cassida flaveola* Thunberg, 1794*Cassida lineola* Creutzer, 1799

Cassida margaritacea Schaller, 1783
Cassida nebulosa Linnaeus, 1758
Cassida nobilis Linnaeus, 1758
Cassida pannonica Suffrian, 1844
Cassida panzeri J. Weise, 1907
Cassida prasina Illiger, 1798
Cassida rubiginosa rubiginosa O.F. Müller, 1776
Cassida sanguinolenta O.F. Müller, 1776
Cassida sanguinosa Suffrian, 1844
Cassida stigmatica Suffrian, 1844
Cassida subreticulata Suffrian, 1844
Cassida vibex Linnaeus, 1767
Cassida viridis Linnaeus, 1758
Hypocassida subferruginea (Schrank, 1776)

Tribe Hispini Gyllenhal, 1813

Hispa atra Linnaeus, 1767

Subfamily CHRYSOMELINAE Latreille, 1802

Tribe Chrysomelini Latreille, 1802

Subtribe Chrysomelina Latreille, 1802

Chrysomela collaris Linnaeus, 1758
Chrysomela populi Linnaeus, 1758
Chrysomela tremula Fabricius, 1787
Chrysomela vigintipunctata (Scopoli, 1763)
Plagioderma versicolora (Laicharting, 1781)
Plagiosterna aenea (Linnaeus, 1758)

Subtribe Gastrophysina Kippenberg, 2010

Gastrophysa (Gastrophysa) polygoni polygoni (Linnaeus, 1758)
Gastrophysa (Gastrophysa) viridula viridula (De Geer, 1775)

Subtribe Phratorina Motschulsky, 1860

Phratora (Phratora) vulgatissima (Linnaeus, 1758)
Phratora (Phyllodecta) atrovirens (Cornelius, 1857)
Phratora (Phyllodecta) laticollis (Suffrian, 1851)
Phratora (Phyllodecta) tibialis tibialis (Suffrian, 1851)
Phratora (Phyllodecta) vitellinae (Linnaeus, 1758)

Subtribe Prasocurina Gistel, 1848

- Phaedon (Phaedon) armoraciae* (Linnaeus, 1758)
Phaedon (Phaedon) cochleariae cochleariae (Fabricius, 1792)
Phaedon (Phaedon) laevigatus laevigatus (Duftschmid, 1825)
Prasocuris (Hydrothassa) glabra (Herbst, 1783)
Prasocuris (Hydrothassa) hannoveriana (Fabricius, 1775)
Prasocuris (Hydrothassa) marginella marginella (Linnaeus, 1758)
Prasocuris (Prasocuris) junci (Brahm, 1790)
Prasocuris (Prasocuris) phellandrii (Linnaeus, 1758)

Tribe Doryphorini Motschulsky, 1860

Subtribe Chrysolinina S.-H. Chen, 1936

- Chrysolina (Anopachys) eurina* (Fivaldszky, 1883)† {ZIN}
Chrysolina (Chalcoidea) analis (Linnaeus, 1767)
Chrysolina (Chalcoidea) besseri (Krynicky, 1832)
Chrysolina (Chalcoidea) marginata marginata (Linnaeus, 1758)
Chrysolina (Chrysolina) staphylaea staphylaea (Linnaeus, 1758)
Chrysolina (Colaphodes) haemoptera (Linnaeus, 1758)
Chrysolina (Colaphosoma) sturmi sturmi (Westhoff, 1882)
Chrysolina (Erythrochrysa) polita polita (Linnaeus, 1758)
Chrysolina (Euchrysolina) graminis graminis (Linnaeus, 1758)
Chrysolina (Fastuolina) fastuosa fastuosa (Scopoli, 1763)
Chrysolina (Hypericia) geminata (Paykull, 1799)
Chrysolina (Hypericia) hyperici (Forster, 1771)
Chrysolina (Sphaeromela) varians (Schaller, 1783)
Chrysolina (Stichoptera) gypsophilae (Küster, 1845)
Chrysolina (Stichoptera) sanguinolenta (Linnaeus, 1758)
Chrysolina (Synerga) herbacea (Duftschmid, 1825)
Chrysolina (Zeugotaenia) limbata russiella Bienkowski & Orlova-Bienkowskaja, 2011
 ? *Oreina (Allorina) caerulea* (G.-A. Olivier, 1790) {Plavilshchikov 1964}

Subtribe Doryphorina Motschulsky, 1860

- Leptinotarsa decemlineata* (Say, 1824)†
Entomoscelis suturalis J. Weise, 1882

Tribe Gonioctenini Motschulsky, 1860

- Gonioctena (Gonioctena) decemnotata* (Marsham, 1802)
Gonioctena (Gonioctena) linnaeana linnaeana (Schrank, 1781)
Gonioctena (Gonioctena) viminalis viminalis (Linnaeus, 1758)

Gonioctena (Goniomena) pallida (Linnaeus, 1758)

Gonioctena (Goniomena) quinquepunctata quinquepunctata (Fabricius, 1787)

Subfamily GALERUCINAE Latreille, 1802

Tribe Galerucini Latreille, 1802

Galeruca (Galeruca) jucunda (Faldermann, 1837)

Galeruca (Galeruca) tanaceti tanaceti (Linnaeus, 1758)

Galerucella (Galerucella) grisescens (Joannis, 1866)

Galerucella (Galerucella) nymphaeae (Linnaeus, 1758)

Galerucella (Neogalerucella) calmariensis (Linnaeus, 1767)

Galerucella (Neogalerucella) lineola lineola (Fabricius, 1781)

Galerucella (Neogalerucella) pusilla (Duftschmid, 1825)

Galerucella (Neogalerucella) tenella (Linnaeus, 1760)

Lochmaea caprea (Linnaeus, 1758)

Lochmaea suturalis (C.G. Thomson, 1866)

Pyrrhalta viburni (Paykull, 1799)

Tribe Hylaspini Chapuis, 1875

Agelastica alni (Linnaeus, 1758)

Tribe Luperini Gistel, 1848

Subtribe Luperina Gistel, 1848

Calomicrus pinicola (Duftschmid, 1825)

Luperus luperus (Sulzer, 1776) {ZIN}

Phyllobrotica quadrimaculata (Linnaeus, 1758)

Subfamily ALTICINAE Newman, 1834

Tribe Alticini Newman, 1834

Altica palustris (J. Weise, 1888)

Altica quercetorum saliceti J. Weise, 1888

Altica tamaricis tamaricis Schrank, 1785

? *Aphthona czwalinae* J. Weise, 1888 {Plavilshchikov 1964}

Aphthona lutescens (Gyllenhal, 1813)

Aphthona nonstriata (Goeze, 1777)

Aphthona pallida (Bach, 1856)

Argopus nigratarsis (Gebler, 1823)

Batophila rubi (Paykull, 1799)

Chaetocnema (Chaetocnema) aerosa (Letzner, 1847)

Chaetocnema (Chaetocnema) arida Foudras, 1860

- Chaetocnema (Chaetocnema) aridula* (Gyllenhal, 1827)
Chaetocnema (Chaetocnema) compressa (Letzner, 1847)
Chaetocnema (Chaetocnema) hortensis (Geoffroy, 1785)
Chaetocnema (Chaetocnema) mannerheimii (Gyllenhal, 1827)
Chaetocnema (Tlanoma) concinna (Marsham, 1802)
Chaetocnema (Tlanoma) semicoerulea semicoerulea (Koch, 1803)
Crepidodera aurata (Marsham, 1802)
Crepidodera fulvicornis (Fabricius, 1792)
Crepidodera nitidula (Linnaeus, 1758)
Crepidodera plutus (Latreille, 1804)
Derocrepis rufipes (Linnaeus, 1758)
Epitrix pubescens (Koch, 1803)
Hippuriphila modeeri (Linnaeus, 1760)
Longitarsus (Longitarsus) atricillus (Linnaeus, 1760)
Longitarsus (Longitarsus) brunneus (Duftschmid, 1825)
Longitarsus (Longitarsus) ganglbaueri ganglbaueri Heikertinger, 1912
Longitarsus (Longitarsus) holsaticus (Linnaeus, 1758)
Longitarsus (Longitarsus) jacobaeae (C.R. Waterhouse, 1858)
Longitarsus (Longitarsus) longiseta J. Weise, 1889
Longitarsus (Longitarsus) nigrofasciatus nigrofasciatus (Goeze, 1777)
Longitarsus (Longitarsus) succineus (Foudras, 1860)
Longitarsus (Longitarsus) suturellus (Duftschmid, 1825)
Longitarsus (Longitarsus) tabidus tabidus (Fabricius, 1775)
Longitarsus (Testergus) anchlussae (Paykull, 1799)
Lythrarina salicariae (Paykull, 1800)
Mantura (Mantura) chrysanthemii chrysanthemii (Koch, 1803)
Neocrepidodera ferruginea (Scopoli, 1763)
Neocrepidodera transversa (Marsham, 1802)
Phyllotreta atra (Fabricius, 1775)
Phyllotreta flexuosa (Illiger, 1794)
Phyllotreta nemorum (Linnaeus, 1758)
Phyllotreta nigripes nigripes (Fabricius, 1775)
Phyllotreta ochripes (Curtis, 1837)
Phyllotreta striolata (Fabricius, 1803)
Phyllotreta tetrastigma (Comolli, 1837)
Phyllotreta undulata Kutschera, 1860
Phyllotreta vittula (L. Redtenbacher, 1849)
Psylliodes (Psylliodes) affinis (Paykull, 1799)
Psylliodes (Psylliodes) chalcomera (Illiger, 1807)
Psylliodes (Psylliodes) dulcamarae (Koch, 1803)
Psylliodes (Psylliodes) napi (Fabricius, 1792)
Psylliodes (Psylliodes) picina (Marsham, 1802)

Subfamily CRYPTOCEPHALINAE Gyllenhal, 1813**Tribe Clytrini Kirby, 1837**

Subtribe Clytrina Kirby, 1837

Clytra (Clytra) quadripunctata quadripunctata (Linnaeus, 1758)*Coptocephala unifasciata unifasciata* (Scopoli, 1763)*Labidostomis (Labidostomis) lepida* Lefevre, 1872*Labidostomis (Labidostomis) longimana* (Linnaeus, 1760)*Labidostomis (Labidostomis) tridentata* (Linnaeus, 1758)*Smaragdina affinis affinis* (Illiger, 1794)*Smaragdina flavicollis* (Charpentier, 1825)**Tribe Cryptocephalini Gyllenhal, 1813**

Subtribe Cryptocephalina Gyllenhal, 1813

Cryptocephalus (Burlinius) exiguus exiguus D.N. Schneider, 1792*Cryptocephalus (Burlinius) fulvus fulvus* (Goeze, 1777)*Cryptocephalus (Burlinius) labiatus* (Linnaeus, 1760)*Cryptocephalus (Burlinius) pusillus* Fabricius, 1777*Cryptocephalus (Cryptocephalus) anticus* Suffrian, 1848*Cryptocephalus (Cryptocephalus) aureolus* Suffrian, 1847*Cryptocephalus (Cryptocephalus) bipunctatus bipunctatus* (Linnaeus, 1758)*Cryptocephalus (Cryptocephalus) biguttatus* (Scopoli, 1763)*Cryptocephalus (Cryptocephalus) cordiger* (Linnaeus, 1758)*Cryptocephalus (Cryptocephalus) decemmaculatus* (Linnaeus, 1758)*Cryptocephalus (Cryptocephalus) flavipes* Fabricius, 1781*Cryptocephalus (Cryptocephalus) solivagus* Leonardi & Sassi, 2001*Cryptocephalus (Cryptocephalus) laetus* Fabricius, 1792*Cryptocephalus (Cryptocephalus) moraei* (Linnaeus, 1758)*Cryptocephalus (Cryptocephalus) nitidus* (Linnaeus, 1758)*Cryptocephalus (Cryptocephalus) octopunctatus octopunctatus* (Scopoli, 1763)*Cryptocephalus (Cryptocephalus) parvulus* O.F. Müller, 1776*Cryptocephalus (Cryptocephalus) sericeus* (Linnaeus, 1758)*Cryptocephalus (Cryptocephalus) sexpunctatus sexpunctatus* (Linnaeus, 1758)*Cryptocephalus (Disopus) pini* (Linnaeus, 1758)*Cryptocephalus (Heterichmus) coryli* (Linnaeus, 1758)

Subtribe Pachybrachina Chapuis, 1784

Pachybrachis (Pachybrachis) hieroglyphicus (Laicharting, 1781)

Subfamily EUMOLPINAE Hope, 1840**Tribe Bromiini Baly, 1865 (1863)**

Bromius obscurus (Linnaeus, 1758)

Pachnephorus (Pachnephorus) tessellatus (Duftschmid, 1825)

Subfamily SYNETINAE LeConte & Horn, 1883

Syneta betulae betulae (Fabricius, 1792)* {ZIN}

Superfamily CURCULIONOIDEA Latreille, 1802**Family NEMONYCHIDAE Bedel, 1882****Subfamily CIMBERIDINAE Gozis, 1882****Tribe Cimberidini Gozis, 1882**

Cimberis attelaboides (Fabricius, 1787)

Family ANTHRIBIDAE Billberg, 1820**Subfamily ANTHRIBINAE Billberg, 1820****Tribe Anthribini Billberg, 1820**

Anthribus nebulosus Forster, 1770

Tribe Platyrhinini Imhoff, 1856

Platyrhinus resinosus (Scopoli, 1763)

Tribe Platystomini Pierce, 1916

Platystomos albinus (Linnaeus, 1758)

Tribe Tropiderini Lacordaire, 1865

Gonotropis dorsalis (Gyllenhal, 1813)

Tropideres albirostris (Schaller, 1783)

Tribe Zygaenodini Lacordaire, 1865

Dissoleucas niveirostris (Fabricius, 1798)

Rhaphitropis marchica (Herbst, 1797)

Subfamily CHORAGINAE Kirby, 1819**Tribe Choragini Kirby, 1819***Choragus sheppardi* Kirby, 1819**Family ATTELABIDAE Billberg, 1820****Subfamily ATTELABINAE Billberg, 1820****Tribe Apoderini Jekel, 1860**

Subtribe Apoderina Jekel, 1860

Apoderus coryli (Linnaeus, 1758)*Compsapoderus* (*Compsapoderus*) *erythropterus* (Gmelin, 1790)**Tribe Attelabini Billberg, 1820***Attelabus nitens* (Scopoli, 1763)**Subfamily RHYNCHITINAE Gistel, 1848****Tribe Auletini Desbrochers des Loges, 1908**

Subtribe Pseudomesauletina Legalov, 2003

Mesauletobius pubescens (Kiesenwetter, 1852)† {ZIN}**Tribe Byctiscini Voss, 1923**

Subtribe Byctiscina Voss, 1923

Byctiscus betulae (Linnaeus, 1758)*Byctiscus populi* (Linnaeus, 1758)**Tribe Deporaini Voss, 1929**

Subtribe Deporaina Voss, 1929

Deporaus (*Deporaus*) *betulae* (Linnaeus, 1758)**Tribe Rhynchitini Gistel, 1848***Involvulus* (*Involvulus*) *cupreus* (Linnaeus, 1760)*Mecorhis* (*Pseudomechoris*) *aethiops* (Bach, 1854)*Neocoenorrhinus* (*Neocoenorrhinus*) *germanicus* (Herbst, 1797)*Rhynchites* (*Epirhynchites*) *auratus* (Scopoli, 1763)*Tatianaerhynchites aequatus* (Linnaeus, 1767)*Temnocerus coeruleus* (Fabricius, 1798)*Temnocerus nanus* (Paykull, 1792)

Family BRENTIDAE Billberg, 1820**Subfamily APIONINAE Schoenherr, 1823****Tribe Apionini Schoenherr, 1823**

Subtribe Apionina Schoenherr, 1823

Apion cruentatum Walton, 1844*Apion frumentarium* (Linnaeus, 1758)*Apion haematodes haematodes* Kirby, 1808*Apion rubiginosum* Grill, 1893

Subtribe Aplemonina Kissinger, 1968

Perapion (Perapion) connexum (Schilsky, 1902)*Perapion (Perapion) curtirostre* (Germar, 1817)*Perapion (Perapion) marchicum* (Herbst, 1797)*Perapion (Perapion) oblongum* (Gyllenhal, 1839)*Perapion (Perapion) violaceum violaceum* (Kirby, 1808)*Pseudoperapion brevirostre* (Herbst, 1797)*Pseudostenapion simum* (Germar, 1817)

Subtribe Aspidapiina Alonso-Zarazaga, 1990

Aspidapion (Aspidapion) radiolus (Marsham, 1802)*Aspidapion (Aspidapion) validum* (Germar, 1817)†*Aspidapion (Koestlinia) aeneum* (Fabricius, 1775)

Subtribe Catapiina Alonso-Zarazaga, 1990

Catapion seniculus (Kirby, 1808)

Subtribe Ceratapiina Alonso-Zarazaga, 1990

Ceratapion (Acanephodus) onopordi onopordi (Kirby, 1808)*Ceratapion (Ceratapion) gibbirostre* (Gyllenhal, 1813)*Ceratapion (Echinostroma) penetrans penetrans* (Germar, 1817) {ZIN}*Diplapion detritum* (Mulsant & Rey, 1859)*Omphalapion hookerorum* (Kirby, 1808)*Taphrotopium (Taphrotopium) sulcifrons* (Herbst, 1797)

Subtribe Exapiina Alonso-Zarazaga, 1990

Exapion corniculatum (Germar, 1817)

Subtribe *Kalcapini* Alonso-Zarazaga, 1990

- Kalcapion pallipes* (Kirby, 1808)
Melanapion (Melanapion) minimum (Herbst, 1797)
Squamapion flavimanum (Gyllenhal, 1833) {ZIN}
Squamapion vicinum (Kirby, 1808)
Taeniapion urticarium urticarium (Herbst, 1784)

Subtribe *Oxystomatina* Alonso-Zarazaga, 1990

- Cyanapion (Bothryorrhynchapion) gyllenhalii* (Kirby, 1808)
Eutrichapion (Eutrichapion) ervi (Kirby, 1808)
Eutrichapion (Eutrichapion) viciae (Paykull, 1800)
Eutrichapion (Psilocalymma) facetum (Gyllenhal, 1839)
Eutrichapion (Psilocalymma) punctiger (Paykull, 1792)
Ischnopterapion (Chlorapion) virens (Herbst, 1797)
Ischnopterapion (Ischnopterapion) loti (Kirby, 1808) {ZIN}
Oxystoma cerdo (Gerstaecker, 1854)
Oxystoma craccae (Linnaeus, 1767)
Oxystoma subulatum (Kirby, 1808)
Synapion (Synapion) ebeninum (Kirby, 1808)

Subtribe *Piezotrachelina* Voss, 1959

- Protapion apricans* (Herbst, 1797)
Protapion assimile assimile (Kirby, 1808)
Protapion filirostre (Kirby, 1808)
Protapion fulvipes fulvipes (Geoffroy, 1785)
Protapion interjectum interjectum (Desbrochers des Loges, 1895)
Protapion trifolii (Linnaeus, 1768)
Protapion varipes (Germar, 1817)

Subtribe *Trichapiina* Alonso-Zarazaga, 1990

- Betulapion simile simile* (Kirby, 1811)

Subfamily NANOPHYINAE Gistel, 1848**Tribe Nanophyini Gistel, 1856**

- Nanomimus circumscriptus* (Aubé, 1864) {ZIN}
Nanomimus hemisphaericus (G.-A. Olivier, 1807)
Nanophyes brevis brevis Boheman, 1845
Nanophyes globiformis Kiesenwetter, 1864

Nanophyes globulus (Germar, 1821)

Nanophyes marmoratus marmoratus (Goeze, 1777)

Family CURCULIONIDAE Latreille, 1802

Subfamily BAGOINAE C.G. Thomson, 1859

Bagous (*Bagous*) *binodulus* (Herbst, 1795)

Bagous (*Bagous*) *glabrirostris* (Herbst, 1795)

Bagous (*Bagous*) *puncticollis* Boheman, 1845

Bagous (*Bagous*) *subcarinatus* Gyllenhal, 1836

Bagous (*Macropelmus*) *nodulosus* Gyllenhal, 1836

Bagous (*Macropelmus*) *tempestivus* (Herbst, 1795)*

Subfamily BRACHYCERINAE Billberg, 1820

Tribe Eirihinini Schoenherr, 1825

Subtribe Eirihinina Schoenherr, 1825

Grypus equiseti (Fabricius, 1775)

Notaris acridulus (Linnaeus, 1758)

Notaris aethiops (Paykull, 1792)

Notaris scirpi (Fabricius, 1792)

Thryogenes festucae (Herbst, 1795)

Thryogenes nereis (Paykull, 1800)

Tribe Tanysphyrini Gistel, 1848

Tanysphyrus lemnae (Paykull, 1792)

Subfamily CONODERINAE Schoenherr, 1833

Supertribe Bariditae Schoenherr, 1836

Tribe Apostasimerini Schoenherr, 1844

Subtribe Zygobaridina Pierce, 1907

Limnobaris dolorosa (Goeze, 1777)

Limnobaris t-album (Linnaeus, 1758)

Tribe Baridini Schoenherr, 1836

Subtribe Baridini Schoenherr, 1836

Baris artemisiae (Panzer, 1794)

Supertribe Ceutorhynchitae Gistel, 1848**Tribe Amalini Wagner, 1936**

Amalus scortillum (Herbst, 1795)

Tribe Ceutorhynchini Gistel, 1856

Calosirus apicalis (Gyllenhal, 1827) {ZIN}
Ceutorhynchus contractus (Marsham, 1802)
Ceutorhynchus erysimi (Fabricius, 1787)
Ceutorhynchus gallorhenanus F. Solari, 1949
Ceutorhynchus griseus C.N.F. Brisout de Barneville, 1869
Ceutorhynchus hampei C.N.F. Brisout de Barneville, 1869
Ceutorhynchus ignitus Germar, 1823
Ceutorhynchus pseudoarator Korotyaev, 1989 {ZIN}
Ceutorhynchus pulvinatus Gyllenhal, 1837
Ceutorhynchus rapae Gyllenhal, 1837
Ceutorhynchus roberti Gyllenhal, 1837
Ceutorhynchus syrites Germar, 1823
Ceutorhynchus typhae (Herbst, 1795)
Coeliastes lamii (Fabricius, 1792) {ZIN}
Coeliodes rana (Fabricius, 1787)
Coeliodinus rubicundus (Herbst, 1795)
Datonychus arquata (Herbst, 1795)
Datonychus urticae (Boheman, 1845)
Glocianus distinctus (C.N.F. Brisout de Barneville, 1870)
Glocianus punctiger (C.R. Sahlberg, 1835)
Micrelus ericae (Gyllenhal, 1813) {ZIN}
Microplontus campestris (Gyllenhal, 1837) {ZIN}
Microplontus millefolii (Schultze, 1897) {ZIN}
Microplontus triangulum (Boheman, 1845)
Mogulones crucifer (Pallas, 1771)
Mogulones cynoglossi (Frauenfeld, 1866)
Mogulones geographicus (Goeze, 1777)
Mogulones pallidicornis (Gougelet & H. Brisout de Barneville, 1860)
Nedys quadrimaculatus (Linnaeus, 1758)
Thamiocolus viduatus (Gyllenhal, 1813)
Trichosirocalus troglodytes (Fabricius, 1787)
Zacladus geranii (Paykull, 1800)

Tribe Cnemogonini Colonnelli, 1979

Auleutes epilobii (Paykull, 1800) {ZIN}

Tribe Mononychini LeConte, 1876

Mononychus punctumalbum (Herbst, 1784)

Tribe Phytobiini Gistel, 1856

Marmaropus besseri Gyllenhal, 1837 {ZIN}
Neophytobius granatus (Gyllenhal, 1835)
Neophytobius muricatus (C.N.F. Brisout de Barneville, 1867)
Pelenomus commari (Panzer, 1795)
Pelenomus waltoni (Boheman, 1843)
Rhinoncus bruchoides (Herbst, 1784)
Rhinoncus leucostigma (Marsham, 1802)
Rhinoncus pericarpus (Linnaeus, 1758)
Rhinoncus perpendicularis (Reich, 1797)

Tribe Scleropterini Schultze, 1902

Rutidosoma graminosum (Gistel, 1857)
Tapinotus sellatus (Fabricius, 1794)

Supertribe Conoderitae Schoenherr, 1833**Tribe Coryssomerini C.G. Thomson, 1859**

Coryssomerus capucinus (Beck, 1817)
Euryommatus mariae Roger, 1857 {ZIN}

Supertribe Oorbitiditae C.G. Thomson, 1859**Tribe Oorbitidini C.G. Thomson, 1859**

Oorbitis cyanea (Linnaeus, 1758)

Subfamily COSSONINAE Schoenherr, 1825**Tribe Cossonini Schoenherr, 1825**

Cossonus (*Caenocossonus*) *parallelepipedus* (Herbst, 1795)

Tribe Rhyncolini Gistel, 1856

Subtribe Rhyncolina Gistel, 1856

Rhyncolus (*Rhyncolus*) *ater ater* (Linnaeus, 1758)
Rhyncolus (*Rhyncolus*) *elongatus* (Gyllenhal, 1827)

Subfamily CURCULIONINAE Latreille, 1802**Tribe Acalyptini C.G. Thomson, 1859***Acalyptus carpini* (Fabricius, 1792)*Acalyptus sericeus* Gyllenhal, 1835**Tribe Anoplini Bedel, 1884***Anoplus plantaris* (Næzén, 1794)**Tribe Anthonomini C.G. Thomson, 1859***Anthonomus (Anthomorphus) phyllocola* (Herbst, 1795)*Anthonomus (Anthomorphus) pinivorax* Silfverberg, 1977**Anthonomus (Anthonomus) conspersus* Desbrochers des Loges, 1868*Anthonomus (Anthonomus) incurvus* (Panzer, 1795)*Anthonomus (Anthonomus) pomorum* (Linnaeus, 1758)*Anthonomus (Anthonomus) rubi* (Herbst, 1795)*Anthonomus (Anthonomus) sorbi* Germar, 1821*Anthonomus (Anthonomus) ulmi* (De Geer, 1775) {ZIN}*Anthonomus (Furcippus) rectirostris* (Linnaeus, 1758)*Bradybatus (Bradybatus) kellneri* Bach, 1854**Tribe Cionini Schoenherr, 1825***Cionus hortulanus* (Geoffroy, 1785)? *Cionus olivieri* Rosenschoeld, 1838 {Feoktistov 2011}*Cionus scrophulariae* (Linnaeus, 1758)*Cionus tuberculatus* (Scopoli, 1763)**Tribe Curculionini Latreille, 1802**

Subtribe Archariina Pelsue & O'Brien, 2011

Archarius (Archarius) pyrrhoceras (Marsham, 1802)*Archarius (Archarius) salicivorus* (Paykull, 1792)

Subtribe Curculionina Latreille, 1802

Curculio (Curculio) glandium Marsham, 1802*Curculio (Curculio) nucum* Linnaeus, 1758*Curculio (Curculio) rubidus* (Gyllenhal, 1835)

Tribe Ellescini C.G. Thomson, 1859

Subtribe Dorytomina Bedel, 1886

Dorytomus (Dorytomus) salicinus (Gyllenhal, 1827)*Dorytomus (Dorytomus) taeniatus* (Fabricius, 1781)*Dorytomus (Dorytomus) tortrix* (Linnaeus, 1760)*Dorytomus (Dorytomus) tremulae* (Fabricius, 1787)

Subtribe Ellescina C.G. Thomson, 1859

Ellescus bipunctatus (Linnaeus, 1758)*Ellescus infirmus* (Herbst, 1795)*Ellescus scanicus* (Paykull, 1792)**Tribe Mecinini Gistel, 1848***Cleopomiarus distinctus* (Boheman, 1845)*Cleopomiarus graminis* (Gyllenhal, 1813)*Gymnetron melanarium* (Germar, 1821)*Gymnetron terminassianae* Smreczyński, 1975 {ZIN}*Gymnetron veronicae* (Germar, 1821)*Mecinus heydenii* Wencker, 1866*Mecinus janthinus* Germar, 1821*Mecinus labilis* (Herbst, 1795)*Mecinus pascuorum* (Gyllenhal, 1813)*Mecinus plantaginis* (Eppelsheim, 1875)*Mecinus pyraster* (Herbst, 1795)*Miarus ajugae* (Herbst, 1795)*Rhinusa antirrhini* (Paykull, 1800)*Rhinusa asellus* (Gravenhorst, 1807)*Rhinusa collina* (Gyllenhal, 1813)*Rhinusa linariae* (Panzer, 1795)*Rhinusa neta* (Germar, 1821)**Tribe Rhamphini Rafinesque, 1815**

Subtribe Rhamphina Rafinesque, 1815

Isochnus foliorum (O.F. Müller, 1764)*Isochnus sequensi* (Stierlin, 1894)*Orchestes (Alyctus) calceatus* (Germar, 1821)*Orchestes (Alyctus) rusci* (Herbst, 1795)*Orchestes (Orchestes) hortorum* (Fabricius, 1792)

Pseudorchestes circumvistulanus (Białooki, 1997) {ZIN}
Pseudorchestes pratensis (Germar, 1821)
Rhamphus pulicarius (Herbst, 1795)
Rhynchaenus (Rhynchaenus) xylostei Clairville, 1798
 ?*Tachyerges rufitarsis* (Germar, 1821) {Feoktistov 2011}
Tachyerges salicis (Linnaeus, 1758)
Tachyerges stigma (Germar, 1821)

Tribe Smicronychini Seidlitz, 1891

Smicronyx (Smicronyx) coecus (Reich, 1797)
Smicronyx (Smicronyx) smreczynskii F. Solari, 1952

Tribe Tychiini C.G. Thomson, 1859

Subtribe Tychiina C.G. Thomson, 1859

Sibinia (Sibinia) pellucens (Scopoli, 1772)
Sibinia (Sibinia) subelliptica (Desbrochers des Loges, 1873)
Sibinia (Sibinia) tibialis Gyllenhal, 1835
Sibinia (Sibinia) viscaria (Linnaeus, 1760)
Tychius (Tychius) medicaginis C.N.F. Brisout de Barneville, 1863
Tychius (Tychius) picirostris (Fabricius, 1787)
Tychius (Tychius) quinquepunctatus (Linnaeus, 1758)
Tychius (Tychius) stephensi Schoenherr, 1835

Subfamily DRYOPHTHORINAE Schoenherr, 1825

Tribe Rhynchophorini Schoenherr, 1833

Subtribe Litosomina Lacordaire, 1865

Sitophilus granarius (Linnaeus, 1758)†

Subtribe Sphenophorina Lacordaire, 1865

Sphenophorus striatopunctatus (Goeze, 1777)

Subfamily ENTIMINAE Schoenherr, 1823

Tribe Brachyderini Schoenherr, 1826

Brachyderes (Brachyderes) incanus (Linnaeus, 1758)
Strophosoma (Strophosoma) capitatum (De Geer, 1775)

Tribe Cneorhinini Lacordaire, 1863

Attactagenus albinus (Boheman, 1833)

Tribe Otiorhynchini Schoenherr, 1826

- Otiorhynchus (Choilisanus) raucus* (Fabricius, 1777)
Otiorhynchus (Cryphiphorus) ligustici (Linnaeus, 1758)
Otiorhynchus (Otiolehus) tristis (Scopoli, 1763)
Otiorhynchus (Pendragon) ovatus ovatus (Linnaeus, 1758)

Tribe Phyllobiini Schoenherr, 1826

- Phyllobius (Alsus) brevis* Gyllenhal, 1834
Phyllobius (Dieletus) argentatus argentatus (Linnaeus, 1758)
Phyllobius (Metaphyllobius) jacobsoni Smirnov, 1913
Phyllobius (Metaphyllobius) pomaceus Gyllenhal, 1834
Phyllobius (Nemoicus) oblongus (Linnaeus, 1758)
Phyllobius (Phyllobius) arborator (Herbst, 1797)
Phyllobius (Phyllobius) pyri (Linnaeus, 1758)
Phyllobius (Phyllobius) thalassinus Gyllenhal, 1834
Phyllobius (Pterygorrhynchus) maculicornis Germar, 1823

Tribe Polydrusini Schoenherr, 1823

- Liophloeus (Liophloeus) tessulatus* (O.F. Müller, 1776)
Polydrusus (Eudipnus) mollis (Strøm, 1768)
Polydrusus (Eurodrusus) cervinus (Linnaeus, 1758)
Polydrusus (Eurodrusus) confluens Stephens, 1831
Polydrusus (Eustolus) flavipes flavipes (De Geer, 1775)
Polydrusus (Eustolus) pterygomalis Boheman, 1840
Polydrusus (Polydrusus) fulvicornis fulvicornis (Fabricius, 1792)
Polydrusus (Polydrusus) tereticollis (De Geer, 1775)

Tribe Sciaphilini Sharp, 1891

- Brachysomus (Brachysomus) echinatus* (Bonsdorff, 1785)
Eusomus ovulum Germar, 1823
Exomias lebedevi (Roubal, 1926)
Sciaphilus asperatus (Bonsdorff, 1785)

Tribe Sitonini Gistel, 1848

- Charagmus griseus* (Fabricius, 1775)
Sitona ambiguus Gyllenhal, 1834
Sitona cylindricollis cylindricollis Fåhraeus, 1840
Sitona hispidulus (Fabricius, 1777)
Sitona inops Schoenherr, 1832

Sitona lineatus (Linnaeus, 1758)
Sitona longulus Gyllenhal, 1834
Sitona macularius macularius (Marsham, 1802)
Sitona obsoletus obsoletus (Gmelin, 1790)
Sitona puncticollis Stephens, 1831
Sitona striatellus Gyllenhal, 1834
Sitona sulcifrons sulcifrons (Thunberg, 1798)
Sitona suturalis Stephens, 1831

Tribe Tanymecini Lacordaire, 1863

Subtribe Tanymecina Lacordaire, 1863

Chlorophanus viridis viridis (Linnaeus, 1758)
Tanymecus (Tanymecus) palliatus (Fabricius, 1787)

Tribe Trachyploeini Gistel, 1848

Romualdius scaber (Linnaeus, 1758)

Subfamily HYPERINAE Lacordaire, 1863 (1848)

Tribe Hyperini Lacordaire, 1863 (1848)

Hypera (Boreohypera) diversipunctata (Schrank, 1798)
Hypera (Boreohypera) fornicata (Penecke, 1928)
Hypera (Dapalinus) meles (Fabricius, 1792)
Hypera (Eririnomorphus) conmaculata (Herbst, 1795)
Hypera (Eririnomorphus) rumicis (Linnaeus, 1758)
Hypera (Hypera) miles (Paykull, 1792)
Hypera (Hypera) postica (Gyllenhal, 1813)
Hypera (Hypera) transsilvanica (Petri, 1901)
Hypera (Hypera) viciae (Gyllenhal, 1813)
Hypera (Kippenbergia) arator (Linnaeus, 1758)
Limobius borealis (Paykull, 1792)

Subfamily LIXINAE Schoenherr, 1823

Tribe Cleonini Schoenherr, 1826

Asproparthenis foveocollis (Gebler, 1834)
Bothynoderes affinis (Schrank, 1781)
Cleonis pigra (Scopoli, 1763)
Coniocleonus (Augustecleonus) hollbergii (Fåhraeus, 1842)
Cyphocleonus dealbatus (Gmelin, 1790)
Cyphocleonus trisulcatus (Herbst, 1795)

Tribe Lixini Schoenherr, 1823

- Larinus (Larinomesius) obtusus* Gyllenhal, 1835
Larinus (Phyllonomeus) planus (Fabricius, 1792)
Larinus (Phyllonomeus) sturnus (Schaller, 1783)
Larinus (Phyllonomeus) turbinatus Gyllenhal, 1835
Lixus (Dilixellus) bardanae (Fabricius, 1787)
Lixus (Dilixellus) fasciculatus Boheman, 1835
Lixus (Dilixellus) pulverulentus (Scopoli, 1763)
Lixus (Epimeces) filiformis (Fabricius, 1781)
Lixus (Eulixus) iridis G.-A. Olivier, 1807
Lixus (Eulixus) myagri G.-A. Olivier, 1807
Lixus (Lixus) paraplecticus (Linnaeus, 1758)
Lixus (Phyllixus) brevipes C.N.F. Brisout de Barneville, 1866 {ZIN}

Subfamily MESOPTILIINAE Lacordaire, 1863**Tribe Magdalidini Pascoe, 1870**

- Magdalis (Edo) ruficornis* (Linnaeus, 1758)
Magdalis (Magdalis) duplicata Germar, 1819
Magdalis (Magdalis) frontalis (Gyllenhal, 1827)
Magdalis (Magdalis) linearis (Gyllenhal, 1827)
Magdalis (Magdalis) phlegmatica (Herbst, 1797)
Magdalis (Magdalis) violacea (Linnaeus, 1758)
Magdalis (Odontomagdalis) armigera (Geoffroy, 1785)

Subfamily MOLYTINAE Schoenherr, 1823**Tribe Cryptorhynchini Schoenherr, 1825**

Subtribe Cryptorhynchina Schoenherr, 1825

- Cryptorhynchus lapathi* (Linnaeus, 1758)

Subtribe Tyrodina Lacordaire, 1865

- Acalles echinatus* (Germar, 1823)

Tribe Molytini Schoenherr, 1823

Subtribe Hylobiina Kirby, 1837

- ? *Hylobius (Hylobius) excavatus* (Laicharting, 1781) {Feoktistov 2011}
Hylobius (Callirus) abietis (Linnaeus, 1758)
Hylobius (Callirus) pinastri (Gyllenhal, 1813)

Tribe Pissodini Gistel, 1848

Subtribe Pissodina Gistel, 1848

- Pissodes (Pissodes) castaneus* (De Geer, 1775)
Pissodes (Pissodes) harcyniae (Herbst, 1795) {ZIN}
Pissodes (Pissodes) pini pini (Linnaeus, 1758)
Pissodes (Pissodes) piniphilus (Herbst, 1797)
Pissodes (Pissodes) validirostris (C.R. Sahlberg, 1834)

Tribe Trachodini Gistel, 1848

- Trachodes hispidus* (Linnaeus, 1758)

Subfamily SCOLYTINAE Latreille, 1804**Tribe Corthylini LeConte, 1876**

Subtribe Pityophthorina Eichhoff, 1878

- Pityophthorus glabratus* Eichhoff, 1878 {ZIN}
Pityophthorus lichtensteinii (Ratzeburg, 1837)
Pityophthorus micrographus micrographus (Linnaeus, 1758) {ZIN}
Pityophthorus traegardhi Spessivtsev, 1921 {ZIN}

Tribe Cryphalini Lindemann, 1877

- Ernoporus tiliae* (Panzer, 1793) {ZIN}
Trypophloeus binodulus (Ratzeburg, 1837) {ZIN}
Trypophloeus discedens Palm, 1950 {ZIN}

Tribe Crypturgini LeConte, 1876

- Crypturgus cinereus* (Herbst, 1793) {ZIN}
Crypturgus hispidulus C.G. Thomson, 1870 {ZIN}
Crypturgus pusillus (Gyllenhal, 1813) {ZIN}
Crypturgus subcribrosus Eggers, 1933 {ZIN}

Tribe Dryocoetini Lindemann, 1877

- Dryocoetes autographus* (Ratzeburg, 1837) {ZIN}
Dryocoetes hectographus Reitter, 1913 {ZIN}
Lymantor aceris aceris (Lindemann, 1875) {ZIN}
Lymantor coryli (Perris, 1855) {ZIN}

Tribe Hylastini LeConte, 1876

- Hylastes angustatus* (Herbst, 1793)
Hylastes ater (Paykull, 1800) {ZIN}
Hylastes brunneus (Erichson, 1836) {ZIN}
Hylastes cunicularius Erichson, 1836 {ZIN}
Hylastes opacus Erichson, 1836
Hylurgops palliatus (Gyllenhal, 1813) {ZIN}

Tribe Hylurgini Gistel, 1848

- Dendroctonus micans* (Kugelann, 1794)
Hylurgus ligniperda (Fabricius, 1787) {ZIN}
Tomicus minor (Hartig, 1834)
Tomicus piniperda (Linnaeus, 1758) {ZIN}

Tribe Ipini Bedel, 1888

- Ips acuminatus* (Gyllenhal, 1827) {ZIN}
Ips duplicatus (C.R. Sahlberg, 1836)
Ips sexdentatus (Boerner, 1776) {ZIN}
Ips typographus (Linnaeus, 1758) {ZIN}
Orthotomicus laricis (Fabricius, 1792) {ZIN}
Orthotomicus longicollis (Gyllenhal, 1827)
Orthotomicus proximus (Eichhoff, 1868)
Orthotomicus starki Spessivtsev, 1926 {ZIN}
Orthotomicus suturalis (Gyllenhal, 1827)
Pityogenes bidentatus (Herbst, 1783)
Pityogenes chalcographus (Linnaeus, 1760) {ZIN}
Pityogenes irkutensis irkutensis Eggers, 1910
Pityogenes quadridens (Hartig, 1834)

Tribe Polygraphini Chapuis, 1869

- Carphoborus rossicus* Semenov, 1902 {ZIN}
Polygraphus poligraphus (Linnaeus, 1758) {ZIN}
Polygraphus subopacus C.G. Thomson, 1871 {ZIN}

Tribe Scolytini Latreille, 1804

- Scolytus intricatus* (Ratzeburg, 1837) {ZIN}
Scolytus laevis Chapuis, 1869 {ZIN}

Scolytus multistriatus (Marsham, 1802) {ZIN}
Scolytus ratzeburgii E.W. Janson, 1856 {ZIN}
Scolytus rugulosus (P.W.J. Müller, 1818) {ZIN}
Scolytus scolytus (Fabricius, 1775)

Tribe Xyleborini LeConte, 1876

Anisandrus dispar (Fabricius, 1792) {ZIN}
Xyleborinus saxesenii (Ratzeburg, 1837) {ZIN}
Xyleborus cryptographus (Ratzeburg, 1837) {ZIN}

Tribe Xyloterini LeConte, 1876

Trypodendron laeve Eggers, 1939 {ZIN}
Trypodendron lineatum (G.-A. Olivier, 1800) {ZIN}
Trypodendron signatum (Fabricius, 1792) {ZIN}

Notes

This checklist includes data on 2145 species from 88 families (Table 1); the Ptiliidae and Clambidae collected in the Mordovia Nature Reserve remain to be identified. The occurrences of Spercheidae, Psephenidae, Drilidae, and Stenotrachelidae in the reserve is possible but not yet confirmed.

The most diverse families (Carabidae, Staphylinidae, Cerambycidae, Chrysomelidae and Curculionidae) make up a total of 57.6% of the Coleoptera diversity of the Reserve. Forty-seven species from 20 families are listed for the first time for the Mordovia State Nature Reserve and the Republic of Mordovia. Detailed information about them will be published separately.

Discussion

The Mordovia State Nature Reserve is a unique refugium of forest that has been little affected by human activity for many centuries (Ruchin and Khapugin 2019). This has preserved very rare species that are known from single records in the center of the European part of Russia: *Ilybius wasastjernae* (Dytiscidae), *Aleochara falcata*, *Alevonota egregia*, *Atheta sequanica*, *Bledius fergussoni*, *Gyrophaena nitidula* and *Sepe-dophilus binotatus* (Staphylinidae), *Agrilus kaluganus* (Buprestidae), *Isorhipis melasoides* (Eucnemidae), *Denticollis rubens* and *Ampedus nigerrimus* (Elateridae), *Erotides nasutus* and *Lopheros lineatus* (Lycidae), *Allonyx quadrimaculatus* (Cleridae), *Ipidia sexguttata* (Nitidulidae), *Cucujus cinnaberinus* (Cucujidae), *Clemmus troglodytes* (Anamorphidae),

Table 1. Coleoptera species richness by family and number of adventive species in Mordovia State Nature Reserve, Russia.

Taxon names	No. of species	Adventive species
Myxophaga		
Sphaeriidae	1	
Adephaga		
Gyrinidae	5	
Carabidae	231	
Haliplidae	4	
Noteridae	2	
Dytiscidae	71	
Polyphaga		
Hydrophiloidea		
Helophoridae	1	
Georissidae	1	
Hydrochidae	4	
Hydrophilidae	38	1
Sphaeritidae	1	
Histeridae	38	
Staphylinoidea		
Hydraenidae	1	
Leiodidae	18	
Silphidae	16	
Staphylinidae	436	3
Scydmaenidae	12	
Scarabaeoidea		
Geotrupidae	3	
Trogidae	3	
Lucanidae	4	
Scarabaeidae	60	
Scirtoidea		
Scirtidae	6	
Eucinetidae	1	
Dascilloidea		
Dascillidae	1	
Buprestoidea		
Buprestidae	27	
Byrrhoidea		
Byrrhidae	7	
Elmidae	1	
Dryopidae	2	
Limnichidae	1	
Heteroceridae	5	
Elateroidea		
Eucnemidae	13	
Throscidae	1	
Elateridae	59	
Lycidae	8	
Lampyridae	1	
Cantharidae	26	
Bostrichoidea		
Dermestidae	15	4
Bostrichidae	2	
Ptinidae	19	2
Lymexyloidea		
Lymexylidae	2	

Taxon names	No. of species	Adventive species
Cleroidea		
Biphyllidae	2	
Byturidae	2	
Trogossitidae	4	
Cleridae	6	1
Melyridae	15	
Cucujoidea		
Sphindidae	2	
Erotylidae	10	
Monotomidae	11	
Kateretidae	7	
Nitidulidae	33	4
Cryptophagidae	14	2
Silvanidae	6	
Cucujidae	4	
Phalacridae	4	
Laemophloeidae	6	
Coccinelloidea		
Bothrideridae	1	
Cerylonidae	5	
Latridiidae	20	2
Corylophidae	4	
Anamorphidae	1	
Endomychidae	5	
Coccinellidae	43	1
Tenebrionoidea		
Mycetophagidae	11	1
Ciidae	11	
Tetratomidae	3	
Melandryidae	16	
Rhipiphoridae	2	
Zopheridae	4	
Mordellidae	23	
Tenebrionidae	37	3
Oedemeridae	7	
Meloidae	10	
Boridae	1	
Pythidae	1	
Pyrochroidae	2	
Salpingidae	5	
Anthicidae	5	1
Aderidae	4	
Scraptiidae	5	
Chrysomeloidea		
Cerambycidae	98	1
Megalopodidae	2	
Orsodacnidae	1	
Chrysomelidae	188	2
Curculionoidea		
Nemonychidae	1	
Anthribidae	8	
Attelabidae	14	1
Brentidae	52	1
Curculionidae	282	1
Total	2145	31

Phryganophilus pseudauritus (Melandryidae), *Diaclina fagi* (Tenebrionidae), *Leptura aurulenta*, *Phymatodes abietinus* and *Purpuricenus globulicollis* (Cerambycidae), *Syneta betulae* (Chrysomelidae), *Mesauletobius pubescens* (Rhynchitidae), *Ceutorhynchus pseudoarator*, *Euryommatus mariae* and *Anthonomus ulmi* (Curculionidae).

The Mordovia State Nature Reserve is important for the conservation of rare Coleoptera species. It is home to eight species listed in the Red book of the Russian Federation (Ruchin and Kurmaeva 2010, Ruchin and Egorov 2017b, Ruchin and Khapugin 2019, Egorov and Ruchin 2020): *Dytiscus latissimus*, *Trypocopriss vernalis*, *Ceruchus chrysomelinus*, *Osmoderma barnabita*, *Protaetia speciosissima*, *Protaetia fieberi*, *Elater ferrugineus* and *Melandrya barbata*. *Trypocopriss vernalis*, *Elater ferrugineus* and *Melandrya barbata* are only found only in the territory of the Mordovia State Nature Reserve within the Republic of Mordovia.

The Coleoptera fauna contains 31 adventive species as currently known (1.44% of beetle species diversity) from 17 families (Table 1). The largest number of adventive species has been recorded in the families Staphylinidae (4 species), Dermestidae, Nitidulidae and Tenebrionidae (3 species each). The small proportion of adventive species in the fauna possibly indicates the stability of the ecosystems of the Mordovia State Nature Reserve and the weak anthropogenic impact on them.

The obtained results on the diversity of beetles in the Mordovia State Nature Reserve can be compared with similar data from other protected areas with well-studied Coleoptera both in Russia and in other countries (see Table 2).

Analysis of the data on the degree of study of the beetle fauna in natural protected areas of the European part of Russia allows us to conclude that the beetle fauna of the Mordovian State Nature Reserve is the most studied.

The study of the beetle fauna of the Mordovia State Nature Reserve needs to be continued. The families Helophoridae, Hydraenidae, Leiodidae, Elmidae, Throscidae, Cryptophagidae, Phalacridae, and Scaptiidae have not been sufficiently studied and require particular attention.

Table 2. Comparative Coleoptera species richness in some protected areas of Russia and other countries.

Name of the protected area	Country	Number of species	Area, km ²	Source of information
Mordovia State Nature Reserve	Russia	2145	321	Our data
Lasovsky Nature Reserve	Russia	2183	1210	Storozhenko et al. 2009
Oka State Nature Biosphere Reserve	Russia	1377	558	Priklonsky et al. 2001, Nikolaeva et al. 2015
Meshchera National Park	Russia	1390	1189	Semenov 2009
National Park "Smolensk Lakeland"	Russia	1526	1462	Semenov et al. 2011
National Park "Belovezhskaya pushcha"	Belarus	2101	870	Tsinkevich 2017
Białowieża National Park	Poland	2973	630	Plewa et al. 2020
Gauja National Park	Latvia	1583	917	Kalniņš et al. 2007
New Forest National Park	England	2600	571	https://www.newforestnpa.gov.uk/discover/wildlife/beetles/
Great Smoky Mountains National Park	USA	2522	2108	Carlton 2013

Acknowledgements

The authors are grateful to Sergei K. Alekseev (Kaluga, Russia), Andrzej O. Bieńkowski (A.N. Severtsov Institute of Ecology and Evolution of the Russian Academy of Sciences, Moscow, Russia), Michael L. Danilevsky (A.N. Severtsov Institute of Ecology and Evolution of the Russian Academy of Sciences, Moscow, Russia), Alexei A. Gusakov (Zoological Museum of Lomonosov Moscow State University, Moscow, Russia), Boris M. Kataev (Zoological Institute of the Russian Academy of Sciences, St. Petersburg, Russia), Sergei V. Kazantsev (Moscow, Russia), Alexander G. Kirejtshuk (Zoological Institute of the Russian Academy of Sciences, St. Petersburg, Russia), Alexei V. Kovalev (All-Russian Institute of Plant Protection, St. Petersburg, Pushkin, Russia), Boris A. Korotyayev (Zoological Institute of the Russian Academy of Sciences, St. Petersburg, Russia), Sergei A. Kurbatov (All-Russian Plant Quarantine Center, Moscow region, Ramensky district, Bykovo, Russia), Andrew A. Legalov (Institute of Systematics and Ecology of Animals Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia), Kirill V. Makarov (Moscow State Pedagogical University, Moscow, Russia), Michael Yu. Mandelshtam (Saint-Petersburg State Forestry University, St. Petersburg, Russia), Alexander S. Prosvirov (Lomonosov Moscow State University, Moscow, Russia), Alexei S. Sazhnev (Papanin Institute for Biology of Inland Waters of Russian Academy of Sciences, Yaroslavl Region, Borok, Russia), Andrew M. Shapovalov (St. Petersburg, Russia), Wioletta Tomaszewska (Museum & Institute of Zoology, Polish Academy of Sciences, Warszawa, Poland), Sergei E. Tshernyshev (Institute of Systematics and Ecology of Animals Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia), Mark G. Volkovitsh (Zoological Institute of the Russian Academy of Sciences, St. Petersburg, Russia) and Alexei V. Zemoglyadchuk (Baranovichi State University, Baranovichi, Republic of Belarus) for their help with the identification of some species. We are grateful to Oleg Aleksandrowicz (Academia Pomeraniensis Pomeranian University in Slupsk, Slupsk, Poland), Patrice Bouchard (Canadian National Collection of Insects, Arachnids and Nematodes, Agriculture and Agri-Food Canada, Ottawa, Canada), Yves Bousquet (Gatineau, Canada), Sergei V. Dedyukhin (Udmurt State University, Izhevsk, Russia), Dariusz Iwan (Museum & Institute of Zoology, Polish Academy of Sciences, Warszawa, Poland), Maxim V. Nabozhenko (Daghestan Federal Research Centre of the Russian Academy of Sciences, Makhachkala, Russia), Konstantin S. Nadein (Senckenberg Deutsches Entomologisches Institut, Müncheberg, Germany), Nikolay B. Nikitsky (Zoological Museum of Lomonosov Moscow State University, Moscow, Russia), Anna M. Nikolaeva (Oka State Nature Biosphere Reserve, Ryazan region, Brykin Bor, Russia), Dmitry Telnov (Natural History Museum, London, United Kingdom), Dmitry V. Vlasov (Yaroslavl State Historical and Architectural Museum-Reserve, Yaroslavl, Russia), Nikolay N. Yunakov (University of Oslo Natural History Museum, Oslo, Norway) for their consultations. Also, we are grateful to Lavr V. Bolshakov (Tula, Russia), Michael N. Esin (Nizhny Novgorod, Russia) for their help with collecting material. Thank you to Olga A. Ruchina for help in translating the manuscript into English. We are also grateful to all reviewers for their valuable comments on the manuscript.

References

- Alonso-Zarazaga MA, Barrios H, Borovec R, Bouchard P, Caldara R, Colonnelli E, Gültekin L, Hlaváč P, Korotyaev B, Lyal CHC, Machado A, Meregalli M, Pierotti H, Ren L, Sánchez-Ruiz M, Sforzi A, Silfverberg H, Skuhrovec J, Trýzna M, Velázquez de Castro AJ, Yunakov NN (2017) Cooperative Catalogue of Palaearctic Coleoptera Curculionoidea. Monografias electrónicas S.E.A. Vol. 8. Sociedad Entomológica Aragonesa S.E.A. Zaragoza, Spain. 729 pp. <http://sea-entomologia.org/monoelec.html>
- Astakhov DM, Ruchin AB, Romadina OD, Pristrem IM (2019) To robber flies fauna (Diptera: Asilidae) of Mordovia, Russia. *Biodiversitas* 20(4): 994–1005. <https://doi.org/10.13057/biodiv/d200409>
- Basset Y, Corbara B, Barrios H, Cuénoud P, Leponce M, Aberlenc H-P, Bail J, Bitto D, Bridle J, Castaño-Meneses G, Cizek L, Cornejo A, Curletti G, Delabie JHC, Dejean A, Didham R, Dufrêne M, Fagan LL, Floren A, Frame D, Hallé F, Hardy OJ, Hernandez A, Kitching RL, Lewinsohn TM, Lewis OT, Manumbor M, Medianero E, Missa O, Mitchell AW, Mogia M, Novotny V, Ødegaard F, Oliveira EG, Orivel J, Ozanne C, Pascal O, Pinzón-Navarro S, Rapp M, Ribeiro SP, Roisin Y, Roslin T, Roubik D, Samaniego De Gracia MJ, Schmidl J, Sørensen LL, Tishechkin A, Van Osselaer C, Winchester NN (2007) IBISCA-Panama, a large-scale study of arthropod beta-diversity and vertical stratification in a lowland rain-forest: rationale, study sites and field protocols. *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique: Entomology* 77: 39–69.
- Belle E, Kingston N, Burgess N, Sandwith T, Ali N, MacKinnon K, Lewis E, Juffe-Bignoli D, Shi Y, Bingham H (2018) Protected Planet Report 2018: tracking progress towards global targets for protected areas. UNEP-WCMC, IUCN and NGS: Cambridge UK; Gland, Switzerland; and Washington, D.C., USA. 56 pp.
- Bieńkowski AO (2019) *Chrysolina* of the world – 2019 (Coleoptera: Chrysomelidae). Taxonomic review. Livny, Mukhametov GV Publ., 919 pp.
- Bouchard P, Bousquet Y (2020) Additions and corrections to “Family-group names in Coleoptera (Insecta)”. *ZooKeys* 922: 65–139. <https://doi.org/10.3897/zookeys.922.46367>
- Bouchard P, Bousquet Y, Davies AE, Alonso-Zarazaga MA, Lawrence JF, Lyal CHC, Newton AF, Ried CAM, Schmitt M, Ślipiński SA, Smith ABT (2011) Family-group names in Coleoptera (Insecta). *ZooKeys* 88: 1–972. <https://doi.org/10.3897/zookeys.88.807>
- Bousquet Y (2016) *Litteratura Coleopterologica (1758–1900): a guide to selected books related to the taxonomy of Coleoptera with publication dates and notes*. *ZooKeys* 583: 1–776. <https://doi.org/10.3897/zookeys.583.7084>
- Carlton C (2013) Checklist of Coleoptera Known from Great Smoky Mountains National Park. http://www.lsuinsects.org/research/smokymountainsnationalpark/checklist_coleoptera.html
- Czech B, Krausman PR, Devers PK (2000) Economic associations among causes of species endangerment in the United States. *BioScience* 50(7): 593–601. [https://doi.org/10.1641/0006-3568\(2000\)050\[0593:EAACOS\]2.0.CO;2](https://doi.org/10.1641/0006-3568(2000)050[0593:EAACOS]2.0.CO;2)
- Chursina MA, Ruchin AB (2018a) A checklist of Bombyliidae (Diptera) from Mordovia, Russia and variation of wing shape in *Bombylius* species. *Biodiversitas* 19(6): 2147–2156.
- Chursina MA, Ruchin AB (2018b) A checklist of Syrphidae (Diptera) from Mordovia, Russia. *Halteres* 9: 57–73.

- Danilevsky ML (2019) Catalogue of Palaearctic Cerambycoidea. https://www.zin.ru/Animalia/Coleoptera/rus/cer_edit.htm
- Egorov LV (2017) Brentidae (Coleoptera) associated trophically with a *Alcea rosea* L. in Chuvashia and its neighboring regions. Scientific proceedings of the State Nature Reserve "Prisursky" 32: 141–145.
- Egorov LV, Ruchin AB (2012) Some data concerning the Coleoptera fauna of the Mordovia State Nature Reserve. Proceedings of the Mordovia State Nature Reserve 10: 4–57.
- Egorov LV, Ruchin AB (2013a) Comments on the article by V.F. Feoktistov on the fauna of insects of the Mordovia State Nature Reserve. Proceedings of the Mordovia State Nature Reserve 11: 287–302.
- Egorov LV, Ruchin AB (2013b) Some data concerning the Coleoptera fauna of the Mordovia State Nature Reserve. Information 2. Proceedings of the Mordovia State Nature Reserve 11: 133–192.
- Egorov LV, Ruchin AB (2014) Some data concerning the Coleoptera fauna of the Mordovia State Nature Reserve. Information 3. Proceedings of the Mordovia State Nature Reserve 12: 26–78.
- Egorov LV, Ruchin AB (2020) About new finds of *Melandrya barbata* (Fabricius, 1787) (Coleoptera: Melandryidae) in the European part of Russia. Eversmannia 61: 61–62.
- Egorov LV, Ruchin B, Alekseev SK (2010) Additions to the fauna of beetles (Insecta, Coleoptera) of the Mordovia State Nature Reserve. Scientific proceedings of the State Nature Reserve "Prisursky" 24: 45–49.
- Egorov LV, Ruchin AB, Semishin GB (2015) Some data concerning the Coleoptera fauna of the Mordovia State Nature Reserve. Information 4. Proceedings of the Mordovia State Nature Reserve 14: 82–156.
- Egorov LV, Ruchin AB, Semishin GB (2016) Some data concerning the Coleoptera fauna of the Mordovia State Nature Reserve. Information 5. Proceedings of the Mordovia State Nature Reserve 16: 293–364.
- Egorov LV, Ruchin AB, Semishin GB (2017) Some data concerning the Coleoptera fauna of the Mordovia State Nature Reserve. Information 6. Proceedings of the Mordovia State Nature Reserve 18: 81–143.
- Egorov LV, Ruchin AB, Semishin GB (2018) Some data concerning the Coleoptera fauna of the Mordovia State Nature Reserve. Information 7. Proceedings of the Mordovia State Nature Reserve 20: 52–97.
- Egorov LV, Ruchin AB, Semishin GB (2019) Some data concerning the Coleoptera fauna of the Mordovia State Nature Reserve. Information 8. Proceedings of the Mordovia State Nature Reserve 22: 3–62. <https://doi.org/10.24189/ncr.2018.003>
- Egorov LV, Ruchin AB, Semishin GB (2020) Some data concerning the Coleoptera fauna of the Mordovia State Nature Reserve. Information 9. Proceedings of the Mordovia State Nature Reserve 24: 61–150.
- Egorov LV, Semishin GB (2016) The beetles collected by window traps in the Mordovia State Nature Reserve named after P.G. Smidovich. Information 1. Proceedings of the Mordovia State Nature Reserve 17: 70–78.
- Egorov LV, Shapovalov AM (2017) On the distribution of a poorly known longicorn beetle, *Phymatodes abietinus* Plavilstshikov et Lurie, 1960 (Coleoptera, Cerambycidae: Cerambycinae). Entomological Review 97(3): 353–356. <https://doi.org/10.1134/S0013873817030083>

- Feoktistov VF (1978) The composition and ecological structure of the ground beetle population of phytocenotic series in the Mordovia State Nature Reserve. In: Invertebrate fauna and ecology. Moscow: 53–67.
- Feoktistov VF (2008) Fauna of Carabidae (Coleoptera) of the Mordovia State Nature Reserve. *Izvestia of Samara Scientific Center of the Russian Academy of Sciences* 10(5/1): 145–149.
- Feoktistov VF (2011) The list of insect species discovered for the first time in the Mordovia State Nature Reserve and in adjacent territories. *Mordovia University Bulletin* 4: 83–89.
- Feoktistov VF, Dushenkov VM (1982) Seasonal dynamics of the activity of ground beetles (Coleoptera, Carabidae) in various types of forests near the southern border of the taiga. *Zoologicheskii Zhurnal* 61(2): 227–232.
- Golub VB, Tsurikov MN, Prokin AA (2012) Insect collections: collection, processing and storage of material. Moscow, KMK Press, 339 pp.
- Grebennikov KA (2016) Study of biodiversity of nature reserves of the Russia in the digital age: experience and perspectives. *Nature Conservation Research* 1(2): 1–10. <https://doi.org/10.24189/ncr.2016.012>
- Huang J, Colonelli E (2014) On the true identity of *Curculio pericarpus* Linnaeus, 1758 (Coleoptera: Curculionidae). *Fragmenta entomologica* 46(1–2): 117–120. <https://doi.org/10.4081/fe.2014.74>
- Kalniņš M, Juceviča E, Karpa A, Salmane I, Poppels A, Teļnovs D (2007) Invertebrates: In: Pilāts V (Ed.) Biodiversity in Gauja National Park. Sigulda, Gauja National park administration, 106–149.
- Kazantsev SV (2011) An annotated checklist of Cantharoidea (Coleoptera) of Russia and adjacent territories. *Russian Entomological Journal* 20(4): 387–410. <https://doi.org/10.15298/rusentj.20.4.05>
- Kazantsev SV, Egorov LV, Ruchin AB (2019) Discovery of *Lopheros lineatus* (Gorham, 1883) (Coleoptera, Lycidae) in Mordovia, Central Russia. *Entomological Review* 99 (5): 656–659. <https://doi.org/10.1134/S0013873819050099>
- Kestemont B (2019) The bottom-up assessment of threatened species. *Nature Conservation Research* 4(3): 93–106. <https://doi.org/10.24189/ncr.2019.036>
- Kirsta LV (1974) The distribution and role of common and lesser pine shoot beetles in the stands of the Mordovia State Nature Reserve. *Proceedings of the Mordovia State Nature Reserve* 6: 134–140.
- Khapugin AA, Ruchin AB (2019) Red Data Book vascular plants in the Mordovia State Nature Reserve, a protected area in European Russia. *Wulfenia* 26: 53–71.
- Khapugin AA, Vargot EV, Chugunov GG (2016) Vegetation recovery in fire-damaged forests: a case study at the southern boundary of the taiga zone. *Forestry Studies* 64: 39–50. <https://doi.org/10.1515/fsmu-2016-0003>
- Kottawa-Arachchi JD, Wijeratne MA (2017) Climate change impacts on biodiversity and ecosystems in Sri Lanka: a review. *Nature Conservation Research* 2(3): 2–22. <https://doi.org/10.24189/ncr.2017.042>
- Kovalev AV, Egorov LV (2017) Contributions to the knowledge of false click-beetles (Insecta, Coleoptera: Eucnemidae) of the middle part of European Russia. *Scientific Proceedings of the State Nature Reserve “Prisursky”* 32: 154–159.

- Kumar L, Jayasinghe S, Gopalakrishnan T (2020) Climate change and impacts on biodiversity on small islands. In: Climate change and impacts in the Pacific. Springer Climate. Springer, 449–474. https://doi.org/10.1007/978-3-030-32878-8_12
- Kurbatov SA, Egorov LV (2012) Review of the Fauna of the Beetle Families Scydmaenidae and Pselaphidae (Coleoptera, Staphylinioidea) of Chuvashia. *Entomological Review* 92(8): 864–878. <https://doi.org/10.1134/S0013873812080052>
- Kurbatov SA, Egorov LV (2014) Materials for the knowledge of Pselaphidae and Scydmaenidae (Coleoptera, Staphylinioidea) of the Mordovia State Nature Reserve. *Proceedings of the Mordovia State Nature Reserve* 12: 421–425.
- Kurmaeva DK, Bugaev KE, Ruchin AB (2008) Materials for the fauna of click beetles (Coleoptera: Elateridae) of the Mordovia State Nature Reserve. *Entomological and parasitological investigations in Volga region* 7: 103–105.
- Lachat T, Wermelinger B, Gossner MM, Bussler H, Isacson G, Müller J (2012) Saproxyllic beetles as indicator species for dead-wood amount and temperature in European beech forests. *Ecological Indicators* 23: 323–331. <https://doi.org/10.1016/j.ecolind.2012.04.013>
- Lambin EF, Geist HJ, Lepers E (2003) Dynamics of Land-Use and Land-Cover Change in Tropical Regions. *Annual Review of Environment and Resources* 28: 205–241. <https://doi.org/10.1146/annurev.energy.28.050302.105459>
- Legalov AA, Egorov LV, Ruchin AB (2014) First record of *Mesauletobius pubescens* (Kiesenwetter, 1851) (Coleoptera, Rhynchitidae) in Russia. *Euroasian Entomological Journal* 13 (4): 400.
- Lindenmayer DB, Franklin JF, Fischer J (2006) General management principles and a checklist of strategies to guide forest biodiversity conservation. *Biological Conservation* 131: 433–445. <https://doi.org/10.1016/j.biocon.2006.02.019>
- Löbl I, Löbl D (Eds) (2017) Catalogue of Palaearctic Coleoptera Vol. 1. Revised and updated version. Archostemata – Adephaga – Myxophaga. Leiden-Boston, Brill, 1443 pp. https://doi.org/10.1163/9789004330290_002
- Löbl I, Löbl D (Eds) (2015) Catalogue of Palaearctic Coleoptera Vol. 2/1. Revised and updated version. Hydrophiloidea – Staphylinioidea. Leiden-Boston, Brill, 1702 pp. https://doi.org/10.1163/9789004296855_003
- Löbl I, Löbl D (Eds) (2016) Catalogue of Palaearctic Coleoptera Vol. 3. Revised and updated version. Scarabaeoidea – Scirtoidea – Dascilloidea – Buprestoidea – Byrrhoidea. Leiden-Boston, Brill, 983 pp.
- Löbl I, Smetana A (Eds) (2007) Catalogue of Palaearctic Coleoptera Vol. 4. Elateroidea – Derodontoidoidea – Bostrichoidea – Lymexyloidea – Cleroidea – Cucujoidea. Stenstrup, Apollo Books, 935 pp. <https://doi.org/10.1163/9789004260894>
- Löbl I, Smetana A (Eds) (2008) Catalogue of Palaearctic Coleoptera Vol. 5. Tenebrionoidea. Stenstrup, Apollo Books, 670 pp. <https://doi.org/10.1163/9789004260900>
- Löbl I, Smetana A (Eds) (2010) Catalogue of Palaearctic Coleoptera Vol. 6: Chrysomeloidae. Stenstrup, Apollo Books, 924 pp.
- Löbl I, Smetana A (Eds) (2011) Catalogue of Palaearctic Coleoptera Vol. 7: Curculionoidea I. Stenstrup, Apollo Books, 373 pp. <https://doi.org/10.1163/9789004260931>
- Löbl I, Smetana A (Eds) (2013) Catalogue of Palaearctic Coleoptera Vol. 8: Curculionoidea II. Stenstrup, Apollo Books, 707 pp. <https://doi.org/10.1163/9789004259164>

- Makarkin VN, Ruchin AB (2019) New data on Neuroptera and Raphidioptera of Mordovia (Russia). *Caucasian Entomological Bulletin* 15(1): 147–157. <https://doi.org/10.23885/181433262019151-147157>
- Mandelsham MYu, Egorov LV (2017) Materials for the knowledge of bark beetles (Coleoptera, Curculionidae, Scolytinae) of the Mordovia State Nature Reserve. Information 1. *Proceedings of the Mordovia State Nature Reserve* 18: 274–278.
- Mandelsham MYu, Egorov LV (2018) Materials for the knowledge of bark beetles (Coleoptera, Curculionidae, Scolytinae) of the Mordovia State Nature Reserve. Information 2. *Proceedings of the Mordovia State Nature Reserve* 20: 216–221.
- Mandelsham MY, Egorov LV (2019) Materials for the knowledge of bark beetles (Coleoptera, Curculionidae, Scolytinae) of the Mordovia State Nature Reserve. Information 3. *Proceedings of the Mordovia State Nature Reserve* 22: 279–285.
- Médail F, Quézel P (1999) Biodiversity Hotspots in the Mediterranean Basin: Setting Global Conservation Priorities. *Conservation Biology* 13(6): 1510–1513. <https://doi.org/10.1046/j.1523-1739.1999.98467.x>
- Mozolevskaya EG, Chekanov MI, Chekanova TP (1971) Dendrophilous insects of the Mordovia State Nature Reserve. *Proceedings of the Mordovia State Nature Reserve* 5: 199–218.
- Myers N, Knoll AH (2001) The biotic crisis and the future of evolution. *Proceedings of the National Academy of Sciences USA* 98(10): 5389–5392. <https://doi.org/10.1073/pnas.091092498>
- Negrobov OP, Maslova OO, Selivanova OV (2018) Fauna of the family Dolichopodidae (Diptera) of the Astrakhan State Nature Biosphere Reserve (Russia). *Nature Conservation Research* 3(2): 91–96. <https://doi.org/10.24189/ncr.2018.055>
- Nikitsky NB (2019) The beetles (Insecta, Coleoptera) of the Moscow oblast. Part 2. Moscow, Direct-Media, 787 pp.
- Nikolaeva AM, Ivancheva EYu, Lychkovskaya IYu (2015) Invertebrate animals. In: Ivanchev VP (Ed) *Oka state nature reserve: history, people, nature*. Ryazan, 261–299.
- Nilsson AN, Hájek J (2019) Catalogue of Palearctic Dytiscidae (Coleoptera). Internet version 2019-01-01. <http://www.waterbeetles.eu>
- Novacek MJ, Cleland EE (2001) The current biodiversity extinction event: Scenarios for mitigation and recovery. *Proceedings of the National Academy of Sciences USA* 98(10): 5466–5470. <https://doi.org/10.1073/pnas.091093698>
- Orlova-Bienkowskaja MJ (Ed.) (2019) Inventory on alien beetles of European Russia. Livny, Mukhametov GV, 882 pp. <https://www.zin.ru/Animalia/Coleoptera/rus/invguide.htm>
- Pavlov VS, Ruchin AB (2013) Ecological analysis of lamellar Coleoptera (Scarabaeoidea) of the Mordovia State Nature Reserve. *Mordovia University Bulletin* 3–4: 122–124.
- Pravilshchikov NN (1964) A list of insect species found on the territory of the Mordovia State Nature Reserve. *Proceedings of the Mordovia State Nature Reserve* 2: 105–134.
- Plewa R, Jaworski T, Tarwacki G, Sućko K, Konwerski Sz, Królik R, Lason A, Melke A, Przewoźny M, Ruta R, Szotyś H, Dodelin B, Hilszczański J (2020) New records of beetle species (Coleoptera) from the Polish part of Białowieża Forest with special emphasis on the genus *Episernus* C.G. Thomson, 1863 (Ptinidae) in Central Europe. *Polish Journal of Entomology* 89(1): 26–42. <https://doi.org/10.5604/01.3001.0014.0298>

- Polevoi AV, Humala AE, Kulebyakina EV, Kutenkova NN (2018) First records of two remarkable Coleoptera species *Cucujus cinnaberinus* and *Metoecus paradoxus* (Coleoptera: Cucujidae, Rhipiphoridae) from the Republic of Karelia (Russia). *Nature Conservation Research* 3(3): 98–102. <https://doi.org/10.24189/ncr.2018.036>
- Pozsgai G, Littlewood NA (2014) Ground beetle (Coleoptera: Carabidae) population declines and phenological changes: Is there a connection? *Ecological Indicators* 41: 15–24. <https://doi.org/10.1016/j.ecolind.2014.01.029>
- Priklonsky SG, Egorov LV, Semin AV, Butenko OM, Khrisanova MA (2001) The beetles of the Oka Nature Reserve (annotated list of species). Moscow, 72 pp. [Flora and fauna of reserves. Vol. 95].
- Prokin AA, Sazhnev AS, Philippov DA (2019) Water beetles (Insecta: Coleoptera) of some peatlands in the North Caucasus. *Nature Conservation Research* 4(2): 57–66. <https://doi.org/10.24189/ncr.2019.016>
- Redikortsev VV (1938) Materials to the entomofauna of the Mordovia State Nature Reserve. In: *Fauna of the Mordovia State Nature Reserve: Scientific Results of the Zoological Expedition under the Guidance of Prof. S.S. Turov in 1936*. Moscow, 137–146.
- Reid WV (1998) Biodiversity hotspots. *Trends in Ecology & Evolution* 13(7): 275–280. [https://doi.org/10.1016/S0169-5347\(98\)01363-9](https://doi.org/10.1016/S0169-5347(98)01363-9)
- Robertson J, Ślipiński A, Moulton M, Shockley FW, Giorgi A, Lord NP, McKenna DD, Tomaszewska W, Forrester J, Miller KB, Whiting MF, McHugh JV (2015) Phylogeny and classification of Cucujoidea and the recognition of a new superfamily Coccinelloidea (Coleoptera: Cucujiformia). *Systematic Entomology* 40: 745–778. <https://doi.org/10.1111/syen.12138>
- Rozhnov VV, Lavrinenko IA, Razzhivin VYu, Makarova OL, Lavrinenko OV, Anufriev VV, Babenko AB, Bizin MS, Glazov PM, Goryachkin SV, Kolesnikova AA, Matveyeva NV, Pestov SV, Petrovskii VV, Pokrovskaya OB, Tanasevich AV, Tatarinov AG (2019). Biodiversity revision of a large arctic region as a basis for its monitoring and protection under conditions of active economic development (Nenetsky Autonomous Okrug, Russia). *Nature Conservation Research* 4(2): 1–28. <https://doi.org/10.24189/ncr.2019.015>
- Ruchin AB, Alekseev SK, Khapugin AA (2019a) Post-fire fauna of carabid beetles (Coleoptera, Carabidae) in forests of the Mordovia State Nature Reserve (Russia). *Nature Conservation Research* 4(1): 11–20. <https://doi.org/10.24189/ncr.2019.009>
- Ruchin A, Antropov A (2019) Wasp fauna (Hymenoptera: Bethyridae, Chrysididae, Dryinidae, Tiphiidae, Mutillidae, Scoliididae, Pompilidae, Vespidae, Sphecidae, Crabronidae & Trigonalidae) of Mordovia State Nature Reserve and its surroundings in Russia. *Journal of Threatened Taxa* 11(2): 13195–13250. <https://doi.org/10.11609/jott.4216.11.2.13195-13250>
- Ruchin AB, Egorov LV (2007) Preliminary data on the fauna of Scarabaeoidea (Coleoptera) of the Republic of Mordovia. *Entomological and parasitological investigations in Volga region* 6: 53–66.
- Ruchin AB, Egorov LV (2017a) New and interesting species of Coleoptera in the Republic of Mordovia. *Eversmannia* 51–52: 21–26.
- Ruchin AB, Egorov LV (2017b) Overview of insect species included in the Red Data Book of Russian Federation in the Mordovia State Nature Reserve. *Nature Conservation Research* 2(1): 2–9. <https://doi.org/10.24189/ncr.2017.016>

- Ruchin AB, Egorov LV (2018a) Beetles (Insecta, Coleoptera), collected using fermental crown traps in the Republic of Mordovia. Report 1. Mordovia State Nature Reserve. Scientific proceedings of the State Nature Reserve “Prisursky” 33: 209–215.
- Ruchin AB, Egorov LV (2018b) Discovery of *Allonyx quadrimaculatus* (Schaller, 1783) (Coleoptera Cleridae Clerinae) in Russia. Redia 101: 143–146. <https://doi.org/10.19263/REDIA-101.18.19>
- Ruchin AB, Egorov LV (2018c) Fauna of longicorn beetles (Coleoptera: Cerambycidae) of Mordovia. Russian Entomological Journal 27(2): 161–177. <https://doi.org/10.15298/rusentj.27.2.07>
- Ruchin AB, Egorov LV (2018d) *Leptura aurulenta* (Coleoptera, Cerambycidae), a new record of a very rare species in Russia. Nature Conservation Research 3(1): 88–91. <https://doi.org/10.24189/ncr.2018.003>
- Ruchin AB, Egorov LV (2018e) On distribution of *Mimela holosericea* (Fabricius, 1787) (Insecta, Scarabaeoidea, Scarabaeidae, Rutelinae) in Russia and adjacent territories. Journal of Entomological and Acarological Research 50 (7390): 1–13. <https://doi.org/10.4081/jea.2018.7390>
- Ruchin AB, Egorov LV (2019a) Contribution to the Study of the Cantharoidea (Coleoptera: Drilidae, Lycidae, Lampyridae, Cantharidae) in the Republic of Mordovia (Russia). Entomology and Applied Science Letters 6(2): 1–12.
- Ruchin AB, Egorov LV (2019b) New records of *Purpuricenus globulicollis* Dejean, 1839 (Coleoptera, Cerambycidae) from Central Russia. Humanity space 8(9): 1198–1201.
- Ruchin AB, Egorov LV, Alekseev SK (2013) The annotated list of carrion beetles (Coleoptera, Silphidae) in Mordovia. University proceedings. Volga region. Natural Sciences 2(2): 28–41.
- Ruchin AB, Egorov LV, Alekseev SK, Artaev ON (2016) Ground beetles of the Mordovia State Nature Reserve (annotated species list). Moscow, 36 pp. [Flora and fauna of reserves. Vol. 127]
- Ruchin AB, Egorov LV, Alekseev SK, Kurmaeva DK, Ryzhov MK, Semishin GB (2009) New species of beetles (Insecta: Coleoptera) in the fauna of the Republic of Mordovia. News of Kaluga Society of a Nature Research 9: 73–86.
- Ruchin AB, Egorov LV, Khapugin AA, Vikhrev NE, Esin MN (2020) The use of simple crown traps for the insects collection. Nature Conservation Research 5(1): 87–108. <https://doi.org/10.24189/ncr.2020.008>
- Ruchin AB, Egorov LV, Sazhnev AS, Ishin RN (2019b) *Metoecus paradoxus* (Linnaeus, 1760) (Coleoptera: Ripiphoridae), a new species for the fauna of Republic of Mordovia, Nizhniy Novgorod, Saratov and Tambov Provinces. Eversmannia 59–60: 59–60.
- Ruchin AB, Egorov LV, Sazhnev AS, Polumordvinov OA, Ishin RN (2019c) Present distribution of *Protaetia fieberi* (Kraatz, 1880) (Insecta, Coleoptera, Scarabaeidae) in the European part of Russia. Biharean Biologist 13(1): 12–16.
- Ruchin AB, Egorov LV, Semishin GB (2018) Fauna of click beetles (Coleoptera: Elateridae) in the interfluvium of Rivers Moksha and Sura, Republic of Mordovia, Russia. Biodiversitas 19(4): 1352–1365. <https://doi.org/10.13057/biodiv/d190423>
- Ruchin AB, Egorov LV, Semishin GB (2019d) Ladybird beetles fauna (Coleoptera: Coccinellidae) of the Republic of Mordovia, Russia. Biodiversitas 20(2): 316–327. <https://doi.org/10.13057/biodiv/d200203>

- Ruchin AB, Khapugin AA (2019) Red data book invertebrates in a protected area of European Russia. *Acta Zoologica Academiae Scientiarum Hungaricae* 65(4): 349–370. <https://doi.org/10.17109/AZH.65.4.349.2019>
- Ruchin AB, Kurmaeva DK (2010) On rare insects of Mordovia included in the Red Book of the Russian Federation. *Entomological Review* 90(6): 712–717. <https://doi.org/10.1134/S0013873810060060>
- Ruchin AB, Makarkin NV (2017) Neuroptera and Raphidioptera in the Mordovia State Nature Reserve. *Nature Conservation Research* 2(2): 38–46. <https://doi.org/10.24189/ncr.2017.001>
- Ruchin AB, Mikhailenko AP (2018) Fauna of mantids and orthopterans (Insecta: Mantodea, Orthoptera) of the Mordovia State Nature Reserve, Russia. *Biodiversitas* 19(4): 1194–1206. <https://doi.org/10.13057/biodiv/d190403>
- Sazhnev AS (2017) Materials for the fauna of aquatic invertebrates of the Mordovia Reserve. Information 1. *Proceedings of the Mordovia State Nature Reserve* 18: 184–189.
- Schimmel R, Tarnawski D, Han T, Platia G (2015) Monograph of the new tribe Selatosomini from China (Elateridae: Denticollinae). Part I. *Polish Entomological Monographs*, Vol. 11, Polish Entomological Society, Poznan, 328 pp.
- Semenov VB (2009) An annotated checklist of beetles (Insecta, Coleoptera) of Central Meshchera. Moscow, KMK Scientific Press Ltd., 168 pp.
- Semenov VB (2014) To the knowledge of staphylinid beetles (Coleoptera, Staphylinidae) of the Mordovia State Nature Reserve. *Proceedings of the Mordovia State Nature Reserve* 12: 217–240.
- Semenov VB (2015) Additions to the fauna of staphylinid beetles (Coleoptera, Staphylinidae) of the Mordovia State Nature Reserve. *Proceedings of the Mordovia State Nature Reserve* 14: 358–365.
- Semenov VB (2016) New data on the fauna of staphylinid beetles (Coleoptera, Staphylinidae) of Mordovia. *Proceedings of the Mordovia State Nature Reserve* 16: 431–434.
- Semenov VB (2017) Materials for the knowledge of staphylinid beetles (Coleoptera, Staphylinidae) of the Mordovia State Nature Reserve. *Proceedings of the Mordovia State Nature Reserve* 18: 190–205.
- Semenov VB, Gildenkov MYu, Starodubtseva OA, Semionenkov OI (2011) The beetles (Insecta: Coleoptera) of National Park “Smolensk Lakeland”. Smolensk, 128 pp.
- Silva MS, Ferreira RL (2016) The first two hotspots of subterranean biodiversity in South America. *Subterranean Biology* 19(22): 1–21. <https://doi.org/10.3897/subtbiol.19.8207>
- Stojko TG, Senkevich VA (2018) Species composition and spatial structure of the zooplankton community in Lake Inorki (Mordovia State Nature Reserve, Russia). *Nature Conservation Research* 3(3): 15–27. <https://doi.org/10.24189/ncr.2018.014>
- Storozhenko SYu, Sundukov YuN, Lelei AS, Sidorenko VS, Proshchalykin MYu (2009) Insects of Lasovsky Nature Reserve Vladivostok, Dalnauka, 464 pp.
- Tomaszewska W, Egorov LV, Ruchin AB, Vlasov DV (2018) First record of *Clemmus troglodytes* (Coleoptera: Coccinelloidea, Anamorphidae) for the fauna of Russia. *Nature Conservation Research* 3(3): 103–105. <https://doi.org/10.24189/ncr.2018.016>
- Tsinkevich VA (Ed.) (2017) Catalogue of insects of the National Park “Belovezhskaya pushcha” Minsk, Belarusian House of Printing, 344 pp.

- Vargot EV (2016) Mordovia State Nature Reserve's 80th anniversary. *Nature Conservation Research* 1(2): 96–102. <https://doi.org/10.24189/ncr.2016.020>
- Weibull AC, Östman Ö, Granqvist Å (2003) Species richness in agroecosystems: the effect of landscape, habitat and farm management. *Biodiversity and Conservation* 12(7): 1335–1355. <https://doi.org/10.1023/A:1023617117780>
- Zagmajster M, Culver DC, Sket B (2008) Species richness patterns of obligate subterranean beetles (Insecta: Coleoptera) in a global biodiversity hotspot – effect of scale and sampling intensity. *Diversity and Distributions* 14(1): 95–105. <https://doi.org/10.1111/j.1472-4642.2007.00423.x>
- Zamotajlov AS, Serdyuk VYu, Khomitskiy EE, Belyi AI (2019) New data on distribution and biology of some rare ground beetles (Coleoptera, Carabidae) in South Russia. *Nature Conservation Research* 4(4): 81–90. <https://doi.org/10.24189/ncr.2019.066>
- Zemoglyadchuk AV, Ruchin AB, Egorov LV (2020) An annotated checklist of the tumbling flower beetles (Coleoptera, Mordellidae) of the Republic of Mordovia, with a short review on the family in European Russia. *Zoologicheskii Zhurnal* 99(6): 641–655.