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World checklist of flea-beetles of the genus *Epitrix* (Coleoptera: Chrysomelidae: Galerucinae: Alticini)

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Abstract

The world checklist of the genus *Epitrix* (Coleoptera: Chrysomelidae: Galerucinae: Alticini) is necessary, since many species of this genus are serious pests of potato and other Solanaceae, and since some species have been inadvertently introduced from one continent to another and established. We have compiled the catalogue of all species described to date. There are 162 species and 11 subspecies in the world. The geographic distribution is indicated for each species.

Key words: leaf-beetle, catalogue, pest, potato, tomato, alien species

Introduction

The genus *Epitrix* has almost worldwide distribution. It occurs in all continents except Australia and Antarctic. The last worldwide catalog was published more than 70 years ago (Heikertinger & Csiki, 1940), and numerous new species were described later on. A number of species in this genus are serious pests of potato, tomato, eggplant, tobacco and other cultivated plants. Some species of the genus have been inadvertently introduced to areas outside their native range, in particular, from North America to Europe and Asia, from Europe to North America, and from different continents to the oceanic islands (Döberl, 2010; Deczynski, 2014). Four species are regarded as quarantine pests in Europe (EPP0, 2015). Therefore, the worldwide checklist is necessary for plant quarantine and protection services in Europe, Asia and North America. Recently we prepared a key to all Holarctic species of the genus *Epitrix* (Bieńkowski & Orlova-Bienkowskaja, 2016). As the next step of our work on the systematics of the genus *Epitrix* we offer a worldwide checklist of all species described to date. It includes 162 species and 11 subspecies.

Methods and materials

We studied the original descriptions of all nominal taxa, many other taxonomical publications including worldwide “Coleopterorum Catalogus” of Alticinae (Heikertinger & Csiki, 1940), Catalogue of Palaearctic Coleoptera (Döberl, 2010), “General distribution of the flea beetles in the Palaearctic Subregion” (Gruev & Döberl, 1997; 2005), “Catalog of leaf beetles of America north of Mexico” (Riley *et al.*, 2003), volumes 1-151 of Zoological Record (1864-2015), Internet databases: Global Names Index (2016), Index to organisms names (2016), Chrysomelidae @ MIZA (2016).

Checklist of flea-beetles of the genus *Epitrix* Foudras

Epitrix Foudras, 1860a: 147. Type species: *Epitrix atropae* Foudras, 1860b: 55, by subsequent designation by Maulik (1926): 130, 133.

- Epithrix* Bedel, 1899: 179. Unjustified emendation, available name, junior objective synonym in its original spelling (ICZN, 1999, 33.2.3).
- Euplectnema* Jacoby, 1906: 22. Type species: *Euplectnema nigrata* Jacoby, 1906: 22, by monotypy. Synonymized by Scherer (1963).
- abeillei* (Bauduer, 1874: CLXIII) (*Crepidodera*)
(judaea Allard, 1876: 21) (*Crepidodera*)
(judaea var. *testaceipes* Pic, 1909: 226) (*Epithrix*)
 Israel, terra typica (Bauduer, 1874); Afghanistan; Azerbaijan; China: Xinjian; Egypt; Iran; Iraq; Jordan; Kazakhstan; Lebanon; Mongolia; Syria; Turkey; Turkmenistan; Uzbekistan (Mohr, 1968; Döberl, 2010).
- aeneicollis* Jacoby, 1891: 289
 Mexico, Guatemala (Jacoby, 1891; Heikertinger & Csiki, 1940; Furth & Savini, 1996).
- aethiopica aethiopica* (Weise, 1910): 222 (*Epithrix*)
 Tanzania (Heikertinger & Csiki, 1940); Uganda, Democratic Republic of the Congo (Bechyné, 1959a, 1960).
- aethiopica major* Bechyné, 1960: 84
 Kenya (Bechyné, 1960).
- allardii* (Wollaston, 1860: 1) (*Haltica* subgen. *Crepidodera*)
 Canary Isls. (Wollaston, 1860; Döberl, 2010).
Remarks. Heikertinger (1950) proposed to consider *E. allardii* as a subspecies: *E. atropae allardii*. However, this point of view was not accepted later (Warchałowski, 2003; Döberl, 2000, 2010)
- aloesia* Bechyné, 1956: 1004
 Brazil (Bechyné, 1956)
- anahoria* Bechyné et Springlova de Bechyné, 1960: 64
 Salvador (Bechyné & Springlova de Bechyné, 1960)
- angelina* Bechyné et Springlova de Bechyné, 1960: 67
 Salvador (Bechyné & Springlova de Bechyné, 1960)
- angostura* Bechyné, 1959b: 322
 Bolivia (Bechyné, 1959b)
- apanecana* Bechyné et Springlova de Bechyné, 1960: 63
 Salvador (Bechyné & Springlova de Bechyné, 1960)
- apicicornis* Baly, 1876: 589
 N. Brazil, terra typica (Baly, 1876); Peru (Heikertinger & Csiki, 1940)
- argentinensis* Bryant, 1940: 54
 Argentina (Bryant, 1940)
- atomaria* Weise, 1929: 19
 Trinidad Isl. (Weise, 1929; Heikertinger & Csiki, 1940)
- atomarioides* Bechyné, 1955a: 163
 Bolivia (Bechyné, 1955a; Bechyné, 1959b)
- atripes atripes* Harold, 1875: 39
 Dominican Republic, terra typica (Harold, 1875); Colombia, Panama, Costa Rica, Guatemala (Heikertinger & Csiki, 1940)
- atripes silvicola* Bechyné et Springlova de Bechyné, 1960: 62
 Salvador, terra typica (Bechyné & Springlova de Bechyné, 1960); Guatemala (Furth & Savini, 1996)
- atropae* Foudras, 1860b: 55
(atropae var. *nigritula* Weise, 1886: 711)
(atropae var. *quadrinaculata* Weise, 1886: 711)
(atropae f. *nigripennis* Heikertinger & Csiki, 1940: 328) (*Epithrix*)
(atropae f. *nigrosuturata* Heikertinger & Csiki, 1940: 328) (*Epithrix*)
 Switzerland, terra typica (Foudras, 1860b); Albania; Algeria; Armenia; Austria; Azerbaijan; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czech Republic; France; Germany; Hungary; Italy; Luxemburg; Macedonia; Netherlands; Poland; Romania; Slovakia; Slovenia; Spain; Turkey; UK; Ukraine (Döberl, 2010); Montenegro; Serbia (Gruev & Döberl, 1997); Crimea (Shapiro, 1961), N. Caucasus (Shapiro, 1969; Yaroshenko, 1986; original data), European Russia: Voronezh Region (original data); Abkhazia (Okhrimenko, 1992).

- auricoma* Bechyné et Springlova de Bechyné, 1960: 64
 Salvador (Bechyné & Springlova de Bechyné, 1960)
- bamendaensis* Scherer, 1959: 250
 Cameroon (Scherer, 1959)
- beniensis* Bechyné, 1959b: 323
 Bolivia (Bechyné, 1959b)
- biscuta biscuta* Bechyné et Springlova de Bechyné, 1961a: 42
 Brazil (Bechyné & Springlova de Bechyné, 1961a)
- biscuta diluta* Bechyné, 1966: 416
 Venezuela (Bechyné, 1966)
- brevis* Schwarz, 1878: 367
 Canada: Ontario; USA: Florida, terra typica (Schwarz, 1878), Alabama, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, Rhode Island, South Carolina, Tennessee, Texas, Virginia, West Virginia, Wisconsin (Riley *et al.*, 2003); Delaware, Pennsylvania (Deczynski, 2014).
- carecuruensis* Bechyné & Springlová de Bechyné, 1965: 25
 Brazil (Bechyné & Springlová de Bechyné, 1965)
- catharina* Bechyné, 1955a: 168
 Brazil (Bechyné, 1955a; Scherer, 1960; Bechyné & Springlová de Bechyné, 1978)
- caucasica* (Heikertinger, 1950: 120) (*Epithrix*)
 “Caucasus”, terra typica (Heikertinger, 1950); Azerbaijan; Georgia; India; Iran; Kazakhstan; Turkey; Turkmenistan (Döberl, 2010); Crimea (original data).
- cochabamba* Bechyné, 1955a: 162
 Bolivia (Bechyné, 1955a; Bechyné, 1959b)
- convexa* Jacoby, 1885: 351
 Guatemala, Mexico (Heikertinger & Csiki, 1940); Nicaragua (Furth & Savini, 1996)
- coroicensis* Bechyné, 1955a: 163
 Bolivia (Bechyné, 1955a; Bechyné, 1959b)
- cucumeris* (Harris, 1851: 103) (*Haltica*)
 (*seminulum* LeConte, 1861: 358) (*Haltica* (*Crepidodera*))
 (*azorica* Gruev, 1981: 1)
- Distribution in America.** USA: Alabama, Arkansas, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Pennsylvania, Rhode Island, South Carolina, South Dakota, Vermont, Virginia, West Virginia, Wisconsin, Wyoming (Riley *et al.*, 2003), New Mexico (EPPO, 2005), Oregon, Tennessee, Washington (CABI, 2013); Canada: Manitoba, New Brunswick, Newfoundland, Nova Scotia, Ontario, Prince Edward Island, Quebec, Saskatchewan (Riley *et al.*, 2003), Alberta, British Columbia, Northwest Territories, Nunavut, Yukon (CABI, 2013); Mexico (Heikertinger & Csiki, 1940; Furth & Savini, 1996); Guatemala (Heikertinger & Csiki, 1940; Downie & Arnett, 1996); Bolivia; Colombia; Costa Rica; Dominican Republic; Ecuador; Guadeloupe; Jamaica; Nicaragua; Puerto Rico; Venezuela (EPPO, 2015). *E. cucumeris* is also recorded from California (USA) (CABI, 2013; EPPO, 2015), but this record is doubtful. It could refer to another species, since it is based on the reference to the work published in 1932, i.e. before description of two species close to *E. cucumeris*: *E. tuberosa* and *E. similis*.
- History of invasions.** *New Caledonia.* In 1945 *E. cucumeris* was detected in New Caledonia. The introduction may have taken place during World War II, for the specimens were collected during that time. Whether the species has become established on New Caledonia is an unanswered question (Samuelson, 1973).
- Azores.* *E. cucumeris* was first found in Azores in 1979 in Faial Island and identified as the new species *Epithrix azorica* (Gruev, 1981). Later it was found to be the North-American species *E. cucumeris* (Israelson, 1985). Then it has become established and widespread in the islands except Corvo (Boavida & Germain, 2009).
- Madeira.* *E. cucumeris* was firstly recorded in Madeira in 2001 (Gruev & Döberl, 2005).

Mainland Portugal. *E. cucumeris* was firstly collected in mainland Portugal in 2007 north of Porto (Boavida & Germain, 2009). Then it was detected in several other locations in Northern Portugal (Doguet, 2009; Boavida & Germain, 2009; Boavida *et al.*, 2013).

dalaba Bechyné, 1955b: 535

Guinea (Bechyné, 1955b)

darwinii Bryant, 1942: 101

Uruguay (Bryant, 1942)

deborah Bechyné, 1955a: 167

Brazil (Bechyné, 1955a; Scherer, 1960)

dieckmanni (Mohr, 1968: 58) (*Epithrix*)

(*paliji* Gruev, 1975: 173) (*Epithrix*)

Jordan, terra typica (Mohr, 1968); Arab Emirates; Iran; Israel; Saudi Arabia; Turkey; Turkmenistan (Gruev & Döberl, 2005, Döberl, 2010).

dilaticornis Jacoby, 1885: 352

Guatemala, Panama (Jacoby, 1885; Heikertinger & Csiki, 1940); Nicaragua, Salvador (Bechyné & Springlová de Bechyné, 1960).

domenica domenica Bechyné et Springlova de Bechyné, 1961a: 40

Brazil (Bechyné & Springlová de Bechyné, 1961a)

domenica melanopicea Bechyné, 1966: 416

Brazil (Bechyné, 1966)

egleri Bechyné & Springlová de Bechyné, 1961b: 70

Brazil (Bechyné & Springlová de Bechyné, 1961b)

ermischi (Mohr, 1968: 59) (*Epithrix*)

Iran, terra typica (Mohr, 1968); Turkmenistan; Uzbekistan (Döberl, 2010).

fallada Bechyné, 1955a: 168

Brazil (Bechyné, 1955a; Scherer, 1960; Bechyné & Springlová de Bechyné, 1978)

fasciata Blatchley, 1918: 56

(*parvula* Fabricius, 1801: 468) (*Crioceris*), nec *Galeruca parvula* Paykull, 1799: 102 (presently, *Longitarsus parvulus*).

Distribution in America. USA: Florida, terra typica (Blatchley, 1918), Georgia, Louisiana, Maryland, Mississippi, South Carolina, Texas, West Virginia (Riley *et al.*, 2003), Kansas (Germain *et al.*, 2013), Delaware, Virginia (Deczynski, 2014); Canada: Ontario (Dewaard *et al.*, 2015); Mexico (Riley *et al.*, 2003); Venezuela; Columbia; Brasil; Argentina (Scherer, 1960; White, Barber, 1974); Cuba; Bahamas; Grenada; Puerto Rico; St. Vincent (Peck, 2005); Nikaragua (GBIF, 2015); Peru (Vreugdenhil *et al.*, 2011); Cayman Isls. (Clark *et al.*, 2013).

History of invasions. *Bermuda.* *E. fasciata* was already established common pest in Bermuda in 1923 (Ogilvie, 1924). It was suggested that this species was introduced by men (Ogilvie, 1924).

Hawaii. *E. fasciata* is regarded as an immigrant in Hawaii (Nishida, 2002; Riley *et al.*, 2003). It was established there before 1942 (Holdaway, 1943).

Remarks. *Crioceris parvula* Fabricius and *Galeruca parvula* Paykull are the secondary homonyms. They both were included in the genus *Haltica*, however, presently they are placed in the different genera. Clark *et al.* (2013) used the name *fasciata* as a valid one “because of some uncertainty regarding the synonymy and the true identity of *Crioceris parvula*”.

flaveola Harold, 1875: 44

Colombia, terra typica (Harold, 1875); Brazil (Heikertinger & Csiki, 1940)

flavotestacea Horn, 1894: 407

USA: Arizona (Furth & Savini, 1996; Riley *et al.*, 2003); California, terra typica (Horn, 1894, Heikertinger & Csiki, 1940); Mexico (Lower California) (Horn, 1894)

forsteri Bechyné, 1959b: 322

Bolivia (Bechyné, 1959b)

fulvicornis Jacoby, 1889: 272

Venezuela (Jacoby, 1889; Heikertinger & Csiki, 1940)

fuscata (Jacquelin-Duval, 1857: 312) (*Crepidodera*)

Cuba, terra typica (Jacquelin-Duval, 1857); Guatemala (Heikertinger & Csiki, 1940); Puerto Rico, Lesser Antilles (Jacoby, 1897b; Furth & Savini, 1996)

fuscula Crotch, 1873: 72

USA: North Carolina and South Carolina, terra typica (Crotch, 1873), Alabama, Arkansas, Connecticut, District of Columbia, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Mississippi, Missouri, Nebraska, New Jersey, New York, Ohio, Oklahoma, Pennsylvania, Tennessee, Texas, Virginia, West Virginia, Wisconsin (Riley *et al.*, 2003); Brazil; Venezuela (GBIF, 2015); Mexico (Heikertinger & Csiki, 1940; Furth & Savini, 1996).

halophila Bechyné & Springlová de Bechyné, 1978: 66

Venezuela (Bechyné & Springlová de Bechyné, 1978)

harilana harilana Bechyné, 1997: 142

Venezuela (Bechyné, 1997)

harilana rubia Bechyné, 1997: 143

Peru, terra typica (Bechyné & Springlová de Bechyné, 1978; as “*Epitrix ranquela insuavis* Bechyné & Bechyné, *i. lit.*”); Colombia (Bechyné, 1997)

haroldi Jacoby, 1885: 354

Guatemala (Jacoby, 1885; Heikertinger & Csiki, 1940; Furth & Savini, 1996).

hepperi Bryant, 1951: 940

Argentina (Bryant, 1951)

hirtipennis (Melsheimer, 1847: 165) (*Crepidodera*)

Distribution in America. USA: Pennsylvania, terra typica (Melsheimer, 1847); Canada: Ontario, Quebec; USA: Alabama, Arkansas, Arizona, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Idaho, Iowa, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Mississippi, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Washington, West Virginia, Wyoming; Mexico (Riley *et al.*, 2003); Brasilia; Cuba; Granada; Guadeloupe; Guatemala; Panama; Puerto Rico; St. Vinsent; Venezuela (Furth & Savini, 1996); Bahama (Chamberlin & Tenhet, 1923); Columbia (Sannino *et al.*, 1985).

History of invasions. *Hawaii.* *E. hirtipennis* was introduced to Hawaii in the end of 19th century (Sharp, 1900). It was not found by Blackburn who collected beetles in Hawaii in the late 1870s and early 1880s (Sharp, 1900). But in 1890s it was recorded in Oahu, Lanai and Molokai (Sharp 1900; Samuelson, 1973). Then *E. hirtipennis* has become common in all major islands: Nihoa, Kauai, Oahu, Molokai, Lanai, Maui (Samuelson, 1973; Nishida, 2002).

Bermuda. In 1923 *E. hirtipennis* was reported in Bermuda as a pest injurious to leaves of *Ipomoea batatas*, *Solanum tuberosum* and other plants (Ogilvie, 1924). In 1969 it was common on *Solanum tuberosum* leaves (Hilburn & Gordon, 1989).

Tahiti. *E. hirtipennis* occurs in Tahiti at least since 1965 (Gourves & Samuelson, 1979).

Fiji. *E. hirtipennis* is common in Fiji (Waterhouse, 1997).

Azores. *E. hirtipennis* was firstly recorded in Azores in 1984 (Israelson, 1985).

Europe. *E. hirtipennis* was the first American species of this genus introduced to Europe. In 1983 this species, native to North and Central America, was found in Europe for the first time in Northern Italy (Sannino *et al.*, 1985). It then quickly spread to South and Central Italy (Sannino & Balbiani, 1990) and Greece in 1988 (Lykouressis, 1991), Turkey in 1993 (Döberl, 1994), Spain in 1993 (Deseö *et al.*, 1993; the infestations in Mallorca in 1998 and in Menorca in 2000 were immediately controlled, so it was removed from potato crops and it hasn't been found again (E. Petitpierre, personal communication)), Macedonia in 1996 (Krsteska *et al.*, 2009), Bulgaria in 2000 (Trenchev & Tomov, 2000), Syria in 2002 (Gruev & Döberl, 2005) and Russia: Krasnodar Territory in 2013 (Orlova-Bienkowskaja, 2014).

Japan. *E. hirtipennis* was firstly recorded in 2011. It was found in 13 locations on Honshu (Harada & Takizawa, 2012).

Philippines and Ceylon. In some reviews the records from Ceylon (Chamberlin & Tenhet, 1923) and Philippines (Martin & Herzog, 1987; Deseö *et al.*, 1993) are mentioned. But these records are doubtful, since

no references to the source of information are given. *E. hirtipennis* is not mentioned in special works on the fauna of Alticinae of Philippines (Medvedev, 1993a, 1993b) and Indian subcontinent (Scherer, 1969).

hirtula Harold, 1875: 37

Colombia, Panama (Harold, 1875; Heikertinger & Csiki, 1940); Salvador, Costa Rica (Bechyné & Springlová de Bechyné, 1960); Venezuela (Furth & Savini, 1996)

humeralis Dury, 1906: 253

Canada: Ontario (Riley *et al.*, 2003); USA: Alabama, Florida, Indiana, Iowa, Kansas, Maryland, Michigan, Missouri, New York, North Carolina, Ohio, Oklahoma, South Dakota, Virginia, West Virginia, Wisconsin, terra typica (Dury, 1906; Riley *et al.*, 2003), Arizona (Downie & Arnett, 1996), Delaware, Illinois, Tennessee (Deczynski, 2014); Mexico (Downie & Arnett, 1996). There is an information about specimen of *E. humeralis* collected in Brazil (Mato Grosso, Chapada dos Guimaraes) (GBIF, 2015). But obviously it is a mistake, because according to this database the specimen identified by J. Bechyné and B. Bechyné is marked as a holotype. Obviously it is a holotype of the different *Epitrix* species described by J. Bechyné from Chapada dos Guimaraes (Nascimento & Overal, 1979).

impressa Laboissière, 1942: 64

Congo (Laboissière, 1942)

impressicollis Scherer, 1959: 247

Cameroon (Scherer, 1959)

inflatipes Bechyné, 1955a: 168

Brazil (Bechyné, 1955a; Scherer, 1960)

integralis Bechyné & Springlová de Bechyné, 1960: 66

Salvador (Bechyné & Springlová de Bechyné, 1960)

integricollis Jacoby, 1897a: 552

(*Euplectnema nigrita* Jacoby, 1906: 22)

Zimbabwe, terra typica (Jacoby, 1897a; Heikertinger & Csiki, 1940), Congo, Rwanda, Usambara Mts. Kenya, Tanzania, South Africa, Ethiopia (Scherer, 1963)

Remarks. *Euplectnema nigrita* Jacoby was synonymized with *E. integricollis* by Scherer (1963).

intermedia Foudras, 1860b: 55

France, terra typica (Foudras, 1860b); Albania; Azerbaijan; Bulgaria; Greece; Hungary; Italy; Macedonia; Romania; Slovakia; Slovenia; Spain; Ukraine; Turkey (Döberl, 2010); Serbia (Gruev & Döberl, 1997); Luxemburg (GBIF, 2015); South of European Russia: Karachay-Cherkessia (Yaroshenko, 1986), Saratov region (Bieńkowski, 2011).

jacobyi Weise, 1929: 21

(*intermedia* Jacoby, 1885: 351, nec Foudras, 1860b: 55)

Mexico, Guatemala (Jacoby, 1885; Heikertinger & Csiki, 1940; Furth & Savini, 1996).

jariensis Bechyné & Springlová de Bechyné, 1965: 24

Brazil (Bechyné & Springlová de Bechyné, 1965)

jokoensis Bechyné, 1955b: 535

Cameroon (Bechyné, 1955b)

krali Döberl, 2000: 7, 8 (in key), 9 (description)

Tadjikistan, terra typica (Döberl, 2000); Iran; Jordan; (Döberl, 2010).

lacustris Bechyné & Springlová de Bechyné, 1960: 65

Salvador (Bechyné & Springlová de Bechyné, 1960)

laevifrons Weise, 1895: 341

Ghana, terra typica (Weise, 1895; Heikertinger & Csiki, 1940), Guinea (Bechyné, 1955)

laticollis Scherer, 1960: 231

Brazil (Scherer, 1960)

limonensis Bechyné, 1997: 147

Venezuela (Bechyné, 1997)

linda Bechyné & Springlová de Bechyné, 1961a: 41

Brazil (Bechyné & Springlová de Bechyné, 1961a, 1965, 1978)

lobata Crotch, 1873: 72

- USA: South Carolina, terra typica (Crotch, 1873); Florida, Georgia, Ohio, North Carolina, West Virginia (Riley *et al.*, 2003); Texas (Deczynski, 2014); North Carolina (Heikertinger & Csiki, 1940)
- lomasa* Maulik, 1926: 134
(*hirtipennis* Jacoby, 1887: 90 (*Crepidodera*), nec Melsheimer, 1847: 165)
Sri Lanka (Maulik, 1926; Heikertinger & Csiki, 1940)
- lucidula* Harold, 1875: 39
Colombia (Heikertinger & Csiki, 1940)
- manoria* Bechyné & Springlová de Bechyné, 1961a: 40
Brazil (Bechyné & Springlová de Bechyné, 1961a)
- mercuria* Bechyné, 1955a: 162
Peru, terra typica (Bechyné, 1955a); Brazil (Scherer, 1960)
- metallica* Jacoby, 1891: 287
Mexico, Panama (Jacoby, 1891; Heikertinger & Csiki, 1940; Furth & Savini, 1996)
- minuta* Jacoby, 1885: 350
Guatemala, Mexico (Jacoby, 1885; Heikertinger & Csiki, 1940; Furth & Savini, 1996)
- miraflora* Bechyné, 1955a: 168
Brazil (Bechyné, 1955a; Scherer, 1960; Bechyné & Springlová de Bechyné, 1978)
- mirifica* Scherer, 1960: 235
Brazil (Scherer, 1960)
- monochroma* Bechyné, 1955a: 163
Bolivia (Bechyné, 1955a; Bechyné, 1959b)
- montana* Jacoby, 1885: 349
Guatemala, Mexico (Jacoby, 1885; Heikertinger & Csiki, 1940; Furth & Savini, 1996)
- muehlei* Döberl, 2000: 7, 8 (in key), 10 (description)
Yemen; Saudi Arabia (Döberl, 2000).
- murina* Harold, 1875: 41
Colombia (Harold, 1875; Heikertinger & Csiki, 1940)
- nicolina* Bechyné & Springlová de Bechyné, 1960: 68
Salvador (Bechyné & Springlová de Bechyné, 1960)
- nicotiana* Bryant, 1936a: 114
Brazil (Bryant, 1936a; Heikertinger & Csiki, 1940; Bechyné, 1955a; Scherer, 1960; Bechyné & Springlová de Bechyné, 1978)
- nigroaenea* Harold, 1875: 36
Colombia, Panama, Mexico (Harold, 1875; Heikertinger & Csiki, 1940); Venezuela (Furth & Savini, 1996)
- nigropicta* Bryant, 1951: 938
Argentina (Bryant, 1951)
- nitens* Weise, 1929: 20
Trinidad Isl. (Weise, 1929; Heikertinger & Csiki, 1940)
- ninfa* Bechyné & Springlová de Bechyné, 1960: 64
Salvador (Bechyné & Springlová de Bechyné, 1960)
- nonsulcata* Laboissière, 1942: 65
Congo (Laboissière, 1942)
- nucea* Baly, 1876: 589
Brazil (Heikertinger & Csiki, 1940)
- nycteroptera* Bechyné & Springlová de Bechyné, 1960: 69
Salvador (Bechyné & Springlová de Bechyné, 1960)
- obliterata* Jacoby, 1891: 288
Mexico (Jacoby, 1891; Heikertinger & Csiki, 1940; Furth & Savini, 1996)
- ocobamba* Bechyné, 1955a: 163
Peru (Bechyné, 1955a)
- ogloblini* (Iablokov-Khnzorian, 1960: 151) (*Epithrix*)
Armenia: Djermouk (Iablokov-Khnzorian, 1960).

Remarks. This species was described by one specimen (Iablokov-Khnzorian, 1960). No other specimens of this species are known up to now. The holotype is not found in the collection of Dr. S.M. Iablokov-Khnzorian (personal communication by Dr. M.Yu. Kalashyan). Warchałowski (2003) regards *E. ogloblini* as a synonym of *E. pubescens*.

opacicollis Harold, 1875: 40

Colombia, terra typica (Harold, 1875); Nicaragua (Heikertinger & Csiki, 1940); Venezuela (Furth & Savini, 1996)

paludicola Champion, 1920: 222

Costa Rica (Champion, 1920; Heikertinger & Csiki, 1940; Furth & Savini, 1996)

papa Orlova-Bienkowskaja, 2015: 825

Portugal, terra typica; Spain (Orlova-Bienkowskaja, 2015).

Remarks. The damage of potato tubers caused by this species was firstly detected in 2004 in northern part of Portugal (Oliveira *et al.*, 2008). Then it was found out that the species is widely distributed in Portugal (Boavida & Germain, 2009). In 2008 a single adult was found in Spain (Xinzo), near the Portuguese border (Boavida & Germain, 2009). In 2014 the pest was detected in La Coruña, Ourense and Pontevedra provinces of Spain (EPPO, 2014).

parioides Bechyné, 1955a: 163

Bolivia (Bechyné, 1955a; Bechyné, 1959b)

pectoralis Weise, 1929: 20

Trinidad Isl. (Weise, 1929, Heikertinger & Csiki, 1940)

pellucida Weise, 1921: 163

Brazil (Weise, 1921; Heikertinger & Csiki, 1940)

penta Bechyné & Springlová de Bechyné, 1965: 24

Brazil (Bechyné & Springlová de Bechyné, 1965)

perquinensis Bechyné & Springlova de Bechyné, 1960: 69

Salvador (Bechyné & Springlova de Bechyné, 1960)

pertinax Scherer, 1960: 233

Brazil (Scherer, 1960)

piceomarginata Jacoby, 1891: 289

Mexico (Jacoby, 1891; Heikertinger & Csiki, 1940; Furth & Savini, 1996)

plaumanni Bechyné, 1955a: 166

Brazil (Bechyné, 1955a)

polyphaga Bechyné, 1997: 133

Venezuela (Bechyné, 1997)

priesneri (Heikertinger, 1950: 120) (*Epithrix*)

Egypt, terra typica (Heikertinger, 1950); Arab Emirates; Iran; Oman; Saudi Arabia; Yemen (Döberl, 2010).

puberula (Boheman, 1859: 196) (*Crepidodera*)

USA (California), terra typica (Boheman, 1859), USA (Hawaii), Uruguay, Ecuador (Puna Isl.), French Polynesia (Tahiti) (Heikertinger & Csiki, 1940)

pubescens (Koch, 1803: 37) (*Haltica*)

(*pubescens* var. *ferruginea* Weise, 1886: 710)

(*suturalis* Bedel, 1899: 179)

(*lenkorana* Pic, 1903: 131)

Distribution in Palaearctic. Germany, terra typica (Koch, 1803); Albania; Austria; Azerbaijan; Belarus; Belgium; Bosnia and Herzegovina; Bulgaria; Croatia; Czech Republic; Cyprus; Denmark; Estonia; Finland; France; UK; Georgia; Greece; Hungary; Iran; Israel; Italy; Latvia; Kazakhstan; Kirgizstan; Liechtenstein; Lithuania; Luxemburg; Macedonia; Moldova; Netherlands; Poland; Portugal; Romania; Slovakia; Slovenia; Spain; Sweden; Switzerland; Turkey; Ukraine (Döberl, 2010); Montenegro; Serbia (Gruev & Döberl, 1997); Norway (GBIF, 2015); Russian Caucasus (Ogloblin, 1925; Shapiro, 1969; Okhrimenko, 1992); Crimea (Shapiro, 1961); European Russia (Gimmelman, 1927; Gus'kova, 2010; Zaitsev, Muravitskij, 1989; Shernin 1974; Silfverberg, 1979; original data); Abkhazia (Okhrimenko, 1992); East Siberia: Krasnoyarsk region (original data). The record from West Siberia (Heikertinger, 1950) cited in several reviews is questionable,

since there are no other records, and *E. pubescens* is absent in the collection of Siberian Zoological Museum (Chrysomelidae collection of Siberian Zoological Museum, 2015).

History of invasions. *Azores.* *E. pubescens* was the first species of the genus found in Azores. It was recorded before 1970 in Sao Jorge (Israelson, 1985).

North America. *E. pubescens* has been recently detected in several localities in northeastern USA: Massachusetts, New Hampshire (Deczynski, 2014).

pubipennis Bryant, 1930: 362

Uganda (Bryant, 1930; Heikertinger & Csiki, 1940; Pelley, 1959)

pulchella Jacoby, 1885: 353

Mexico, Panama (Jacoby, 1885; Heikertinger & Csiki, 1940; Furth & Savini, 1996)

pulla Harold, 1875: 43

Colombia (Harold, 1875; Heikertinger & Csiki, 1940)

puncticollis Jacoby, 1885: 346

Guatemala (Jacoby, 1885; Heikertinger & Csiki, 1940; Furth & Savini, 1996)

pygmaea Harold, 1875: 42

Colombia (Harold, 1875; Heikertinger & Csiki, 1940)

quadriplagiata Bryant, 1951: 939

Argentina (Bryant, 1951)

ranquela ranquela Bechyné, 1955a: 162

Peru, terra typica (Bechyné, 1955a); Bolivia (Bechyné, 1959b)

ranquela gynandra Bechyné, 1959b: 321

Peru (Bechyné, 1959b)

ranquela insuavis Bechyné, 1997: 139

Ecuador, terra typica (Bechyné & Springlová de Bechyné, 1978; mentioned as “*Epitrix ranquela insuavis* Bechyné & Bechyné, *i. lit.*“); Colombia (Bechyné, 1997)

ranquela aliena Bechyné & Springlová de Bechyné, 1961b: 71

Ecuador (Bechyné & Springlová de Bechyné, 1961b)

riobrancoensis Scherer, 1960: 234

Brazil (Scherer, 1960)

robusta Jacoby, 1891: 288

Mexico (Heikertinger & Csiki, 1940; Furth & Savini, 1996); USA: Texas (Deczynski, 2014)

ruderalis Bechyné & Springlová de Bechyné, 1978: 64

Brazil (Bechyné & Springlová de Bechyné, 1978)

rufula Weise, 1929: 21

(*ferruginea* Jacoby, 1891: 289, nec Weise, 1886: 710)

Mexico (Jacoby, 1891; Heikertinger & Csiki, 1940; Furth & Savini, 1996; Furth, 2009)

rugipleura Bechyné & Springlová de Bechyné, 1978: 65

Brazil (Bechyné & Springlová de Bechyné, 1978)

salomona Bechyné, 1955b: 536

Guinea, terra typica (Bechyné, 1955b); Nigeria, Congo, Ethiopia (Scherer, 1963)

scenica Bechyné, 1955a: 162

Argentina (Bechyné, 1955a)

sejuncta Baly, 1876: 591

Brazil, terra typica (Baly, 1876); Peru (Heikertinger & Csiki, 1940)

sensitiva Bechyné & Springlová de Bechyné, 1978: 68

Brazil (Bechyné & Springlová de Bechyné, 1978)

serratula Baly, 1876: 591

Brazil (Baly, 1876; Heikertinger & Csiki, 1940)

setosella (Fairmaire, 1888: 45) (*Crepidodera*)

(*wuorentausi* Kontkanen in: Heikertinger, 1950: 121)

China (Fujian), terra typica (Fairmaire, 1888); Russian Far East: Amur Region, Primorsky Krai; China: Guangxi, Hebei, Jiangxi (Heikertinger & Csiki, 1940; Döberl, 2010)

Remarks. The author of the name *wuorentausi* is Kontkanen but not Heikertinger according to ICZN (1999, 50.1.1). Heikertinger (1950) clearly writes: “Jedenfalls rühren Name und Charakteristik von Kontkanen her, und er hat—im Sinne der Nomenklaturregeln—als Autor zu gelten” The authorship by Kontkanen was cited in “Zoological Record”, volume 87 (for the year 1950).

similaris Gentner, 1944: 142

USA: California (Gentner, 1944; Riley *et al.*, 2003).

Remarks. Our interpretation of *E. similaris* is based on the original description (Gentner, 1944) and paratypes (males) examined. Before, it was believed that the invasive pest of potato introduced from North America to Portugal and Spain and damaging potato tubers is *E. similaris* (Doguet, 2009; Boavida & Germain, 2009; EPPO, 2011). But we think that the identification of this species is incorrect. We described (Orlova-Bienkowskaja, 2015) this invasive species as a new one, *Epitrix papa*.

simplex Weise, 1921: 162

Brazil (Weise, 1921; Heikertinger & Csiki, 1940)

solani (Blatchley, 1925: 167) (*Crepidodera*)

USA: Florida (Blatchley, 1925; Riley *et al.*, 2003).

Remarks. There is one more species with name "*Epitrix solani*". It was described in by Weise (1923) from Australia. Formally the name *Epitrix solani* Blatchley, 1925 is a junior secondary homonym, and replacement of the name is necessary. But *Epitrix solani* Weise is not an *Epitrix* in fact, but belongs to the new genus, which will be described soon (Dr. Ch. Reid, personal communication). So the names *Epitrix solani* Blatchley and *Epitrix solani* Weise will no longer be homonyms soon, and the replacement of the name is unnecessary (ICZN 1999, 59.2).

spyria Bechyné, 1955a: 166

Brazil (Bechyné, 1955a; Scherer, 1960)

suavis Bechyné, 1955a: 163

Bolivia (Bechyné, 1955a, 1959b)

subcostata Jacoby, 1885: 353

Panama (Jacoby, 1885; Heikertinger & Csiki, 1940; Furth & Savini, 1996)

subcrinita (LeConte, 1860: 68) (*Haltica*)

(*subcarinata* Crotch, 1873: 72)

USA: California, terra typica (LeConte, 1860), Arizona, Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington (Riley *et al.*, 2003), New Mexico, Wyoming (EPPO, 2015); Canada: Alberta, British Columbia; Mexico (Riley *et al.*, 2003); Guatemala (Heikertinger & Csiki, 1940; Furth & Savini, 1996); Peru (Alcazar, 1997). Record from Canada (Saskatchewan) (Deczynski, 2014) with reference to Riley *et al.* (2003) is a mistake.

subfusca Jacoby, 1897b: 265

Grenada Isl. (Jacoby, 1897b); Heikertinger & Csiki, 1940)

subglabrata Jacoby, 1885: 355

Panama (Jacoby, 1885; Furth & Savini, 1996)

subtilis Harold, 1875: 40

Colombia, Dominican Republic (La Vega) (Harold, 1875; Heikertinger & Csiki, 1940)

subvestita Baly, 1876: 588

Brazil (Baly, 1876; Heikertinger & Csiki, 1940)

subviolacea Bechyné & Springlová de Bechyné, 1978: 72

Brazil (Bechyné & Springlová de Bechyné, 1978)

sylvicola Bryant, 1953b: 156

Uganda (Bryant, 1953b)

tantula Harold, 1875: 42

Colombia, terra typica (Harold, 1875; Heikertinger & Csiki, 1940); Trinidad Isl. (Weise, 1929)

thoracica Jacoby, 1885: 347

Guatemala (Jacoby, 1885; Heikertinger & Csiki, 1940; Furth & Savini, 1996)

thoracolysa Bechyné & Springlová de Bechyné, 1960: 68

Salvador (Bechyné & Springlová de Bechyné, 1960)

- tincticollis* Weise, 1929: 21
 (*aeneicollis* Jacoby, 1904: 519, nec Jacoby, 1891: 289)
 Argentina (Jacoby, 1904; Heikertinger & Csiki, 1940)
- torrida* Baly, 1876: 592
 Brazil (Baly, 1876; Heikertinger & Csiki, 1940)
- torvi* Bryant, 1936b: 219
 Uganda (Bryant, 1936b; Heikertinger & Csiki, 1940; Pelley, 1959)
- tovarensis towarensis* Bechyné, 1997: 135
 Venezuela (Bechyné, 1997)
- tovarensis meridensis* Bechyné, 1997: 136
 Venezuela (Bechyné, 1997)
- trapezophora* Bechyné & Springlová de Bechyné, 1978: 70
 Brazil (Bechyné & Springlová de Bechyné, 1978)
- triangularis* Bechyné & Springlová de Bechyné, 1960: 65
 Salvador (Bechyné & Springlová de Bechyné, 1960)
- trichogramma* Bechyné, 1997: 143
 Venezuela (Bechyné, 1997)
- tuberis* Gentner, 1944: 137
 Canada: Alberta, British Columbia, Saskatchewan (Riley *et al.*, 2003), Manitoba (CABI, 2015); USA: Oregon, terra typica (Gentner, 1944), Arizona, California, Colorado, Idaho, Montana, Nebraska, New Mexico, South Dakota, Washington, Wyoming (Riley *et al.*, 2003), North Dakota (Fauske, 2003); Dominican Republic; Jamaica; Puerto Rico (EPPO, 1990); Ecuador (EPPO, 2015); Costa Rica (Germain *et al.*, 2013). *E. tuberis* is believed to be native to northern Colorado where it fed on wild hosts and then spread to other states of USA and to Canada due to mechanical transport by men during the course of the 20th century (Gentner, 1944; Morrison *et al.*, 1967; Seeno & Andrews, 1972). The species is still spreading, in particular it was introduced to Ecuador (CABI, 2015).
- tucumanensis* Bechyné, 1955a: 162
 Argentina, terra typica (Bechyné, 1955a); Bolivia (Bechyné, 1959b)
- ubaquensis ubaquensis* Harold, 1875: 41
 Colombia, terra typica (Harold, 1875); Guatemala (Heikertinger & Csiki, 1940); Panama, Venezuela (Furth & Savini, 1996)
- ubaquensis venezuelensis* Jacoby, 1889: 273
 Venezuela, terra typica (Jacoby, 1889; Heikertinger & Csiki, 1940); Brazil (Scherer, 1960)
Remarks. Bechyné (1997) considered *E. venezuelensis* to be a subspecies of *E. ubaquensis*.
- uruguayica* Bryant, 1942: 102
 Uruguay, terra typica (Bryant, 1942); Brazil (Scherer, 1960)
- vestita* (Boheman, 1859: 196) (*Crepidodera*)
 Uruguay, Argentina (Boheman, 1859; Heikertinger & Csiki, 1940)
- victoria* Bechyné, 1955b: 536
 Cameroon (Bechyné, 1955b)
- villosa* Harold, 1876: 17
 Colombia (Harold, 1876; Heikertinger & Csiki, 1940; Bechyné & Springlová de Bechyné, 1978)
- vincentina* Bechyné & Springlová de Bechyné, 1960: 65
 Salvador (Bechyné & Springlová de Bechyné, 1960)
- violacea* Jacoby, 1885: 346
 Colombia (Heikertinger & Csiki, 1940); Guatemala, terra typica (Jacoby, 1885; Furth & Savini, 1996)
- virgulata* Harold, 1875: 43
 Colombia (Harold, 1875; Heikertinger & Csiki, 1940; Bechyné & Springlová de Bechyné, 1978)
- warchalowskii* (Mohr, 1968: 60) (*Epithrix*)
 Iran (Mohr, 1968; Döberl, 2000, 2010).
- weisei* Jacoby, 1897a: 551
 Madagascar (Jacoby, 1897a; Heikertinger & Csiki, 1940; Bechyné, 1964)

- weyrauchi* Bechyné, 1959b: 321
Peru (Bechyné, 1959b)
- wittmeri* Bechyné, 1955a: 164
Brazil (Bechyné, 1955a)
- yanazara* Bechyné, 1959b: 321
Peru (Bechyné, 1959b; Bechyné & Springlová de Bechyné, 1978)
- zungarum* Bechyné, 1955a: 163
Bolivia (Bechyné, 1955a; Bechyné, 1959b)

Taxa, transferred from *Epitrix* to the other genera

- Epithrix canariensis* Franz, 1996: 133—regarded as a junior synonym of *Neodryophilus cryptophagoides* (Wollaston, 1864) (Anobiidae) (Döberl, 2007)
Canary Isls. (Franz, 1996)
- Epitrix carinata* Baly, 1879: 238—transferred to genus *Acallepitrix* by Bechyné (1955a).
Peru (Baly, 1879; Heikertinger & Csiki, 1940)
- Epithrix carolina* Chûjô, 1943: 304—transferred to genus *Micrepitrix* by Gressitt (1955), and then to genus *Livolia* by Scherer (1971).
Caroline Isl. (Chûjô, 1943; Gressitt, 1955)
- Epitrix castanea* Jacoby, 1885: 354—transferred to genus *Acallepitrix* by Furth & Savini (1996).
Guatemala, Mexico (Jacoby, 1885; Heikertinger & Csiki, 1940)
- Epitrix clypeata* Jacoby, 1885: 348—transferred to genus *Acallepitrix* by Bechyné & Springlová de Bechyné (1963) and Furth & Savini (1996).
Guatemala, Belize (Jacoby, 1885; Heikertinger & Csiki, 1940)
- Epitrix coeruleata* Baly, 1876: 592—transferred to genus *Acallepitrix* by Bechyné (1958).
Brazil (Baly, 1876; Heikertinger & Csiki, 1940; Bechyné, 1958)
- Epitrix collaris* Weise, 1929: 21—transferred to genus *Acallepitrix* by Bechyné & Springlová de Bechyné (1961a).
Trinidad Isl. (Weise, 1929; Heikertinger & Csiki, 1940)
- Epitrix cyanella* Baly, 1876: 593—transferred to *Acallepitrix* by Bechyné & Springlová de Bechyné (1961a)
Brazil (Baly, 1876; Heikertinger & Csiki, 1940)
- Epitrix fulvifrons* Jacoby, 1885: 352—transferred to genus *Acallepitrix* by Furth & Savini (1996)
Guatemala, Mexico (Heikertinger & Csiki, 1940)
- Epitrix inaequalis* Harold, 1877: 130—transferred to genus *Acallepitrix* by Bechyné (1955a)
Peru (Harold, 1877; Heikertinger & Csiki, 1940)
- Crepidodera nitens* Horn, 1889: 243—transferred to *Epitrix* by Wilcox (1953) and then transferred to *Acallepitrix* by Riley *et al.* (2001)
Central, South, Eastern States of USA (Horn, 1889; Riley *et al.*, 2003)
- Epitrix segregata* Baly, 1876: 590—transferred to *Acallepitrix* by Bechyné & Springlová de Bechyné (1961a)
Brazil (Baly, 1876; Heikertinger & Csiki, 1940)
- Epithrix shirozui* Chûjô, 1957: 5—transferred to genus *Micrepitrix* by Kimoto, Gressitt (1966) and then to genus *Orthaltica* by Kimoto (1979)
Ryukyu Isls. (Chûjô, 1957; Kimoto & Gressitt, 1966; Kimoto, 1979)

Taxa, to be transferred from *Epitrix*

- Epitrix australis* Bryant, 1953a—should be transferred to the genus *Arsipoda* (Dr. Ch. Reid, personal communication)
W. Australia (Bryant, 1953a)
- Haltica labialis* Waterhouse, 1838: 133—considered as a member of the genus *Epitrix* by Heikertinger & Csiki (1940), but really represents a member of an undescribed genus (Dr. Ch. Reid, personal communication)

- Australia: New South Wales (Waterhouse, 1838; Heikertinger & Csiki, 1940)
- Epitrix montivaga* Weise, 1923: 125—really represents a member of an undescribed genus (Dr. Ch. Reid, personal communication)
- Haltica picea* Waterhouse, 1838: 133—considered as a member of the genus *Epitrix* by Weise (1923) and Heikertinger & Csiki (1940), but should be transferred to the genus *Arsipoda* (Dr. Ch. Reid, personal communication)
- W. Australia (Waterhouse, 1838; Heikertinger & Csiki, 1940)
- Australia: Queensland (Weise, 1923; Heikertinger & Csiki, 1940)
- Epitrix solani* Weise, 1923: 124, nec Blatchley, 1925—really represents a member of an undescribed genus (Dr. Ch. Reid, personal communication).
- Australia: Queensland (Weise, 1923, Heikertinger & Csiki, 1940)

Names that are not included in the checklist

- Epitrix pleurifera*, *Epitrix sinifera*—unavailable names, present only in Chrysomelidae @ MIZA (2016) without the author names and any references.
- Epitrix vicina*—unavailable name, present only in Global Names Index (2016) without the author name and any references.

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References

- Alcazar, J. (1997) *Principales plagas de la papa: Gorgojo de los Andes, Epitrix y gusanos de tierra. Producción de Tubérculos-semillas de Papa Manual de Capacitación Fascículo 3.6*. Centro Internacional de la Papa, Lima, 7 pp.
- Allard, E. (1876) Descriptions d'espèces nouvelles. *Abeille: Journal d'Entomologie*, 14, 21–25.
- Baly, J.S. (1876) Descriptions of a new genus and of new species of Halticinae. *The Transactions of the Entomological Society of London for the year 1876*, 1876, 581–602.
<https://doi.org/10.1111/j.1365-2311.1876.tb01931.x>
- Baly, J.S. (1879) Descriptions of phytophagous Coleoptera belonging to the families Chrysomelidae and Galerucidae, from Peru. *The Transactions of the Entomological Society of London for the year 1879*, 235–259.
- Bauduer, P. (1874) Les descriptions de quatre nouvelles espèces de Coléoptères. *Annales de la Société entomologique de France*, 5 (4), 161–165.
- Bechyné, J. (1955a) Reise des Herrn G. Frey in Südamerika: Alticidae (Col. Phytophaga). *Entomologische Arbeiten aus dem Museum G. Frey*, 6, 74–266.
- Bechyné, J. (1955b) Über die westafrikanischen Alticiden (Col. Phytophaga). *Entomologische Arbeiten aus dem Museum G. Frey*, 6, 486–568.
- Bechyné, J. (1956) Beiträge zur Kenntnis der neotropischen Alticiden und Galeruciden *Entomologische Arbeiten aus dem Museum G. Frey*, 7 (3), 965–1071.
- Bechyné, J. (1958) Notizen zu den neotropischen Chrysomeloidea (Col. Phytophaga). *Entomologische Arbeiten aus dem Museum G. Frey*, 9 (2), 478–706.
- Bechyné, J. (1959a) Observations sur les Alticides recueillis au Congo Belge par M.A. Collart (Coleoptera, Phytophaga). *Bulletin de l'Institut royal des Sciences naturelles de Belgique*, 35 (41), 1–36.
- Bechyné, J. (1959b) Beiträge zur Kenntnis der Alticidenfauna Boliviens Coleopt. Phytoph. *Beiträge zur neotropischen Fauna*, 1 (4), 269–381.
<https://doi.org/10.1080/01650525909380619>
- Bechyné, J. (1960) Alticidae (Coleoptera Phytophagoidea). *Parc National de l'Upemba. I. Mission G.F. de Witte en collaboration avec W. Adam, A. Janssens, L. van Meel et R. Verheyen (1946–1949)*, 59 (3), 39–114.
- Bechyné, J. (1964) Notizen zu den madagassischen Chrysomeloidea (Col. Phytophaga). *Mitteilungen der Münchner Entomologischen Gesellschaft*, 54, 68–161.
- Bechyné, J. (1966) Descriptions de quelques Alticides neotropicaux (Col. Phytophaga). *Bulletin Mensuel de la Société Linnéenne de Lyon*, 35 (9), 415–419.

<https://doi.org/10.3406/linly.1966.5868>

- Bechyné, J. (1997) Evaluación de los datos sobre los Phytophaga daninos en Venezuela (Coleoptera). Parte 1. *Boletim de Entomologia Venezuelana Serie Monografias*, 1 (1), 1–278.
- Bechyné, J. & Springlová de Bechyné, B. (1960) Beiträge zur Kenntnis der Salvadorenischen Chrysomeloidea (Col. Phytoph.). *Pesquisas: Zoologia*, 6, 5–73.
- Bechyné, J. & Springlová de Bechyné, B. (1961a) Notas sobre Chrysomeloidea neotropicais. *Boletim do Museu Paraense Emilio Goeldi*, New Series, Zoologia, 33, 1–50.
- Bechyné, J. & Springlová de Bechyné, B. (1961b) Notas sobre Chrysomeloidea neotropicais II. *Boletim do Museu Paraense Emilio Goeldi*, New Series, Zoologia, 37, 1–93.
- Bechyné, J. & Springlova de Bechyné, B. (1963) Beiträge zur Kenntnis der Salvadorenischen Chrysomeloidea (Col. Phytophaga). 1. *Iheringia, Série Zoologia*, 31, 1–79.
- Bechyné, J. & Springlová de Bechyné, B. (1965) Notes sur les Chrysomeloidea capturés par le Dr. W.A. Egler au Rio Jari (Brésil: Pará/Amapá) en 1961 (Col. Phytophaga). *Boletim do Museu Paraense Emilio Goeldi*, Série Zoologia, 53, 1–44.
- Bechyné, J. & Springlova de Bechyné, B. (1978) Notes sur quelques Crepidoderini nouveaux ou peu connus. (Chrysomeloidea - Alticinae). Coleoptera – Phytophaga. *Iheringia. Série Zoologia*, 51, 63–78.
- Bedel, L. (1899) *Faune des coléoptères du bassin de la Seine*. 5. *Phytophaga (fasc. 4)*. Société Entomologique de France, Paris, 423 pp.
<https://doi.org/10.5962/bhl.title.8757>
- Bieńkowski, A.O. (2011) *Leaf beetles of European Russia*. Lambert Academic Publishing, Saarbrücken, 534 pp. [in Russian]
- Bieńkowski, A.O. & Orlova-Bienkowskaja, M.J. (2016) *Epitrix* potato flea beetles (Coleoptera: Chrysomelidae: Alticinae) of the Holarctic. *Zootaxa*, 4175, 401–435.
<http://dx.doi.org/10.11646/zootaxa.4175.5>
- Blatchley, W.S. (1918) On some new or noteworthy Coleoptera from the west coast of Florida. IV. *The Canadian Entomologist*, 50, 52–59.
<https://doi.org/10.4039/ent5052-2>
- Blatchley, W.S. (1925) Notes on the distribution and habits of some Florida Coleoptera with descriptions of new species. *The Canadian Entomologist*, 57 (7), 160–168. <https://doi.org/10.4039/ent57160-7>
- Boavida, C. & Germain, J.F. (2009) Identification and pest status of two exotic flea beetle species newly introduced in Portugal: *Epitrix similaris* Gentner and *Epitrix cucumeris* (Harris). *EPPO Bulletin*, 39 (3), 501–508.
<https://doi.org/10.1111/j.1365-2338.2009.02339.x>
- Boavida, C., Giltrap, N., Cuthbertson, A.G.S. & Northing, P. (2013) *Epitrix similaris* and *Epitrix cucumeris* in Portugal: damage patterns in potato and suitability of potential plants for reproduction. *EPPO Bulletin*, 43 (2), 323–333.
<https://doi.org/10.1111/epp.12046>
- Boheman, C.H. (1859) Coleoptera. In: *Kongliga Svenska fregatten Eugenies resa omkring Jorden under befäl af C.A. Virgin, Åren 1851–1853. Zoologi I. Insecta*. P.A. Norstedt & Söner, Stockholm, pp. 113–218.
<https://doi.org/10.5962/bhl.title.2467>
- Bryant, G.E. (1930) Some new injurious Phytophaga from Somaliland and Uganda. *Bulletin of Entomological Research*, 21 (3), 361–363.
<https://doi.org/10.1017/s0007485300021891>
- Bryant, G.E. (1936a) A new species of *Epitrix* (Halticinae) injurious to tobacco in Brazil. *Arbeiten über physiologische und angewandte Entomologie aus Berlin-Dahlem*, 3 (2), 114.
- Bryant, G.E. (1936b) Some new injurious Phytophaga from British East Africa (Coleopt.). *Proceedings of the Royal Entomological Society of London*, Series B, Taxonomy, 5 (12), 217–219.
<https://doi.org/10.1111/j.1365-3113.1936.tb01311.x>
- Bryant, G.E. (1940) A new species of injurious Phytophaga (Coleopt.) from the Argentine Republic. *Proceedings of the Royal Entomological Society of London (B)*, 9 (3), 54.
<https://doi.org/10.1111/j.1365-3113.1940.tb00342.x>
- Bryant, G.E. (1942) New species of Chrysomelidae, Halticinae (Coleopt.), collected by Charles Darwin during the voyage of the 'Beagle', 1832–1836. *Annals and Magazine of Natural History*, 11 (9), 99–107.
<https://doi.org/10.1080/03745481.1942.9755469>
- Bryant, G.E. (1951) New species of Halticinae (Coleoptera, Chrysomelidae) from the Argentine Republic. *Annals and Magazine of Natural History, London*, Series 12, 4 (45), 938–942.
- Bryant, G.E. (1953a) A new species of *Epitrix* (Coleoptera Halticinae) from Western Australia. *West Australian Naturalist*, 4, 8–9.
- Bryant, G.E. (1953b) Chrysomelidae. In: *Ruwenzori Expedition 1934–5. Vol. 3 (11–13)*. British Museum (Natural History), London, pp. 151–164.
- CABI (2013) *Epitrix cucumeris*. [Distribution map]. Distribution Maps of Plant Pests. Map 770. Available from: <http://www.cabi.org/isc/abstract/20133225818> (accessed 11 August 2015)
- CABI (2015) Invasive Species Compendium. Available from: <http://www.cabi.org/isc/> (accessed 9 August 2015)
- Chamberlin, F.S. & Tenhet, J.N. (1923) The tobacco flea-beetle in the southern cigar-wrapper district. *U.S. Department of Agriculture Farmers' Bulletin*, 1352, 1–10.
- Champion, G.C. (1920) Some new Coleoptera from Costa Rica. *The Entomologist's Monthly Magazine*, 56, 220–224.
- Chrysomelidae @ MIZA (2016) Chrysomelidae @ MIZA. Available from: <http://chrysomelidae.miza-ucv.org.ve> (accessed 16 April 2016)

- Chrysomelidae collection of Siberian Zoological Museum (2015) Chrysomelidae collection of Siberian Zoological Museum. Available from: <http://szmn.eco.nsc.ru/Coleop/Chrysom.htm> (accessed 16 April 2016)
- Chûjô, M. (1943) Chrysomelid beetles of Micronesia. *Memoirs of the Faculty of Science and Agriculture, Taihoku Imperial University, Taiwan*, 24 (Ent. no. 12), 281–334.
- Chûjô, M. (1957) Chrysomelid-beetles of Loo-Choo Archipelago (IV). *Memoirs of the Faculty of Liberal Arts & Education, Kagawa University*, Part 2 (52), 1–8.
- Clark, Sh. M., Lillrose, T. & Belo Neto L.A. (2013) Leaf Beetles of the Cayman Islands (Coleoptera: Chrysomelidae). *Insecta Mundi*, 0279, 1–41.
- Crotch, G.R. (1873) Materials for the study of the Phytophaga of the United States. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 25, 19–83.
- Deczynski, A. (2014) A preliminary revision of the genus *Epitrix* Foudras (Coleoptera: Chrysomelidae: Galerucinae: Alticini) in America North of Mexico. Available from: <http://dspace.udel.edu/bitstream/handle/19716/13155/Deczynski%20Anthony.pdf?sequence=1> (accessed 16 April 2016)
- Deseö, K.V., Balbiani, A., Sannino, L., & Zampelli, G. (1993) Zur Biologie und biologischen Bekämpfung des Tabakkäfers, *Epitrix hirtipennis* Melsh. (Col., Chrysomelidae) in Italien. *Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz*, 66 (2), 26–29. <https://doi.org/10.1007/bf01909137>
- Dewaard, J.R., Dewaard, S.L., Brown, H., Dobbie, I., Ivanova, N., Naik, S., Labbe, R., Levesque-beaudin, V., Pawlowski, A., Ratnasingham, S.R., Sobel, C., Sones, J., Young, M.R., Zakharov, E.V. & Hebert, P.D.N. (2015) *Epitrix fasciata* voucher BIOUG02988-H04 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial. Available from: <http://www.ncbi.nlm.nih.gov/nucleotide/KJ091362> (accessed 16 April 2016)
- Döberl, M. (1994) Bemerkenswerte Alticinenfunde aus Westeuropa. *Entomologische Nachrichten und Berichte*, 38, 179–182.
- Döberl, M. (2000) Beitrag zur Kenntnis der Gattung *Epitrix* Foudras, 1860 in der Paläarktis. *Mitteilungen des Internationalen Entomologischen Vereins*, 25 (1/2), 1–23.
- Döberl, M. (2007) New acts and comments. Ptinidae/Chrysomelidae. New synonymy. In: Löbl, I. & Smetana, A. (Eds.), *Catalogue of Palaearctic Coleoptera: Elateroidea - Derodontoidea - Bostrichoidea - Lymexyloidea - Cleroidea - Cucujoidea*. Vol. 4, Apollo Books, Stenstrup, pp. 57.
- Döberl, M. (2010) Subfamily Alticinae. In Löbl I. & Smetana A. (Eds.), *Catalogue of Palaearctic Coleoptera: Chrysomeloidea*. Vol. 6, Apollo Books, Stenstrup, 491–563.
- Doguet, S. (2009) Présence en Europe de deux espèces nord-américaines d'*Epitrix* (Coleoptera Chrysomelidae Alticinae). *L'Entomologiste*, 65, 89–90.
- Downie, N. & Arnett, Jr.R.H. (1996) Chrysomelidae. In: Downie, N. & Arnett, Jr. R.H. (Eds.), *The beetles of northeastern North America*. Vol. 2. The Sandhill Crane Press, Gainesville, pp. 1280–1410.
- Dury, Ch. (1906) Ecological notes on some Coleoptera of the Cincinnati region, including seven new species. *Journal of the Cincinnati Society of Natural History*, 20, 251–256.
- EPPO (1990) Data-sheets on quarantine pests. *Epitrix tuberosa*. *EPPO Bulletin*, 19, 671–675.
- EPPO (2005) Data sheets on quarantine pests. *Epitrix cucumeris*. *EPPO Bulletin*, 35, 363–364.
- EPPO (2011) *Epitrix cucumeris*, *E. similis* and *E. tuberosa*. *EPPO Bulletin*, 41, 369–373. <https://doi.org/10.1111/j.1365-2338.2011.02504.x>
- EPPO (2014) Updated situation of *Epitrix similis* in Spain. EPPO Global Database. Available from: <https://gd.eppo.int/reporting/article-2788> (accessed 16 April 2016)
- EPPO (2015) EPPO Plant Quarantine Data Retrieval System. Version 5.3.1, 2014-09-08. Available from: <http://www.eppo.int/DATABASES/pqr/pqr.htm> (accessed 16 April 2016)
- Fabricius, I.C. (1801) *Systema Eleutheratorum secundum ordines, genera, species, synonymis, locis, observationibus, descriptionibus*. Vol. 1. Impensis Bibliopolii Academici Novi, Kiliae, 506 pp.
- Fairmaire, L. (1888) Coléoptères de l'intérieur de la Chine. *Annales de la Société entomologique de Belgique*, 32, 7–46.
- Fauske, G.M. (2003) Common flea beetles of North Dakota. Available from: <http://www.ndsu.edu/pubweb/~gefauske/FleaBeetles/List%20of%20flea%20beetles.htm> (accessed 16 April 2016)
- Foudras, A.C.M.E. (1860a) Altisides. *Annales de la Société Linneenne de Lyon*, New Series, 6, 137–384.
- Foudras, A.C.M.E. (1860b) Altisides. *Annales de la Société Linneenne de Lyon*, New Series, 7, 17–128.
- Franz, H. (1996) Die Ergebnisse meiner langjährigen Aufsammlungen der Coleopterenfauna auf der Insel Hierro (Kanarische Inseln). *Sitzungsberichte der Österreichischen Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Klasse, Abteilung 1*, 202, 71–138.
- Furth, D.G. (2009) Flea beetle diversity of the Sierra Tarahumara, Copper Canyon, Mexico (Chrysomelidae: Alticinae). In: Jolivet, P., Santiago-Blay, J. & Schmitt, M. (Eds.), *Research on Chrysomelidae*. 2. Koninklijke Brill, Leiden, pp. 131–151. <https://doi.org/10.1163/ej.9789004152045.1-299.46>
- Furth, D.G. & Savini, V. (1996) Checklist of the Alticinae of Central America, including Mexico (Coleoptera:Chrysomelidae). *Insecta Mundi*, 10 (1–4), 45–68.
- GBIF (2015) Global Biodiversity Information Facility. Available from: <http://www.gbif.org/> (accessed 16 April 2016)
- Gentner, L.G. (1944) The black flea beetles of the genus *Epitrix* commonly identified as *cucumeris* (Harris) (Coleoptera: Chrysomelidae). *Proceedings of the Entomological Society of Washington*, 46, 137–149.
- Germain, J.-F., Chatot, C., Meusnier, I., Artige, E., Rasplus, J.-Y. & Cruaud, A. (2013) Molecular identification of *Epitrix* potato flea beetles (Coleoptera: Chrysomelidae) in Europe and North America. *Bulletin of entomological research*, 103 (3), 354–362. <https://doi.org/10.1017/s000748531200079x>

- Gimmelman, S.S. (1927) List of beetles (Coleoptera) of Pereslavl district of Vladimir province. *Trudy Pereslavl-Zalesskogo istorico-khudozhestvennogo i kraevedcheskogo mizeya. Beetles of Pereslavl krai*, 4, 43–87.
- Global Names Index (2016) Global Names Index. Available from: http://gni.globalnames.org/data_sources/ (accessed 16 April 2016)
- Gourves, J. & Samuelson, G.A. (1979) Les Chrysomélidae de Tahiti (Coléoptères). *Pacific insects*, 20 (4), 410–415.
- Gressitt, J.L. (1955) Coleoptera: Chrysomelidae. *Insects of Micronesia*, 17 (1), 1–60.
- Gruev, B. (1975) Eine neue *Epitrix*-Art aus Asien und neue Angaben über *Epitrix ermischii* Mohr, 1968. *Travaux scientifiques, Plovdiv, Biologie*, 13 (4), 171–175.
- Gruev, B. (1981) A new species of *Epitrix* Foudras from the Azores (Insecta, Coleoptera, Chrysomelidae). *Boletim da Sociedade Portuguesa de Entomologia*, 10, 1–2.
- Gruev, B. & Döberl, M. (1997) General distribution of the flea beetles in the Palaearctic Subregion (Coleoptera, Chrysomelidae: Alticinae). *Scopolia: Journal of Slovenian Museum of Natural History*, 37, 1–496.
- Gruev, B. & Döberl, M. (2005) General distribution of the flea beetles in the Palaearctic Subregion (Coleoptera, Chrysomelidae: Alticinae). *Supplement*. Pensoft, Sofia, 239 pp.
- Gus'kova, E.V. (2010) The leaf-beetles (Coleoptera, Chrysomelidae) of the South Urals. *Entomofauna Zeitschrift für Entomologie*, 31 (14), 169–228.
- Harada, H., & Takizawa, H. (2012) Occurrence of *Epitrix hirtipennis* (Melsheimer) (Coleoptera: Chrysomelidae), an alien insect pest, in Japan. *Japanese Journal of Applied Entomology and Zoology*, 56 (3), 117–120.
<https://doi.org/10.1303/jjaez.2012.117>
- Harold, E. (1875) Beiträge zur Kenntniss der Fauna von Neu-Granada (Halticinae). *Coleopterologische Hefte*, 14, 1–44.
- Harold, E. (1876) Beiträge zur Kenntniss der Fauna von Neu-Granada (Halticinae, II. Stück). *Coleopterologische Hefte*, 15, 1–36.
- Harold, E. (1877) Beiträge zur Kenntniss der Peruanischen Käferfauna (Halticinae) auf Dr. Abendroth's Sammlungen basirt. *Deutsche Entomologische Zeitschrift*, 21 (1), 129–152.
- Harris, T.M. (1851) Insects on the potato-vine. *The Journal of Agriculture*, 1, 99–103.
- Heikertinger, F. (1950) Bestimmungstabelle der paläarktischen Arten der *Crepidodera*-Verwandtschaft weitesten Sinnes. *Koleopterologische Rundschau*, 31, 117–121.
- Heikertinger, F. & Csiki, E. (1940) Chrysomelidae: Halticinae II. In: Junk W. & Schenkling S. (Eds.), *Coleopterorum Catalogus. Pars. 169. Vol. 25*. Junk, Schenkling, Gravenhage, pp. 337–635.
- Hilburn, D. J., & Gordon, R.D. (1989) Coleoptera of Bermuda. *Florida Entomologist*, 72 (4), 673–692.
<https://doi.org/10.2307/3495046>
- Holdaway, F.G. (1943) Entomological problems. *Report of the Hawaii agricultural experiment station 1941–42*, pp. 111–127. Abstract. Available from: <http://www.cabdirect.org/abstracts/19440500279.html> (accessed 16 April 2016)
- Horn, G.H. (1889) A synopsis of the Halticini of Boreal America. *Transactions of the American Entomological Society*, 16, 163–320.
<https://doi.org/10.2307/25076525>
- Horn, G.H. (1894) The Coleoptera of Baja California. *Proceedings of the California Academy of Sciences*, Series 2, 4, 302–449.
- Iablokov-Khnzorian, S.M. (1960) Coléoptères nouveaux de l'Arménie Soviétique. *Notulae Entomologicae*, 40, 140–153.
- ICZN (1999) *International code of zoological nomenclature. 4th Edition*. The International Trust for Zoological Nomenclature, London, 306 pp.
- Index to organisms names (2016) Index to organisms names. Available from: <http://www.organismnames.com/> (accessed 16 April 2016)
- Israelson, G. (1985) Notes on the coleopterous fauna of the Azores, with description of new species of Athete Thomson. *Boletim do Museu Municipal do Funchal*, 37, 5–19.
- Jacquelin-Duval, P.N.C. (1857) Coléoptères. In: *de la Sagra, R. Histoire physique, politique et naturelle de l'île de Cuba*, 7 (Animaux Articulés), pp. 137–328.
- Jacoby, M. (1885) Phytophaga (part) (1880–1892). In: Godman F.D. (Ed.), *Biologia Centrali-Americana. Insecta. Coleoptera*, 6 (1), 625 pp.
- Jacoby, M. (1887) Descriptions of the phytophagous Coleoptera of Ceylon, obtained by Mr. George Lewis during the years 1881–82. *Proceedings of the Zoological Society of London*, 55 (1), 65–118.
<https://doi.org/10.1111/j.1096-3642.1887.tb02944.x>
- Jacoby, M. (1889) List of the Crioceridae, Cryptocephalidae, Chrysomelidae, and Galerucidae collected in Venezuela by M. Simon, with descriptions of the new species. In: *Proceedings of the Zoological Society of London*, 1889, pp. 263–292.
- Jacoby, M. (1891) Supplement. Phytophaga (part) (1888–1892). In: Godman, F.D. (Ed.), *Biologia Centrali-Americana, Insecta, Coleoptera*, 6 (1), pp. 1–374.
- Jacoby, M. (1897a) Further contributions to the knowledge of the phytophagous Coleoptera of Africa, including Madagascar. Part II. *Proceedings of the Zoological Society of London*, 65 (3), 527–576.
<https://doi.org/10.1111/j.1096-3642.1897.tb03108.x>
- Jacoby, M. (1897b) A list of the phytophagous Coleoptera obtained by Mr. H.H. Smith at St. Vincent, Grenada, and the Grenadines, with descriptions of new species: Crioceridae-Galerucidae. *Transactions of the Entomological Society of London*, 45 (3), 249–277.
<https://doi.org/10.1111/j.1365-2311.1897.tb01681.x>
- Jacoby, M. (1904) Descriptions of some new species of phytophagous Coleoptera obtained by Baron E. Nordenskiöld in Bolivia and Argentine Republic. *Arkiv för Zoologi*, 1, 513–524.

- Jacoby, M. (1906) Descriptions of new genera and species of African Halticinae and Galerucinae. *The Transactions of the Entomological Society of London*, 1906, 1–52.
- Kimoto, S. (1979) New or little known Chrysomelidae (Coleoptera) from Japan and its adjacent regions. 2. *Entomological Review of Japan*, 33 (1–2), 41–45.
- Kimoto, S. & Gressitt, J.L. (1966) The Chrysomelidae of the Ryukyu Archipelago. *Pacific Insects*, 8, 467–577.
- Koch, J.D.W. (1803) Monographie der von den Verfassern in dem Departemente vom Donnersberge, und den angrenzenden Gegenden der Departemente von der Saar, und von Rhein und Mosel einheimisch beobachteten Flohkäfer. (*Haltica*). *Entomologische Hefte*, 2, 3–90.
- Krsteska, V., Dimeska, V. & Stojanoski, P. (2009) *Epithrix hirtipennis* Melsh on tobacco. In: *Abstracts of presentations made at the 2009 Coresta Joint Meeting of the Agronomy and Phytopatology Study Groups*. Agro/Phyto, Rovinj, pp. 15.
- Laboussière, V. (1942) *Halticinae (Coleoptera: Phytophaga). Fam. Chrysomelidae. Exploration du Parc National Albert Mission G.F. De Witte (1933–1935). Fasc. No. 39*. Institut des Parcs Nationaux du Congo Belge, Bruxelles, 128 pp. [pp. 3–130]
- LeConte, J.T. (1860) Report upon insects collected on the survey. In: *Reports of explorations and surveys, to ascertain the most practicable and economical route for a railroad from the Mississippi river to the Pacific Ocean, made under the direction of the secretary of war, in 1853–5. 12 (2). Part 3. Zoological Report*. A.O.P. Nicholson, Printer, Washington, pp. 1–72.
- LeConte, J.T. (1861) New species of Coleoptera inhabiting the Pacific district of the United States. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 13, 338–359.
- Le Pelley, R.H. (1959) *Agricultural Insects of East Africa*. East Africa High Commission Publ., Nairobi, 315 pp.
- Lykouressis, D.P. (1991) *Epitrix hirtipennis*, a new pest of tobacco in Greece, with notes of its morphology, bioecology and control. *Entomologica Hellenica*, 9, 81–85.
- Martin, W.D. & Herzog, G.A. (1987) Life history studies of the tobacco flea beetle, *Epitrix hirtipennis* (Melsheimer) (Coleoptera: Chrysomelidae). *Journal of Entomological Science (USA)*, 223, 237–244.
- Maulik, S. (1926) *The Fauna of British India, including Ceylon and Burma. Coleoptera. Chrysomelidae (Chrysomelinae and Halticinae)*. Taylor and Francis Publ., London, 442 pp.
- Medvedev, L.N. (1993a) Alticinae of the Philippine Islands (Coleoptera Chrysomelidae). Part 1. *Russian Entomological Journal*, 2 (3–4), 41–58.
- Medvedev, L.N. (1993b) Alticinae of the Philippine Islands (Coleoptera Chrysomelidae). Part 2. *Russian Entomological Journal*, 2 (5–6), 11–32.
- Melsheimer, F.E. (1847) Descriptions of new species of Coleoptera of the United States. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 3, 158–181.
- Mohr, K.-H. (1968) Beitrag zur Kenntnis der Gattung *Epithrix*. *Entomologische Blätter für Biologie und Systematik der Käfer*, 64, 58–60.
- Morrison, H.E., Gentner, L.G., Koontz, R.F. & Every, R.W. (1967) The changing role of soil pests attacking potato tubers. *American Journal of Potato Research*, 44 (4), 137–144. <https://doi.org/10.1007/bf02862912>
- Nascimento, P.T. & Overal, W.L. (1979) Catálogo de tipos entomológicos da Coleção do Museu Goeldi. Coleoptera: Chrysomelidae (Insecta). *Boletim Do Museu Paraense Emílio Goeldi Nova Serie, Zoologia*, 97, 1–29.
- Nishida, G.M. (Ed.) (2002) *Hawaiian Terrestrial Arthropod Checklist, 4th ed., Bishop Museum Technical Report No. 22*. Hawaiian Biological Survey, Bishop Museum, Honolulu, 313 pp.
- Ogilvie, L. (1924) Preliminary report of the plant pathologist for the period September 27th to December 31st, 1923. *Bermuda Department of Agriculture annual report, 1923*, 28–34.
- Ogloblin, D.A. (1925) Leaf-beetles of Stavropol region. *Izvestiya Stavropolskogo entomologicheskogo obshchestva*, 1, 42–47. [in Russian]
- Okhrimenko, N.V. (1992) *Leaf-beetles (Coleoptera, Chrysomelidae) of North-western Caucasus. PhD thesis*. A.N. Severtsov Institute of Ecology and Evolution, Russian Academy of Sciences, Moscow, 181 pp. [in Russian]
- Oliveira, R., Chatot, C. & Dedryver, C.-A. (2008) Détectée en Europe une nouvelle altise. *Potato Planet*, 11, 30–34.
- Orlova-Bienkowskaja, M.J. (2014) First record of the tobacco flea beetle *Epitrix hirtipennis* Melsheimer [Coleoptera: Chrysomelidae: Alticinae] in Russia. *EPPPO Bulletin*, 44 (1), 44–46. <https://doi.org/10.1111/epp.12092>
- Orlova-Bienkowskaja, M.J. (2015) *Epitrix papa* sp. n. (Coleoptera: Chrysomelidae: Galerucinae: Alticini), previously misidentified as *Epitrix similis*, is a threat to potato production in Europe. *European Journal of Entomology*, 112 (4), 824–830. <https://doi.org/10.14411/eje.2015.096>
- Paykull, G. (1799) *Fauna Suecica. Insecta. Vol. 2*. Edman, Upsaliae, 234 pp.
- Peck, S.B. (2005) A checklist of the beetles of Cuba with data on distributions and bionomics (Insecta Coleoptera). In: *Arthropods of Florida and Neighboring Land Areas. Vol. 18*. Florida Department of Agriculture and Consumer Services, Gainesville, pp. 1–241.
- Pic, M. (1903) Captures, notes diversés et diagnoses. *L'Echange. Revue Linnéenne*, 19 (222), 129–131.
- Pic, M. (1909) Sur divers Altisides de la Turquie d'Asie principalement et de l'Europe méridionale [Col. Phytophaga]. *Bulletin de la Société entomologique de France*, 13, 226–228.
- Riley, E.G., Clark, S.M. & Gilbert A.J. (2001) New records, nomenclatural changes, and taxonomic notes for select North American leaf beetles (Coleoptera: Chrysomelidae). *Insecta Mundi*, 15 (1), 1–17.
- Riley, E.G., Clark, S.M. & Seeno, T.N. (2003) *Catalog of the leaf beetles of America north of Mexico (Coleoptera: Megalopodidae, Orsodacnidae and Chrysomelidae, excluding Bruchinae)*. Coleopterists Society, Sacramento, 290 pp.
- Samuelson, G.A. (1973) *Alticinae of Oceania (Coleoptera, Chrysomelidae). Pacific Insects Monograph. Vol. 30*. Entomology

- Department, Bernice P. Bishop Museum Honolulu, Hawaii, 165 pp.
- Sannino, L. & Balbiani, A. (1990) Possibilità di controllo biologico di *Epitrix hirtipennis* in Italia. *Supplemento a L'Informatore Agrario*, 13, 17–20.
- Sannino, L., Balbiani, A. & Biondi, M. (1985) *Epithrix hirtipennis* (Melsheimer, 1847): Considerazioni tassonomiche, ecologiche ed etologiche. In: *Atti XIV Congresso Nazionale Italiano di Entomologia, Palermo*. Erice, Bagheria, pp. 285–292.
- Scherer, G. (1959) Die Alticiden-Ausbeute der Expedition des Museums G. Frey nach Nigeria-Kamerun 1955/56 (Col. Phytoph.). *Entomologische Arbeiten aus dem Museum G. Frey*, 10 (1), 177–265.
- Scherer, G. (1960) Beitrag zur Kenntnis der Alticidenfauna Brasiliens (Col. Phytoph.). *Entomologische Arbeiten aus dem Museum G. Frey*, 11, 180–272.
- Scherer, G. (1963) Beitrag zur Kenntnis der Alticidenfauna Afrikas (Coleoptera, Chrysomelidae, Alticinae). *Entomologische Arbeiten aus dem Museum G. Frey*, 14, 648–684.
- Scherer, G. (1969) *Alticinae des indischen Subkontinentes (Coleoptera-Chrysomelidae)*. *Pacific Insects Monograph*. Vol. 22. Entomology Department, Bernice P. Bishop Museum Honolulu, Hawaii, 251 pp.
- Scherer, G. (1971) Das genus *Livolia* Jacoby und seine umstrittene Stellung im System. Eine taxonomische - zoogeographische - evolutionistische Studie (Coleoptera, Chrysomelidae - Alticinae). *Entomologische Arbeiten aus dem Museum G. Frey*, 22, 1–37.
- Schwarz, E.A. (1878) The Coleoptera of Florida. *Proceedings of the American Philosophical Society held at Philadelphia for promoting useful knowledge*, 17, 353–372.
- Seeno, T.N. & Andrews, F.G. (1972) Alticinae of California, Part I: *Epitrix* spp. (Coleoptera: Chrysomelidae). *The Coleopterists' Bulletin*, 26 (2), 53–61.
- Shapiro, D.S. (1961) A survey of the Halticinae-fauna in the Crimea (Coleoptera, Chrysomelidae). *Zoologicheskii zhurnal*, 40 (6), 833–839. [in Russian]
- Shapiro, D.S. (1969) A review of the fauna of flea beetles (Coleoptera, Chrysomelidae, Halticinae) from Daghestan and neighbouring regions. *Entomologicheskoe Obozrenie*, 48 (2), 277–284.
- Sharp, D. (1900) Coleoptera Phytophaga. In: *Fauna Hawaiiensis*. Vol. 2. The University press, Cambridge, pp. 91–116.
- Shernin, A.I. (1974) *Fauna of Kirov region*. Editorial house of Vyatka State University, Kirov, 523 pp. [in Russian]
- Silfverberg, H. (1979) *Enumeratio coleopterorum Fennoscandiae et Daniae*. Sahlbergia, Helsinki, 79 pp.
- Trenchev, G. & Tomov, R. (2000) Tobacco flea beetle *Epitrix hirtipennis* (Melsheimer) (Coleoptera, Chrysomelidae), a new serious pest on tobacco in Bulgaria. *Yearbook for Plant Protection, Skopje*, 11, 61–64.
- Vreugdenhil, D., Bradshaw, J., Gebhardt, C., Govers, F., Taylor, M.A., MacKerron, D.K. & Ross, H.A. (Eds.) (2011) *Potato Biology and Biotechnology: Advances and Perspectives*. Elsevier Science, Amsterdam, 856 pp.
- Warchałowski, A. (2003) *Chrysomelidae: The leaf-beetles of Europe and the Mediterranean area*. Natura Optima dux Foundation, Warszawa, 600 pp.
- Waterhouse, D.F. (1997) *The major invertebrate pests and weeds of agriculture and plantation forestry in the southern and western Pacific*. ACIAR Monograph No. 44. ACIAR, Canberra, 99 pp.
- Waterhouse, G.R. (1838) Descriptions of some of the insects brought to this country by C. Darwin, Esq. *Transactions of the Entomological Society of London*, 2 (2), 131–135.
<https://doi.org/10.1111/j.1365-2311.1836.tb00309.x>
- Weise, J. (1886) Galerucinae. Lieferung 4. In: Erichson, W.F., Schaum, H. & Reitter, E. (Eds.), *Naturgeschichte der Insekten Deutschlands. I Abt. Coleoptera. 6. Band*. Nicolaische Buchhandlung, Berlin, pp. 569–768.
- Weise, J. (1895) Neue Chrysomeliden nebst synonymischen Bemerkungen. *Deutsche Entomologische Zeitschrift*, 1895, 327–352.
- Weise, J. (1910) Chrysomelidae und Coccinellidae. In: Sjöstedt, Y. (Ed.), *Ergebnisse der schwedischen Expedition nach Kilimandjaro*, 7 (12), pp. 153–266.
- Weise, J. (1921) Wissenschaftliche Ergebnisse der schwedischen entomologischen Reise des Herrn Dr A. Roman in Amazonas 1914-1915. 6. Chrysomelidae. *Arkiv för Zoologi*, 14 (1), 1–205.
- Weise, J. (1923) Chrysomeliden und Coccinelliden aus Queensland. Results of Dr. E. Mjöberg's Swedish Scientific Expedition to Australia 1910–1913. 31. *Arkiv för Zoologi*, 15 (12), 1–150.
- Weise, J. (1929) Ergebnisse einer zoologischen Forschungsreise nach Westindien von Prof. W. Küenthal und Dr. R. Hartmeyer im Jahre 1907. Westindische Chrysomeliden und Coccinelliden. *Zoologische Jahrbücher*, 16 (Supplement), 11–34.
- Wilcox, J.A. (1953) New species of Galerucinae and Alticinae with notes on other species (Coleoptera: Chrysomelidae). *Ohio Journal of Science*, 53, 51–58.
- White, R.E. & Barber, H.S. (1974) Nomenclature and definition of the tobacco flea beetle, *Epitrix hirtipennis* (Melsh.), and of *E. fasciata* Blatchley, (Coleoptera: Chrysomelidae). *Proceedings of the Entomological Society of Washington*, 76, 397–400.
- Wollaston, T.V. (1860) On the Halticinae of the Canary Islands. *The journal of entomology: Descriptive and geographical*, 1, 1–12.
- Wollaston, T.V. (1864) *Catalogue of the coleopterous insects of the Canaries in the collection of the British Museum*. Trustees of the British Museum, London, 648 pp.
- Yaroshenko, V.A. (1986) Ecological-faunistic characteristic of the flea-beetles (Coleoptera, Chrysomelidae of the Northern Caucasus). *Entomologicheskoe Obozrenie*, 65 (1), 107–114. [in Russian]
- Zaitsev, Yu.M. & Muravitskij, O.S. (1989) Preimaginal stages and ecology of leaf-beetles of the genus *Epithrix* Fdr. and *Derocephis* Wse (Coleoptera, Chrysomelidae, Alticinae) of the USSR fauna. *Biologicheskije nauki*, 1, 55–62. [in Russian]