

ENTOMOLOGIA OGÓLNA – ENTOMOLOGIE GÉNÉRALE

The seed-beetles (*Coleoptera, Bruchidae*) from the Middle East

Strąkowce (*Coleoptera, Bruchidae*) z Bliskiego Wschodu

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ABSTRACT. Faunistic list of seed-beetles from the Middle East is presented: 29 species are recorded from Jordan, 18 from Israel, 15 from Iran, 10 from Lebanon, 9 from Iraq and Afghanistan, 7 from Turkey, and 1 from Syria and Armenian SSR. Check list of seed-beetles from various countries of Eastern Mediterranean Subregion is given. *Acanthoscelides gilvoides* LUK. et T.-M. is transferred to *Paleoacanthoscelides*.

This paper is the last faunistic contribution to the knowledge of seed-beetles of Eastern Mediterranean Subregion. Previous papers have included lists of *Bruchidae* of Bulgaria (BOROWIEC, 1983a), Turkey (BOROWIEC, 1984), Yugoslavia, Albania, and Greece (BOROWIEC, 1986). The distribution of seed-beetles in various countries of the subregion is summarized in the table at the end of the work.

The paper was based on the material preserved in the following institutions: Hungarian Natural History Museum, Budapest (HNHM), Institute of Zoology Polish Academy of Sciences, Warsaw (IZ PAS), Museo Civico di Storia Naturale, Genova (MCG), Museum d'Histoire Naturelle, Genève (MG), Zoological Museum of Helsinki University (HU), and Zoological Museum of Lund University (LU). The material comprises 432 specimens of 51 seed-beetles species.

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LIST OF SPECIES

1. *Bruchus dentipes* (Baudi, 1886)

- Iran, Golhak near Teheran, 1400 m, III-V 1961, 4 sps., leg. J. KLAPPERICH (HNHM).
 E Afghanistan, Panschir Vall., Mars, 2400 m, 10 VI 1953, 5 sps., leg. J. KLAPPERICH (HNHM).
 Distr.: The Middle East and Middle Asia.

2. *Bruchus emarginatus* Allard, 1868

- Israel, Mt. Carmel, 100 m, 17 IV 1982, 2 sps., leg. BESUCHET and LÖBL. (MG).
 Distr.: Mediterranean Subregion, Crimea and Transcaucasia.

3. *Bruchus ervi* Frölich, 1799

- Lebanon, Ainab near Beirut, 700 m, 13 V 1956, 1 spn., leg. J. KLAPPERICH (HNHM).
 Israel, Tel-Aviv, 23 I 1911, 1 spn. (IZPAS)
 E Jordan, Amman, 11-13 IV 1958, 2 sps., leg. J. KLAPPERICH (HNHM).
 Iraq, Baghdad, 30 III 1961, 1 spn., leg. T. RIEDEL (IZPAS).
 Distr.: Southern part of Middle Europe, South Europe and Mediterranean Subregion.

4. *Bruchus lentis* Frölich, 1799

- Jordan, Jordan Vall., Wadi Farra, 250 m b.s.l., 26 VI 1957, 2 sps., leg. J. KLAPPERICH (HNHM).
 Distr.: South Europe, Mediterranean Subregion, Central Asia and North India.

5. *Bruchus lugubris* Fahraeus, 1839

- NE Afghanistan, Badakschan, Minjan Mts., Sanglitsch-Pas, 3750 m, 3 VIII 1952, leg. J. KLAPPERICH (HNHM).
 Distr.: Armenia, Daghestan, Iran and Afghanistan.

6. *Bruchus pisorum* (Linnaeus, 1758)

- Cyprus, Limassol, IX 1920, 1 spn. (MCG).
 Iran, Haraz near Abu Ask, Elburs Mts., 4 VI 1960, 1 spn., leg.

J. KLAPPERICH (HNHM).

Afghanistan, Kabul, Tangi Saidan, 1750 m, 27 V 1952, 1 spn., leg.

J. KLAPPERICH (HNHM); Panschir Vall., Mars, 2400 m, 10 V 1953, 51 sps., leg. J. KLAPPERICH (HNHM).

Distr.: Comes from Asia Minor, now subcosmopolitan.

7. *Bruchus rufimanus* Boheman, 1833

E Jordan, Amman, 800 m, 13 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Iran, Golhak near Teheran, 1400 m, 14 V 1961, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: Europe, Mediterranean Subregion, Middle Asia and Canary Is. Introduced into North America, tropical Africa, Korea, and Japan.

8. *Bruchus rufipes* Herbst, 1783

Turkey, Istanbul, 25 V 1977, 3 sps., leg. L. ZOMBORI (HNHM).

Distr.: Central and South Europe, Mediterranean Subregion, Asia Minor, Caucasus, and Canary Is.

9. *Bruchus ulicis* Mulsant et Rey, 1858

E Jordan, Amman, 800 m, 13 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: South Europe, Asia Minor, the Middle East, and Middle Asia.

10. *Bruchus viciae* Olivier, 1795

E Afghanistan, Nuristan, Bashgul Vall., Achmede Dewane, 24 VII 1952, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: Central and South Europe, eastern part of Mediterranean Subregion, Caucasus, and Afghanistan.

11. *Acanthobruchidius spiniger* (Baudi, 1886)

Israel, Golan, Gilbon, 300 m, 15 IV 1982, leg. BESUCHET and LÖBL, 1 spn. (MG).

E Jordan, Zerka Vall. near Romana, 300 m, 3 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Iraq, Dahuk, Sarsang, 26-28 VIII 1980, 1 spn., leg. R. LINNAVUORI (HU).

Distr.: Sardinia, Lesbos Is., Turkey, Israel, Jordan and Iraq.

12. *Acanthoscelides pallidipennis* (Motschulsky, 1874)

USSR, Armenian SSR, Erevan, Botanical Garden, 3 VI 1980, 1 spn., leg. L. PAPP (HNHM).

Distr.: comes from South-West USA. Brought along to Europe with a host-plant, *Amorpha fruticosa*. Hitherto known from Hungary, Yugoslavia, and Bulgaria (DECELLE 1979, WENDT 1981, BOROWIEC 1983a). Recorded also from Korea (BOROWIEC, 1983b). New for USSR.

13. *Paleoacanthoscelides gilvus* (Gyllenhal, 1839)

Afghanistan, Paghman Mts., 5 km SW of Pghman, 2700–2950 m, 5 V 1974, leg. L. PAPP (HNHM).

Distr.: Mediterranean Subregion, Asia Minor and Middle Asia.

14. *Salviabruchus retusus* (Baudi, 1886)

Lebanon, Ainab near Beirut, 700 m, 13 V 1956, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: The Middle East.

15. *Bruchidius apicipennis* (Heyden, 1892)

Iran, Haraz near Abu Ask, Elburs Mts., 4 VI 1960, 5 sps., leg. J. KLAPPERICH (HNHM).

Distr.: Middle Asia.

16. *Bruchidius astragali* (Boheman, 1829)

Iran, Ilam, Tchaharmelleh, 33°57'N/46°17'E, 28 VI 1974. 1 spn., leg. A. SENGLET (MG); Enameh, Elburs Mts., 2500 m, 24–26 VI 1960, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: South-eastern Europe, Crimea, Caucasus and Middle Asia.

17. *Bruchidius bagdassarjani* Lukjanowitsh et Ter-Minassian, 1954

Turkey, Ali Hadsha, 16 VIII 1906, 1 spn., leg. LENDT (HNHM).

Distr.: Hitherto known from Armenia only.

18. *Bruchidius biguttatus* (Olivier, 1795)

Israel, Mt. Carmel, 100 m, 17 IV 1982, 2 sps., leg. BESUCHET and LÖBL (MG).

E Jordan, Jordan Vall., Arda Road, 500 m, 16 IX 1959, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: South Europe and Mediterranean Subregion.

19. *Bruchidius bimaculatus* (Olivier, 1795)

Cyprus, Limassol, VIII 1920, 2 sps. (MCG).

Israel, Mt. Carmel, 100 m, 17 IV 1982, 1 spn., leg. BESUCHET and LÖBL (MG); Galilea, Safad, 500 m, 26 IV 1982, 1 spn., leg. BESUCHET and LÖBL (MG).

E Jordan, Wadi Schaib, 200 m, 9 XI 1957, 1 spn., leg. J. KLAPPERICH (HNHM); Jordan Vall., Arda Road, 600 m, 8 III 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Zerka Vall., near Romana, 300 m, 3 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Amman, 800 m, 13 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Homer near Amman, 600 m, 26 IV 1959, 1 spn., leg. J. KLAPPERICH (HNHM).

Iraq, Baghdad, 30 III 1961, 1 spn., leg. T. RIEDEL (IZPAS); Shaglava, 18 IV 1961, 1 spn., leg. T. RIEDEL (IZPAS); Ninawa, Jebel Sinjar, 14 II 1979, 2 sps., leg. R. LINNAVUORI (HU); Ninawa, Al Qosh, 17 II 1979, 1 spn., leg. R. LINNAVUORI (HU); Danuk, Shaykh Addi, 15 II 1979, 2 sps., leg. R. LINNAVUORI (HU).

Distr.: South Europe and Mediterranean Subregion.

20. *Bruchidius bituberculatus* Schilsky, 1905

Turkey, near Izmir, Selcuk-Efes, 50 m, 10 VII 1980, 3 sps., leg. O. MERKL (HNHM).

Israel, Rehovot, 25 V 1965, 1 spn., leg. J. ERDÓS (HNHM).

Jordan, forest near Jerash, 600 m, 30 IV 1956, 2 sps., leg. J. KLAPPERICH (HNHM); Dead Sea, 350 m b.s.l., 24 I 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Zerka Vall., near Romana, 400 m, 26 IV 1958, 9 sps., leg. J. KLAPPERICH (HNHM); Kubebesh near Jerusalem, 600 m, 13 VI 1958, 2 sps., leg. J. KLAPPERICH (HNHM); Dibbin near Jerash, 600 m, 20 VI 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Jordan Vaal., Arda Road, 500 m, 16 IX 1959, 2 sps., leg. J. KLAPPERICH (HNHM); Jordan Vall., Wadi Farra, 200 m b.s.l., 23 IX 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Wadi Schaib, 200 m, 3 X 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: Greece, Cyprus, Turkey, Lebanon, Israel, and Jordan.

21. *Bruchidius bythinocerus* (Reitter, 1890)

Iran, Golhak near Teheran, 1400 m, III-V 1961, 1 spn., leg. J. KLAPPERICH (HNHM), VI-VIII 1961, 4 sps., leg. J. KLAPPERICH (HNHM), 1700 m, 9-23 VI 1961, 2 sps., leg. J. KLAPPERICH (HNHM).

Distr.: Armenia, Arax Vall., and Iran.

22. *Bruchidius canus* (Germar, 1824)

Turkey, Ulukişla, 9 VIII 1979, 1 spn., leg. R. LINNAVUORI (HU).
Iran, Golhak near Teheran, III-V 1961, 2 sps., leg. J. KLAPPERICH (HNHM).

Distr.: Southern Europe, Mediterranean Subregion, and Iran.

23. *Bruchidius cinerascens* (Gyllenhal, 1833)

Israel, Ahihud, 13 V 1965, 2 sps., leg. J. ERDŐS (HNHM); Mt. Carmel, 100 m, 17 IV 1982, 2 sps., leg. BESUCHET and LÖBL (MG).

E Jordan, Amman, 800 m, 13 IV 1958, 16 sps., 6 VI 1958, 3 sps., leg. J. KLAPPERICH (HNHM); Zerka Vall., near Romana, 400 m, 26 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM); W Jordan, Kubebish near Jerusalem, 600 m, 13 VI 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Iran, Golhak near Teheran, 1400 m, III-V 1961, 2 sps., 1700 m, 9-23 VI 1961, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: Southern part of Middle Europe, South Europe, Mediterranean Subregion, and Iran.

24. *Bruchidius dispar* (Gyllenhal, 1833)

Lebanon, Ainab, 650 m, 23 IX 1959, 1 spn., leg. J. KLAPPERICH (HNHM).

Iraq, Ninawa, Jebel Sinjar, 14 II 1979, 2 sps., leg. R. LINNAVUORI (HU); Al Qosh, 17 II 1979, 1 spn., leg. R. LINNAVUORI (HU).

Distr.: Middle and South Europe, Asia Minor, Transcaucasia, the Middle East, and Algeria.

25. *Bruchidius foveolatus* (Gyllenhal, 1833)

E Jordan, Wadi Schaib, 200 m, 15 II 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Jordan Vall., Arda Road, 600 m, 8 III 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: Southern Europe and Mediterranean Subregion.

26. *Bruchidius lineatus* (Allard, 1868)

Lebanon, Ainab near Beirut, 700 m, 15 V 1956, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: South Italy, Dalmatia, Bulgaria, Greece, Turkey, and Lebanon.

27. *Bruchidius lividimanus* (Gyllenhal, 1833)

Lebanon, Nakh el Kelb near Beirut, 11 V 1961, 7 sps., T. RIEDEL (IZPAS); Ainab, 700 m, 13 V 1966, 24 sps., leg. J. KLAPPERICH (HNHM).

Israel, Habonim, 16 IV 1982, 32 sps., leg. BESUCHET and LÖBL (MG); Mt. Carmel, 100 m, 17 V 1982, 1 spn., leg. BESUCHET and LÖBL (MG); Golan, Mt. Hermon, 1600 m, 23 IV 1982, 1 spn., leg. BESUCHET and LÖBL (MG).

E Jordan, Jordan Vall., Arda Road, 600 m, 8 III 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Deh Been near Jerash, 700 m, 3 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM); forest near Jerash, 600 m, 18 IV 1959, 5 sps., leg. J. KLAPPERICH (HNHM).

Distr.: South Europe and Mediterranean Subregion.

28. *Bruchidius longulus* Schilsky, 1905

E Jordan, forest near Jerash, 600 m, 15 III 1959, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: South Europe, Asia Minor, the Middle East, and Middle Asia.

29. *Bruchidius lutescens* (Blanchard, 1844)

Turkey, Sekuk plai, 17 VI 1968, leg. ARDÖ (LU); near Izmir, Selcuk-Efes, 50 m, 10 VII 1980, 1 spn., leg. O. MERKL (HNHM).

Israel, Habonim, 16 IV 1982, 4 sps., leg. BESUCHET and LÖBL (MG).

E Jordan, forest near Jerash, 600 m, 30 IV 1956, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: South Italy, Greece, Bulgaria, Asia Minor, and the Middle East.

30. *Bruchidius martinezi* (Allard, 1868)

E Jordan, Amman, 800 m, 13 IV 1958, 2 sps., leg. J. KLAPPERICH (HNHM).

Iran, Lorestan, Veisiân, 33°29'N/48°04'E, 8 IX 1975, 1 spn., leg. A. SENGLET (MG).

Afghanistan, Hari Rud, 15 km SE of Herat, 950 m, 21 V 1974, leg. L. PAPP (HNHM).

Distr.: South Europe, Asia Minor, the Middle East, and Middle Asia.

31. *Bruchidius mordelloides* (Baudi, 1886)

Israel, Mt. Carmel, 14 V 1965, 1 spn., leg. J. ERDÓS (HNHM).

E Jordan, forest near Jerash, 30 IV 1956, 600 m, 1 spn., leg.

J. KLAPPERICH (HNHM).

Distr.: Southern part of European USSR, the Middle East, and Greece.

32. *Bruchidius mulsanti* (Brisout, 1863)

E Jordan, Homer near Amman, 600 m, 26 IV 1959, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: Hungary, South Europe, Asia Minor, Caucasus, the Middle East, and Middle Asia.

33. *Bruchidius nudus* (Allard, 1868)

W Jordan, Golan, Banias, 24 IV 1982, 1 spn., leg. BESUCHET and LÖBL (MG).

Jordan, Kubebesh near Jerusalem, 600 m, 13 VI 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: South Europe, Algeria, Asia Minor and the Middle East.

34. *Bruchidius pauper* (Boheman, 1839)

W Jordan, Kubebesh near Jerusalem, 600 m, 7 IX 1959, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: South Europe and Mediterranean Subregion.

35. *Bruchidius picipes* (Germar, 1824)

Bruchus tarsalis GYLLENHAL, 1833

Iran, Kermanshah, Kangâvâr, 34°29'N/47°55'E, 1 VII 1974, 1 spn., leg. A. SENGLET (MG).

Afghanistan, Kabul, Aliabad, 20–21 IV 1974, 1 spn., leg. L. PAPP (HNHM).

Distr.: South Europe, Mediterranean Subregion, Caucasus, Iran, and Afghanistan. The specific status of this species was clarified recently (BOROWIEC, 1987).

36. *Bruchidius poecilus* (Germar, 1824)

S Jordan, Wadi Hasa, 13 VI 1957, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: South Europe and eastern part of Mediterranean Subregion.

37. *Bruchidius poupillieri* (Allard, 1868)

E Jordan, Zerka Vall., near Romana, 200 m, 17 IV 1959, leg. J. KLAPPERICH (HNHM).

Distr.: Mediterranean Subregion.

38. *Bruchidius pusillus* (Germar, 1824)

Turkey, Selcuk-Efez near Izmir, 50 m, 10 VII 1980, 1 spn., leg. O. MERKL (HNHM).

E Jordan, Zerka Vall., near Romana, 400 m, 26 IV 1958, 2 sps., leg. J. KLAPPERICH (HNHM); Dibbin near Jerash, 600 m, 20 VI 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Wadi Schaib, 200 m, 3 X 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Iraq, Dahuk, Sulaf, 27 VIII 1980, 1 spn., leg. R. LINNAVUORI (HU).

Iran, Abu Ask Elburs Mts., 2000 m, 12 VIII 1960, 1 spn., leg. J. KLAPPERICH (HNHM); Choramabad, VII-VIII 1961, 2 sps., leg. J. KLAPPERICH (HNHM).

Distr.: Middle and South Europe, Asia Minor, the Middle East, and Middle Asia.

39. *Bruchidius pygmaeus* (Boheman, 1833)

E Jordan, Amman, 800 m, 13 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM); forest near Jerash, 600 m, 30 IV 1956, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: Southern part of Central Europe, South Europe, Mediterranean Subregion, Asia Minor, the Middle East, and Transcaucasia.

40. *Bruchidius quinqueguttatus* (Olivier, 1795)

Cyprus, Limassol, VII 1923, 3 sps. (MCG).

Turkey, Antalya, Termessos, 900 m, 6 VII 1980, 1 spn., leg. O. MERKL (HNHM).

Lebanon, Nahr el Kelb, near Beirut, 11 V 1961, leg. T. RIEDEL (IZPAS).

Israel, Golan, Mahjar, 200 m, 27 IV 1982, 3 sps., leg. BESUCHET et LÖBL (MG).

E Jordan, Zerka Vall., near Romana, 400 m, 26 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Iraq, Sulaymaniyah near Dukan, 12 VI 1980, 1 spn., leg. R. LINNAVUORI (NU); Ninawa, Al Qosh, 10 V 1981, 1 spn., leg.

R. LINNAVUORI (HU).

Iran, Golhak, near Teheran, 1400 m, VI–VIII 1961, 2 spn., leg.

J. KLAPPERICH (HNHM).

Distr.: Eastern part of Mediterranean Subregion, Caucasus, and Iran.

41. *Bruchidius reitteri* Schilsky, 1906

Iran, Darband Vall., Elburs Mts., 2400 m, 26 V 1961, 1 spn., leg.

J. KLAPPERICH (author's coll.).

Distr.: Turkey, Armenian SSR, and Iran.

42. *Bruchidius richteri* Lukjanovitsh et Ter-Minassian, 1954

Iran, Darband Vall., Elburs Mts., 2400 m, 26 V 1961, 1 spn., leg.

J. KLAPPERICH (HNHM).

Distr.: Hitherto known from Armenian SSR only.

43. *Bruchidius rufisura* (Allard, 1883)

Israel, Magiddo, 15 V 1965, 1 spn., leg. J. ERDÓS (HNHM); Agus Bella, 21 V 1965, 1 spn., leg. J. ERDÓS (HNHM); Mt Carmel, 100 m, 17 IV 1982, 4 sps., leg. BESUCHET and LÖBL (MG); Golan, Mahjar, 200 m, 27 IV 1982, 1 spn., leg. BESUCHET and LÖBL (MG); Judea, Merasseret, 30 IV 1982, 1 spn., leg. BESUCHET and LÖBL (MG).

W Jordan, Badaan near Nablus, 8 IV 1958, 500 m, 2 sps., leg. J. KLAPPERICH (HNHM); E Jordan, Amman, 800 m, 23 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Fuhes near Amman, 1000 m, 27 IV 1958, 2 sps., leg. J. KLAPPERICH (HNHM); Homer near Amman, 600 m, 26 IV 1959, 3 sps., 700 m, 23 V 1959, 1 spn., leg. J. KLAPPERICH (HNHM); Wadi Sir near Amman, 600 m, 8 VI 1956, 17 sps., leg. J. KLAPPERICH (HNHM); Jordan Vall., Arda Road, 700 m, 19 V 1956, 2 sps., 9 V 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Zerka Vall., near Romana, 200 m, 17 IV 1959, 13 sps., leg. J. KLAPPERICH (HNHM); forest near Jerash, 600 m, 18 IV 1959, 2 sps., leg. J. KLAPPERICH (HNHM); near Maur, 27 VII 1981, 1 spn., leg. R. LINNAVUORI (HU).

Iraq, Ninawa, Al Qosh, 10 V 1981, 1 spn., leg. R. LINNAVUORI (HU).

Distr.: Eastern part of Mediterranean Subregion.

44. *Bruchidius scutulatus* (Baudi, 1890)

Iran, Golhak near Teheran, 1400 m, VI–VIII 1961, 1 spn., leg.

J. KLAPPERICH (HNHM).

Afghanistan, Bashgul Vall., Nuristan, 1200 m, 15 IV 1953, 2 sps., leg.

J. KLAPPERICH (HNHM).

Distr.: Middle Asia.

45. *Bruchidius seminarius* (Linnaeus, 1767)

Lebanon, Ainab, 650 m, 23 IX 1959, 1 spn., leg. J. KLAPPERICH (HNHM).

Israel, Mt. Carmel, 100 m, 17 IV 1982, 1 spn., leg. BESUCHET and LÖBL (HNHM).

W Jordan, Ascar near Nablush, 600 m, 3 VI 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Kubebesh near Jerusalem, 7 IX 1959, 1 spn., leg. J. KLAPPERICH (HNHM); E Jordan, Arda Road, 19 V 1956, 2 sps., leg. J. KLAPPERICH (HNHM).

Iraq, Baghdad, Rashidyah, 8 VI 1981, 6 sps., leg. R. LINNAVUORI (HU).

Iran, Kordestan, Marivân, 35°32'N/46°09'E, 15 IX 1975, leg. A. SENGLER (MG).

Distr.: Europe, Mediterranean Region, and Middle Asia.

46 *Bruchidius sericatus* (Germar, 1824)

Israel, Mt. Carmel, 100 m, 17 IV 1982, 1 spn., leg. BESUCHET and LÖBL (MG).

W Jordan, Kubebesh near Jerusalem, 600 m, 13 VI 1968, 6 sps., leg. J. KLAPPERICH (HNHM); E Jordan, Homer near Amman, 600 m, 16 IV 1959, 3 sps., leg. J. KLAPPERICH (HNHM).

Distr.: South Europe and Mediterranean Subregion.

47. *Bruchidius tibialis* (Boheman, 1829)

Lebanon, Ainab, 13 V 1956, 1 spn., leg. J. KLAPPERICH (HNHM).

E Jordan, Jordan Vall., Jericho, 250 m b.s.l., 26 II 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Jordan Vall., Arda Road, 700 m, 19 V 1956, 1 spn., 9 V 1958, 1 spn., leg. J. KLAPPERICH (HNHM); Amman, 800 m, 13 IV 1958, 1 spn., leg. J. KLAPPERICH (HNHM); forest near Jerash, 600 m, 15 III 1959, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: Southern part of Middle Europe, South Europe, and Mediterranean Subregion.

48. *Bruchidius trifolii* (Motschulsky, 1874)

Israel, Mt. Carmel, 100 m, 17 IV 1982, 4 sps., leg. BESUCHET and LÖBL (MG).

E Jordan, Jordan Vall., Arda Road, 600 m, 8 III 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Distr.: Croatia, Greece, the Middle East and North Africa.

49. *Bruchidius tuberculatus* (Hochhuth, 1847)

Cyprus, Limassol, VI 1928, 1 spn. (MCG).

Lebanon, Tripoli, 14 V 1961, 1 spn., leg. T. RIEDEL (IZPAS).

Syria, Damascus, 9 V 1961, 1 spn., leg. T. RIEDEL (IZPAS).

Israel, Mt. Carmel, 100 m, 17 IV 1982, 4 sps., leg. BESUCHET and LÖBL (MG).

E Jordan, Amman, 800 m, 25 III 1958, 6 sps., leg. J. KLAPPERICH (HNHM); Fuhes near Amman, 1000 m, 27 IV 1958, 9 sps., leg. J. KLAPPERICH (HNHM); Homer near Amman, 600 m, 26 IV 1959, 3 sps., leg. J. KLAPPERICH (HNHM); Dah Been, 700 m, 3 IV 1958, 2 sps., leg. J. KLAPPERICH (HNHM); Jordan Vall., Arda Road, 700 m, 9 V 1958, 1 spn., leg. J. KLAPPERICH (HNHM).

Iraq, Dahuk, Shaykh Addi, 15 II 1979, 1 spn., leg. R. LINNAVUORI (HU).

Iran, Golhak near Teheran, III–V 1961, 3 sps., 9–23 VI 1961, 1 spn., leg. J. KLAPPERICH (HNHM); Darband Vall., Elburs Mts., 2400 m, 26 V 1961, 1 spn., leg. J. KLAPPERICH (HNHM).

Afghanistan, Kandahar, 950 m, 8 III 1953, 1 spn., leg. J. KLAPPERICH (HNHM); Herat, 980 m, 20 V 1974, 2 sps., leg. L. PAPP (HNHM); Paropamisus Mts., 10 km N of Herat, 1150 m, 21 V 1974, 1 spn., leg. L. PAPP (HNHM).

Distr.: South Europe, Mediterranean Subregion, the Middle East, and Middle Asia.

50. *Bruchidius varius* (Olivier, 1795)

Lebanon, Ainab, 650 m, 23 IX 1959, 2 sps., leg. J. KLAPPERICH (HNHM).

Israel, Habonim, 16 IV 1982, 1 spn., leg. BESUCHET and LÖBL (MG); Mt. Carmel, 100 m, 17 IV 1982, leg. BESUCHET and LÖBL (MG).

Distr.: Middle and South Europe, Mediterranean Subregion and Caucasus.

51. *Spermophagus canus* Baudi, 1887

Iran, Fars, Dasht-e-Arjan, 1650 m, 1 V 1974, 1 spn., (author's coll.)

Distr.: Middle Asia.

Table. Distribution of seed-beetles in various countries of eastern Mediterranean Subregion

Species	Country													
	Bulgaria	Yugoslavia	Albania	Greece	Turkey	Armenian SSR	Syria	Lebanon	Israel	Jordan	Iraq	Iran	Afghanistan	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
<i>Acanthobruchidius</i>														
1. <i>spiniger</i> (BAUDI)	-	-	-	+	+	-	-	-	+	+	+	-	-	
<i>Acanthoscelides</i>														
2. <i>obtectus</i> (SAY)	+	+	+	+	+	+	+	+	+	-	-	-	-	
3. <i>pallidipennis</i> (MOTSCH)	+	+	-	-	-	+	-	-	-	-	-	-	-	
4. <i>plagiatus</i> (R. et S.)	-	-	-	+	+	+	+	+	+	-	-	-	-	
<i>Bruchidius</i>														
5. <i>albopictus</i> (ALL.)	-	-	-	-	+	-	+	+	+	-	-	-	-	
6. <i>annulicornis</i> (ALL.)	-	-	-	+	+	+	-	+	-	-	-	-	-	
7. <i>apicipennis</i> (HEYD.)	-	-	-	-	-	-	-	-	-	-	-	+	-	
8. <i>armeniacus</i> TER-M.	-	-	-	-	-	+	-	-	-	-	-	-	-	
9. <i>astragali</i> (BOH.)	-	-	-	-	+	-	+	-	-	-	-	+	-	
10. <i>bagdassarjani</i> LUK.	-	-	-	-	+	+	-	-	-	-	-	-	-	
11. <i>biguttatus</i> (OL.)	+	+	-	+	+	-	+	-	+	+	+	-	-	
12. <i>bimaculatus</i> (OL.)	+	+	-	+	+	+	+	+	+	+	+	-	-	
13. <i>bituberculatus</i> SCH.	-	-	-	+	+	-	+	+	+	+	-	-	-	
14. <i>brignolii</i> ZAMP.	-	-	-	-	-	-	-	+	-	-	-	-	-	
15. <i>bythinocerus</i> (RTT.)	-	-	-	-	-	+	-	-	-	+	-	+	-	
16. <i>caninus</i> (KR.)	+	+	-	+	+	-	+	-	-	-	-	-	-	
17. <i>canus</i> (GERM.)	+	+	-	+	+	+	-	-	-	-	-	+	-	
18. <i>chloroticus</i> (DALM.)	-	-	-	-	-	-	-	-	-	-	+	-	-	
19. <i>cinerascens</i> (GYLL.)	+	+	-	+	+	+	+	+	+	+	-	+	-	
20. <i>cisti</i> (F.)	+	+	-	+	-	+	-	+	-	-	-	-	-	
21. <i>dispar</i> (GYLL.)	+	+	-	+	+	-	+	+	-	+	+	-	-	
22. <i>elegans</i> KHNZ.	-	-	-	-	-	+	-	-	-	-	-	-	-	
23. <i>fallicosus</i> KHNZ.	-	-	-	-	-	+	-	-	-	-	-	-	-	
24. <i>foveolatus</i> (GYLL.)	+	+	+	+	+	-	+	+	+	+	-	+	-	
25. <i>fulvicornis</i> (MOTSCH.)	+	-	-	-	-	-	-	-	-	-	-	-	-	
26. <i>glyzyrrhizae</i> (FAHR.)	-	-	-	+	-	-	-	-	-	-	-	+	-	
27. <i>holosericeus</i> (SCHÖNH.)	+	+	-	+	+	+	+	-	-	-	-	+	-	
28. <i>imbricornis</i> (PANZ.)	+	+	-	+	+	+	-	-	-	-	-	-	-	
29. <i>incipiens</i> (KOL.)	-	-	-	-	+	+	-	-	-	-	-	-	-	
30. <i>khnzoriani</i> KAR.	-	-	-	-	+	+	-	-	-	-	-	-	-	
31. <i>koenigi</i> SCH.	-	-	-	-	+	+	-	-	-	-	-	-	-	
32. <i>lineatus</i> (ALL.)	+	+	-	+	+	-	-	+	-	-	-	-	-	
33. <i>lividimanus</i> (GYLL.)	-	+	-	+	+	-	-	+	+	+	-	-	-	
34. <i>loebli</i> BOR.	-	-	-	-	-	-	-	-	-	-	-	+	-	
35. <i>longulus</i> SCH.	-	+	-	+	+	+	-	-	-	+	-	-	+	

1	2	3	4	5	6	7	8	9	10	11	12	13	14
36. <i>lucifugus</i> (GYLL.)	-	-	-	-	+	+	-	-	-	+	-	-	-
37. <i>lutescens</i> (BLANCH.)	+	-	-	+	+	+	-	-	+	+	-	-	-
38. <i>marginalis</i> (F.)	-	+	-	-	+	+	-	-	-	-	-	-	-
39. <i>martinezi</i> (ALL.)	+	+	-	+	+	+	-	-	-	+	-	+	+
40. <i>megriensis</i> T.-M.	-	-	-	-	-	+	-	-	-	-	-	-	-
41. <i>monstrosicornis</i> (PIC)	-	-	-	+	+	-	-	-	-	-	-	-	-
42. <i>mordelloides</i> (BAUDI)	+	-	-	+	-	+	+	+	+	-	-	-	-
43. <i>mulstanti</i> (BRIS.)	+	+	-	+	+	+	-	-	-	+	-	-	-
44. <i>murinus</i> (BOH.)	+	+	+	+	+	-	+	-	+	-	-	-	-
45. <i>nanus</i> (GERM.)	+	+	-	+	+	+	-	-	-	-	-	+	+
46. <i>nudus</i> (ALL.)	+	-	-	+	+	-	-	-	+	+	-	-	-
47. <i>obscuripes</i> (GYLL.)	+	+	+	+	+	+	+	+	+	-	-	-	-
48. <i>olivaceus</i> (GERM.)	-	-	-	+	-	-	-	-	-	-	-	-	-
49. <i>orchesioides</i> (HEYD.)	-	-	-	-	+	+	-	-	-	-	-	+	-
50. <i>pallidulus</i> (RTT.)	-	-	-	-	-	+	-	-	-	-	+	-	+
51. <i>pauper</i> (BOH.)	+	+	-	+	-	+	-	-	-	+	-	-	-
52. <i>picipes</i> (GERM.)	+	+	-	+	+	-	-	-	-	-	-	+	+
53. <i>poecilus</i> (BOH.)	+	+	-	+	+	+	-	-	+	+	-	-	-
54. <i>poupillieri</i> (ALL.)	-	-	-	-	+	-	-	-	-	+	+	-	-
55. <i>pusillus</i> (GERM.)	+	+	-	-	+	-	-	-	-	+	+	+	-
56. <i>pygmaeus</i> (BOH.)	+	+	-	+	+	-	-	-	-	+	-	-	-
57. <i>quinqueguttatus</i> (OL.)	+	+	-	+	+	+	+	+	+	+	+	+	-
58. <i>reitteri</i> SCH.	-	-	-	-	+	+	-	-	-	-	-	+	-
59. <i>richteri</i> L. et T.-M.	-	-	-	-	+	+	-	-	-	-	-	+	-
60. <i>riedeli</i> BOR.	-	-	-	-	-	-	-	+	+	-	-	-	-
61. <i>rufisura</i> (ALL.)	-	+	-	+	+	-	+	-	+	+	+	-	-
62. <i>scutulatus</i> (BAUDI)	-	-	-	-	-	-	-	-	-	-	-	+	+
63. <i>seminarius</i> (L.)	+	+	+	+	+	+	+	+	+	+	+	+	-
64. <i>sericatus</i> (GERM.)	+	+	-	+	+	+	+	+	+	+	-	-	-
65. <i>sivasensis</i> ZAMP.	-	-	-	-	+	-	-	-	-	-	-	-	-
66. <i>spathopus</i> KHNZ.	-	-	-	-	-	+	-	-	-	-	-	-	-
67. <i>tibialis</i> (BOH.)	-	+	+	+	+	-	+	+	-	+	-	+	-
68. <i>tragacanthae</i> (OL.)	-	-	-	-	-	-	-	-	-	-	-	+	-
69. <i>trifolii</i> (MOTSCH.)	-	+	-	+	-	-	-	-	+	+	-	-	-
70. <i>tuberculatus</i> (HOCHH.)	+	+	-	+	+	+	+	+	+	+	+	+	+
71. <i>varipictus</i> (MOTSCH.)	+	+	-	+	+	-	+	-	+	-	-	-	-
72. <i>varius</i> (OL.)	+	+	-	+	+	+	-	+	+	-	-	-	-
73. <i>villosus</i> (F.)	+	+	-	+	-	-	-	-	-	-	-	-	-
74. <i>virgatus</i> (FAHR.)	-	-	-	+	+	+	-	-	-	-	-	+	-
75. <i>zampettii</i> BOR.	-	-	-	+	+	-	-	+	-	-	-	-	-
<i>Bruchus</i>													
76. <i>affinis</i> FRÖL.	+	+	-	+	+	+	+	-	-	-	-	-	-
77. <i>atomarius</i> (L.)	+	+	-	+	+	+	-	-	-	-	-	+	-
78. <i>brachialis</i> FAHR.	+	+	+	+	+	+	-	-	-	-	-	-	-
79. <i>dentipes</i> BAUDI	-	-	-	-	+	+	+	+	+	+	+	+	+
80. <i>emarginatus</i> ALL.	+	+	-	+	+	+	+	+	+	-	-	-	-
81. <i>ervi</i> FRÖL.	-	+	-	+	+	-	+	+	+	+	+	-	-
82. <i>hamatus</i> MILL.	+	+	-	+	+	+	+	+	-	-	-	-	-

1	2	3	4	5	6	7	8	9	10	11	12	13	14
83. <i>incurvatus</i> MOTSCH.	-	-	-	-	+	+	-	-	-	-	-	+	-
84. <i>laticollis</i> (BOH.)	+	+	+	+	+	+	+	-	-	-	-	-	-
85. <i>lentis</i> FRÖL.	+	+	-	+	+	+	+	-	-	+	-	-	-
86. <i>loti</i> PAYK.	+	+	-	-	+	-	-	-	-	-	-	-	-
87. <i>lugubris</i> FAHR.	-	-	-	-	-	+	-	-	-	-	-	+	+
88. <i>luteicornis</i> ILL.	+	+	+	+	-	+	-	-	-	-	-	-	-
89. <i>perezi</i> KR.	-	-	-	+	+	-	-	-	-	-	-	-	-
90. <i>pisorum</i> (L.)	+	+	+	+	+	+	+	+	+	-	-	+	+
91. <i>rufimanus</i> BOH.	+	+	-	+	+	+	+	+	+	+	-	+	+
92. <i>rufipes</i> HERBST	+	+	+	+	+	+	-	-	+	-	-	-	-
93. <i>sibiricus</i> GERM.	-	-	-	-	-	+	-	-	-	-	-	-	-
94. <i>signaticornis</i> GYLL.	+	+	-	+	+	-	+	+	-	-	-	-	-
95. <i>tristiculus</i> FAHR.	+	+	-	+	-	-	+	-	+	-	-	+	-
96. <i>tristis</i> BOH.	+	+	-	+	+	-	+	-	-	+	-	+	-
97. <i>ulicis</i> MULS.	-	+	-	+	+	-	+	-	+	-	+	-	+
98. <i>venustus</i> FAHR.	+	+	-	-	-	+	-	-	-	-	-	-	-
99. <i>viciae</i> OL.	+	+	-	+	+	+	+	+	-	-	-	-	+
<i>Callosobruchus</i>													
100. <i>chinensis</i> (L.)	-	+	-	-	-	-	-	-	+	-	-	-	-
<i>Caryedon</i>													
101. <i>lisaeeae</i> SOUTH.	-	+	-	+	+	-	-	-	-	-	-	-	-
102. <i>palaestinus</i> SOUTH.	-	-	-	-	-	-	-	-	+	-	+	+	-
<i>Paleoacanthoscelides</i>													
103. <i>gilvodes</i> (L. et T.-M.)	-	-	-	-	-	+	-	-	-	-	-	-	-
104. <i>gilvus</i> (GYLL.)	+	+	-	+	+	+	-	-	-	-	-	-	+
<i>Pseudopachymerina</i>													
105. <i>spinipes</i> (ER.)	-	-	-	-	+	-	+	-	+	-	-	-	-
<i>Rhaebus</i>													
106. <i>mannerheimi</i> MOTSCH.	-	-	-	-	-	-	-	-	-	-	-	-	+
<i>Salviabruchus</i>													
107. <i>retusus</i> (BAUDI)	-	-	-	-	+	-	+	+	+	-	+	-	-
<i>Sulcobruchus</i>													
108. <i>sinaitus</i> (DANIEL)	-	-	-	-	-	-	-	-	+	-	-	-	-
<i>Spermophagus</i>													
109. <i>calystegiae</i> (L. et T.)	+	+	+	+	+	+	-	-	+	+	+	+	-
110. <i>canus</i> BAUDI	-	-	-	-	-	-	-	-	-	-	-	+	-
111. <i>caricus</i> DEC.	-	-	-	+	+	-	+	-	-	-	-	+	-
112. <i>caucasicus</i> BAUDI	-	-	-	-	-	+	+	-	-	-	-	+	+
113. <i>confusus</i> BOR.	+	+	-	+	+	+	-	-	-	-	-	-	-
114. <i>decellei</i> BOR.	-	-	-	-	-	-	-	-	-	-	-	+	-
115. <i>klapperichi</i> BOR.	-	-	-	-	-	-	-	-	-	+	-	-	-
116. <i>kuesteri</i> SCH.	+	+	+	+	+	+	-	+	-	+	-	+	+
117. <i>pubiventris</i> BAUDI	-	-	-	+	-	-	-	+	+	-	-	-	-
118. <i>sericeus</i> (GEOFFR.)	+	+	+	+	+	+	+	+	+	+	+	+	+
119. <i>wittmeri</i> BOR.	-	-	-	-	-	-	-	-	+	-	-	-	-

56 62 14 70 79 64 41 36 41 38 17 39 17

REFERENCES

- BOROWIEC, L., 1983a, Survey of seed-beetles of Bulgaria (*Coleoptera, Bruchidae*), Pol. Pismo Ent., **53**: 107-127.
- 1983b, Contribution to the knowledge of Korean and Mongolian seed-beetles (*Coleoptera, Bruchidae*), Pol. Pismo Ent., **53**: 281-289.
- 1984, The seed-beetles from Turkey (*Coleoptera, Bruchidae*), Pol. Pismo Ent., **54**: 295-301.
- 1986, The seed-beetles from Yugoslavia, Albania and Greece (*Coleoptera, Bruchidae*), Pol. Pismo Ent., **56**: 577-592.
- 1987, The type-material of *Bruchus pusillus* (GERMAR) and *B. picipes* (GERMAR), Pol. Pismo Ent., **57**: 591-592.
- DECELLE, J., 1979, Un bruchidae nord-américain, *Acanthoscelides seminulum* (HORN), en voie d'indigénation en Europe Centrale et méridionale, Bull. Ann. Soc. R. Belge Ent., **115**: 28.
- WENDT, H., 1981, Eine für Südost-Europa neue Sämenkäfer-Art (*Coleoptera: Bruchidae*), Folia Ent. Hung., **42**: 223-226.