

Bull. Iraq nat. Hist. Mus.

(1990) 8 (3) : 45-51

SYSTEMATIC LIST OF COCCINELLIDAE RECORDED FOR IRAQ

H. A. Ali, M. S. Abdul-Rassoul and M. A. Swail

Iraq Natural History Museum,

College of Science, University of Baghdad,

Baghdad, Iraq.

ABSTRACT

The following list comprises sixty-one species and subspecies of coccinellid beetles belonging to twenty-two genera distributed among six tribes in three subfamilies. All the species and subspecies have been recorded for Iraq. The categories have been arranged systematically according to Korschefsky's (1931) catalogue.

The family Coccinellidae is one of the most common group of the Coleoptera. It is of world-wide distribution and is represented by a considerable number of species. The great majority are predaceous, feeding on small soft-bodied insects, including especially aphids and coccids. Because of their predatory habits, they are considered highly beneficial. They are of particular importance to us in this respect as they have been collected and recorded in Iraq by a number of entomologists for almost 70 years. The earliest record reported by Holdhaus (1919) and the last one was by Swail (1986).

Since the coccinellid fauna of Iraq is relatively poorly known, the following list of species is presented as a possible aid to future works on the affinities, distributions and the biological control of this group. As a result of this study the coccinellid fauna of Iraq is now known to be 61 species and subspecies belonging to 22 genera. Few of these species are very rare and only known from occasional records of the past 70 years. The species and subspecies have been arranged systematically according to Korschefsky's (1931) catalogue.

Coccinellidae recorded for Iraq

Family Coccinellidae

Subfamily Epilachninae Ganglb.

Epilachna Redtenb.

Epilachna chrysomelina F. Khalaf, 1958, 1959; 1963; Derwesh, 1965; Kaddou, 1967; Abdul-Rassoul, 1976.

Epilachna chrysomelina costae Ws. Holdhaus, 1919.

Subfamily Lithophilinae Ganglb.

Lithophilus Frol.

Lithophilus major Crotch Korschefsky, 1931; Al-Ramahy (in press).

Subfamily Coccinellinae Ganglb.

Tribe Scymmini Costa

Stethorus Ws.

Stethorus gilvifrons Muls. Abdul-Rassoul, 1970.

Stethorus punctillum Ws. Selim *et al.*, 1975; Al-Rawi *et al.*, 1977.

Clithrothetus Ws.

Clithrothetus arcuatus (Rossi) Abdul-Rassoul, 1970.

Scymnus Kugelann

Scymnus apetzi Muls. Derwesh 1965.

Scymnus apetzi quadriguttatus Mull. Holdhaus, 1919.

Scymnus flavicollis Redtenb. Stary and Kaddou, 1975; Abdul-Rassoul, 1976.

Scymnus interruptus (Goeze) Derwesh, 1965.

Scymnus levaillanti Muls. Holdhaus, 1919; Stary and Kaddou, 1975; Abdul-Rassoul, 1976.

Scymnus punctillum Ws. Shalaby *et al.*, 1966; Selim, 1977.

Scymnus setulesus Chevr. Al-Ramahy (in press).

Scymnus syriacus Mars. Holdhaus, 1919 as *Pullus syriacus* Mars.; Abdul-Rassoul, 1976; Al-Rawi *et al.*, 1977.

Diomus Muls.

Diomus rubidus (Motsch.) Al-Ani *et al.*, 1972.

Nephus Muls.

Nephus bipunctatus Kugelann El-Haidari *et al.*, 1974; Al-Rubeae, 1977.

Nephus hiekei Fursch Al-Ali, 1977.

Nephus includens Kirsch Al-Rubeae, 1977.

H. A. Ali et al.

Nephus keoles Fursch Al-Izzi, 1973.

Nephus nigricans Ws. Al-Ali, 1977.

Nephus quadrimaculatus Herbst Shalaby et al., 1966.

Pullus Muls.

Pullus ebneri Ws. Shalaby et al., 1966.

Pullus subvillosus (Goeze) Shalaby et al., 1966; Stary and Kaddou, 1975. as *Scymnus subvillosus* Goeze; Al-Rawi et al., 1977.

Tribe Hyperaspini Costa

Hyperaspis Redtenb.

Hyperaspis polita Ws. Al-Izzi, 1973.

Hyperaspis pumila Muls. Al-Ani et al., 1972; El-Haidari et al. 1974; Al-Rawi et al., 1977.

Hyperaspis pusilla Muls. Derwesh, 1965.

Hyperaspis reppensis (Herbst) Derwesh, 1965.

Hyperaspis reppensis femorata Motsch. Holdhaus, 1919.

Hyperaspis transversoguttata Ws. Abdul-Rassoul, 1976.

Tribe Pharini Cas.

Pharoscymnus Bedel

Pharoscymnus ovoideus Sic. Abdul-Rassoul, 1976.

Pharoscymnus pharoides Sic Shalaby et al., 1970; Al-Ramahy (in press).

Pharoscymnus setulosus Chevr. El-Haidari et al., 1972.

Pharoscymnus smirnovi Dobzh. Shalaby et al., 1966.

Tribe Chilocorini Costa

Chilocorus Leach

Chilocorus bipustulatus L. Derwesh, 1965; Abdul-Rassoul, 1976.

Exochomus Redtenb.

Exochomus flavipes Thunberg Holdhaus, 1919; Derwesh, 1965; Selim, 1977.

Exochomus nigripennis (Er.) Khalaf, 1963; Bielawski, 1963; El-Haidari et al., 1972; Stary and Kaddou, 1975; Abdul-Rassoul, 1976.

Exochomus pubescens Kust. Derwesh, 1965.

Exochomus quadripustulatus L. Roberts 1972; Stary and Kaddou, 1975.

Coccinellidae recorded for Iraq

Brumus Muls

Brumus lugubrivetris Muls. Holdhaus, 1919.

Brumus octosignatus Gebler Korschefsky, 1931.

Tribe Cynonychini Ws.

Cydonia Muls.

Cydonia vicina nilotica Muls. Swailem *et al.*, 1974.

Tribe Coccinellini Ws.

Hippodamia Muls.

Hippodamia quindecimmaculata Muls. Swail, 1986.

Adonia Muls.

Adonia variegata (Goeze) Khalaf, 1963; Derwesh, 1965; Kaddou, 1967; Abdul-Rassoul, 1976.

Adonia variegata carpini Fourcr. Holdhaus, 1919.

Adonia variegata consteilota laich. Holdhaus, 1919.

Bulaea Muls.

Bulaea lichatschovi pallida Motsch. Derwish, 1965; Kaddou, 1967; Abdul-Rassoul, 1976.

Bulaea lichatschovi suturella Ws. Khalaf, 1961.

Adalia Muls.

Adalia bipunctata (L.) Sage, 1961.

Adalia decempunctata (L.) Sage, 1961; Roberts, 1972.

Adalia fasciatopunctata (Fald.) Abdul-Rassoul, 1970, 1976; Stary and Kaddou, 1975

Coccinella Leach.

Coccinella iranica Dobzh. Abdul-Rassoul, 1970.

Coccinella septempunctata L. Holdhaus, 1919; Khalaf, 1958, 1959, 1961; Sage, 1961; Derwesh, 1965; Kaddou, 1967; Swailem *et al.*, 1974; Stary and Kaddou, 1975; Abdul-Rassoul, 1976; Selim, 1977.

Coccinella tianshanica Dobzh. Swail 1986.

Coccinella transversoguttata Fald. Al-Ramahy (in press).

Coccinella undecimpunctata L. Khalaf, 1958, 1959, 1961; Derwesh, 1965; Kaddou, 1967; Khalaf and Al-Omar, 1974; Swailem *et al.*, 1974; Abdul-Rassoul, 1976; Selim, 1977.

Coccinella undecimpunctata arabica Mad. Stary and Kaddou, 1975.

H. A. Ali et al.

Synharmonia Ganglb.

Synharmonia conglobata (L.) Khalaf, 1963; Derwesh, 1965; Roberts, 1972; Selim et al., 1975, 1977.

Synharmonia oncina (Oliv.) Swail, 1986.

Propylaea Muls.

Propylaea quatuordecimpunctata (L.) Khalaf, 1958; Derwesh, 1965; Abdul-Rassoul, 1976.

Psylloborini Cas

Thea Muls.

Thea vigintiduopunctata L. Khalaf, 1958; Derwesh, 1965.

Thea vigintiduopunctata vigintiseptempunctata Motsch. Khalaf, 1961.

LITERATURE CITED

- Abdul-Rassoul, M. S. 1970. Some coccinellids from Iraq with notes on their predation on white fly. *Bull. Iraq nat. Hist. Mus.*, 4(3) : 51—52.
.....1976. Checklist of Iraq Natural History Museum Insects Collection. *Nat. Hist. Res. Centre (Iraq)*, publ. no. 30, 41pp.
- Al-Ali, A.S. 1977. Phytophagous and entomophagous insects and mites in Iraq. *Nat. Hist. Res. Centre (Iraq)*, publ. no. 33, 142pp.
- Al-Ani, J. N.; Aref, A. S. and Abdul-Wahab, W. 1972. The mealy bug *Nipaeococcus vastator* (Maskell) and its hosts in Iraq. *Iraqi Agri. Mag.* 27 : 72—90 (In Arabic).
- Al-Izzi, M.A. 1973. Biology of *Nipaeococcus vastator* (Maskell) (Pseudococcidae, Homoptera) infesting citrus trees in Iraq. M. Sc. thesis, Agri. Coll., Baghdad University.
- Al-Ramahy, R. S. Predaclus Beetles (Coleoptera, Occinellidae) from Iraq. (In Arabic) in press.
- Al-Rawi, M. A.; Kaddou, I. K. and Al-Omar, M. A. 1977. The present status of the Spherical Mealybug, *Nipaeococcus vastator* (Maskell) (Homoptera, Pseudococcidae) in Iraq. *Bull. Biol. Res. Centre (Iraq)*, 8 : 3—15.
- Al-Rubeae, J. K. 1977. Studies on the predators of *Nipaeococcus vastator* (Maskell) (Pseudococcidae, Homoptera). M. Sc. thesis, Agri. Coll., Baghdad University.
- Bielawski, R. 1963. Coccinellidae (Coleoptera) aus Vorderasien. *Fragm. faun., Warsaw*, 10 : 391—398.

Coccinellidae recorded for Iraq

- Derwesh, A. I. 1965. A preliminary list of identified insects and arachnids of Iraq. *Direct. Gen. Agri. Res. Proj. (Iraq), Bull. no. 121, 123pp.*
- El-Haidari, H.; Fattah, Y. M. and Sultan, J. A. 1972. Contribution to the insect fauna of Iraq. part 4. *Direct. Gen. Plant Prot. (Iraq). Bull. no. 18, 17 PP.*
- Holdhaus, K. 1919 Koleopteren aus Mesopotamien (Ergeb. d. wiss. Exped. nach Mesopotamien, 1910). *Ann. Naturhist Hofmus. Wien, 33: 39—58.*
- Hussain, A. A. 1963. Provisional list of insect pest and bibliography of insect fauna of Iraq. *Bull. Coll. Sci. Univ. Baghdad. 7 : 43—83.*
- Kaddou, I. K. 1967. Check-list of some insect fauna of Iraq. *Biol. Res. Centre, publ. no. 1 : 1—44.*
- Khalaf, A. N. and Al-Omar, M. A. 1974. A second list of insects from Iraq. *Biol. Res. Centre, publ. no. 2, 41pp.*
- Khalaf, K. T. 1958. Some Hymenoptera and Coleoptera from Iraq. *Iraq nat. Hist. Mus. publ. no. 14 : 1—3.*
- 1959. A collection of insects from Iraq. *Iraq Nat. Hist. Mus. publ., no. 17 : 17—26.*
- 1961. Miscellaneous insects from Iraq. *Bull. Iraq Nat. Hist. Mus., 1 (7) : 1—7.*
- 1963. Faunistic notes in Iraq. *Bull. Iraq Nat. Hist. Mus. 2 (8) : 1—12.*
- Korschefsky, R. 1931. Coccinellidae. (In Junk, W. et Schenkling, S.: coleopterum catalogus, 118, W. Junk, Berlin)
- Roberts, H. 1972. Forestry Research, Demonstration and Training. Arbil. Iraq Forest Entomology. *FAO Technical Report 6, 145PP., Rome, FO: DP/IRQ/68/518.*
- Sage, B. L. 1961. Notes on some Coleoptera collected at Khanaqin, Iraq. *Bull. Iraq Nat. Hist. Mus., 1 (5) : 1—3.*
- Salim, A. A. 1977. Some notes on the activity of certain insects predators and parasites of the Hammam Al-Alil area. *Mesopotamia J. Agric. 12 (1) : 65—73.*
- Selim, A. A.; Swailem, S. M. and Amin, A. H. 1975. A contribution to the study of the insect fauna of Hammam Al-Alil. Part 11 *Mesopotamia J. Agric. 10 (1&T) : 41—48.*
- Shalaby, F.; El-Haidari, H. and Derwesh, A. I. 1966. Contribution to the insect fauna of Iraq. *Bull. Soc. ent. Egypte 50 77—89.*

H. A. Ali et al.

- 1970 Contribution to the insect fauna of Iraq.
Bull. Soc. ent. Egypte, 54 : 101—109.
- Stary, P. and Kaddou, I. K. 1975. Records of Aphidophagous Insects in Iraq. *Biol. Res. Centre, pub. no. 3*, 16pp.
- Swail, M. A. 1986. Taxonomic study on tribe coccinellini in Iraq (Coleoptera. Coccinellidae). M. Sc. thesis, Sci Coll., Baghdad University.
- Swail, S. M; Selim, A. A. and Amin, H. 1974. A contribution to the study of the insect fauna of Hammam Al-Alil. *Mesopotamia J. Agric.*, 9 (1&2) : 119—141.

Bull. Iraq nat. Hist. Mus.

(1990) 8 (3) : 45-51

قائمة تصنيفية لعائلة الدعاسيق في العراق

حسين عباس العلي ، محمد صالح عبدالرسول ومهدي عباس سويل
متحف التاريخ الطبيعي - جامعة بغداد
بغداد - العراق

تتضمن القائمة الحالية تسجيلاً لـ 100 نوعاً و 10 أنواعاً من الدعاسيق العراقية موزعة على اثنتين وعشرين جنساً منظمة تحت ست قبائل وثلاث عويلات . اتبع دليل كرشوفسكي (1931) في تنظيم المراتب العلمية في القائمة .

H. A. ALBERT

1939 Contribution to the insect fauna of Iraq
Ann. Ent. Soc. Egypt, 23: 1-100

1940 and 1941. The insects of the Iraqian fauna
Ann. Ent. Soc. Egypt, 24: 1-100

1942. The insects of the Iraqian fauna
Ann. Ent. Soc. Egypt, 26: 1-100

1943. The insects of the Iraqian fauna
Ann. Ent. Soc. Egypt, 27: 1-100

1944. The insects of the Iraqian fauna
Ann. Ent. Soc. Egypt, 28: 1-100

1945. The insects of the Iraqian fauna
Ann. Ent. Soc. Egypt, 29: 1-100

1946. The insects of the Iraqian fauna
Ann. Ent. Soc. Egypt, 30: 1-100