

Ministry of Jihad-e Agriculture
Agricultural Research, Education & Extension
Organization

Iranian Research Institute of Plant Protection
Insect Taxonomy Research Department
Publ. No. 21

INSECTS OF IRAN

The List of Lepidoptera in the Hayk Mirzayans Insect Museum of
Iranian Research Institute of Plant Protection

**Family: Crambidae (Acentropiinae, Crambinae, Glaphyriinae,
Schoenobiinae, Scopariinae)**

By:

H. Alipanah



2018

Printing of this supplement was confirmed by the Publication Committee of Iranian Research Institute of Plant Protection at the Committee session on 24.12.2017.

Identification of Book:

Insects of Iran: The List of Lepidoptera in the Hayk Mirzayans Insect Museum of Iranian Research Institute of Plant Protection, Family: Crambidae (Acentropiinae, Crambinae, Glaphyriinae, Schoenobiinae, Scopariinae)

By: Helen Alipanah

Publisher: Iranian Research Institute of Plant Protection

Date of Publishing: 2018

Computer aided typing: H. Alipanah

Layout: Helen Alipanah

Cover illustration: *Catoptria colchicellus* (Lederer) (Iran: Mazandaran, Jannat Rudbar); photo: H. Alipanah.

Address:

Iranian Research Institute of Plant Protection, P.O. Box 1454, Tehran 19395, Iran
Tel.: +98(21) 22403012-16, Fax: +98(21) 22403691

In the Name of God

The list of Lepidoptera in Hayk Mirzayans Insect Museum of the
Iranian Research Institute of Plant Protection
**Lepidoptera: Crambidae (Acentropiinae, Crambinae,
Glaphyriinae, Shoenobiinae, Scopariinae)**

By:

H. Alipanah

The superfamily Pyraloidea with almost 16000 described species worldwide shows the largest variety of life styles. The larvae of most species feed on living plants either internally or externally as leaf rollers, leaf webbers, leaf miners, borers, root feeders and seed feeders (Nuss & Speidel, 2005).

There are two distinct evolutionary lineages within Pyraloidea based upon two main types of tympanal organs: the Pyralidae Latreille, 1809 and Crambidae Latreille, 1810. The family Crambidae with 9655 species in 1020 genera worldwide (van Nieukerken *et al.*, 2011) is characterized by the nine following features: forewing vein R5 free; forewing with oval sclerotization costad of base of vein A1+2; bullae tympani open cephalad; tympanum and conjunctivum lying at a blunt angle; presence of processus tympani; presence of praecinctorium; accessory tympana present caudally of metacoxa; male genitalia without uncus arms; and segment A8 of larvae without sclerotized ring around base of SD1 (Nuss *et al.*, 2003-2017). Presence of one or two L setae on segment A9 of the larvae would be an additional characteristic of this family as stated by Solis (2007).

The family Crambidae is divided into 14 subfamilies namely, Acentropinae, Crambinae, Cybalomiinae, Glaphyriinae, Heliothelinae, Lathrotelinae, Linostinae, Midilinae, Mustominae, Odontiinae, Pyraustinae, Schoenobiinae, Scopariinae and Spilomelinae, of which the four subfamilies Lathrotelinae, Linostinae, Midilinae and Mustominae can not be found in the Palaearctic Region (Nuss *et al.*, 2003-2017).

In the present checklist detailed data on the distribution of the species of five crambid subfamilies, Acentropiinae, Crambinae, Glaphyriinae, Schoenobiinae and Scopariinae, which have been reported from Iran so far and preserved in the Lepidoptera collection of the Hayk Mirzayans Insect Museum (HMIM) are provided. According to the available literature, a total of 131 species of these five subfamilies have already been known from Iran (Bienert, 1869; Lederer, 1869, 1871; Christoph, 1888; Hampson, 1900; Rebel, 1903; Osthelder, 1938; Zerny, 1914, 1939; Toll, 1948; Amsel, 1949a, b, 1951, 1952, 1953, 1954, 1959, 1961, 1965; Bleszyński, 1959, 1965; Mirzayans & Kalali, 1970; Ebert, 1973; P. Leraut, 1982, 1984; Wieser *et al.*, 2001; Alipanah, 2003, 2017, 2018; Bassi, 2013; Roohigohar *et al.*, 2016; Goater, 2005; Nuss, 2005; Speidel, 2005; Slamka, 2008; Koçak & Kemal 2014; Sobh Zahedi *et al.*, 2014, Alipanah & Gianti, 2017; Alipanah *et al.*, 2018). These include four species of Acentropiinae, 71 species of Crambinae, 36 species of Glaphyriinae, five species of Schoenobiinae and 15 species of Scopariinae; of which, 107 species in 32 genera are available in the Lepidoptera collection of the Hayk Mirzayans Insect Museum. In Acentropiinae all species except *Cataclysta lemnata* (Linnaeus, 1758) are present in the HMIM; while in Crambinae 10 species namely, *Agriphila microselasella* Bleszyński, 1959, *Catoptria lithargyrella* (Hübner, 1796), *Chrysocrambus syriellus* (Zerny, 1934), *Crambus heringellus* Herrich-Schäffer, 1848, *Euchromius gratiocella* (Caradja,

1910), *Pediasia desertellus* (Lederer, 1855), *P. fascelinella* (Hübner, [1813]), *Chilo christophi* Bleszyński, 1965, *Mezolia alborzella* Bassi, 2013 and *Surattha stroliger* Rothschild, 1913 are not present in the this museum. Only four out of 36 Glaphyriinae species viz., *Crocidolomia pavonana* (Fabricius, 1794), *Evergestis affinis* Amsel, 1951, *E. boursini* Amsel, 1939 and *E. hyrcanalis* Amsel, 1961 cannot be found in HMIM and in Schoenobiinae all except *Scirpophaga innotata* (Walker, 1863) are present in the museum. Finally, eight out of 15 Iranian Scopariinae species, viz., *Eudonia pallida* (J. Curtis, 1827), *E. phaeoleuca* (Zeller, 1846), *E. piroformis* Amsel, 1949, *Iranarpia silacealis* Amsel, 1951, *Scoparia ambigualis* (Treitschke, 1829), *S. saerdabella* Osthelder, 1938, *S. basistrigalis* Knaggs, 1866 and *S. manifestella* (Herrich-Schäffer, 1848) are absent in the HMIM.

Some parts of this checklist are based on the results of MSc thesis of my students, Shirin Roohigohar and Masoumeh Khodadad which herewith I should thank them a lot. I would also particularly appreciate to Dr. Graziano Bassi (Avigliana, Italy), Dr. Mauro Gianti (Caraglio, Italy), Dr. Wolfgang Speidel (Zoologische Staatssammlung München, Munich, Germany), Dr. Francesca Vegliante (Senckenberg Naturhistorische Sammlungen Dresden, Germany), Dr. Robert Trusch (Staatliches Museum für Naturkunde Karlsruhe, Germany), Dr. Jan Asselbergs (Neerland, The Netherlands), Dr. Fuqiang Chen (Chinese Academy of Sciences, Beijing, China), Dr. Lauri Kaila and Dr. Jaakko Kullberg (University of Helsinki, Finnish Museum of Natural History, Helsinki, Finland) and Dr. Frantisek Slamka (Bratislava, Slovakia) for their valuable helps and comments during the study of Crambidae of Iran. My sincere thanks also goes to Hossein Falsafi (Iranian Research Institute of Plant Protection, IRIPP) for preparing the administrative divisions map of Iran, to Mahrokh Mozhdehi (IRIPP) for enlisting the data of

Crambinae, and to Mr. Hossein Falsafi, Mr. Mohammad Reza Nematian, and Mr Abolfazl Hajiesmailian (IRIPP) who spread the collected material carefully. I also thank to all my colleagues in the Iranian Research Institute of Plant Protection (IRIPP) who have collected the material from different parts of Iran.

I am grateful to the centres of the Department of Environment in Azarbaijan-e Sharghi, Bushehr, Golestan, Khorasan-e Razavi, Khorasan-e Shomali, Semnan, Kermanshah and Hamedan Provinces for getting permission of sampling in Golestan and Tandoreh National Parks and other protected areas in these provinces.

THE LIST OF LEPIDOPTERA FROM IRAN

Order: **Lepidoptera**

Superfamily: **Pyraloidea** Latreille, 1809

Family: **Crambidae** Latreille, 1810

Subfamily: **Acentropiinae** Stephens, 1836

Genus: *Elophila* Hübner, 1822

Elophila nymphaeata (Linnaeus, 1758)

Material examined:

Alborz:

Karaj: 10.IX.1969, one specimen without abdomen, leg.
Abāi.

Gilān:

Asālem: 29.IX.1970, 1 ♀, leg. Abāi; Parehsar,
14.V.1977, 1 ♀, leg. Abāi.

Bandar Anzali: 15.VII.1966, 10.VIII.1966, 2 ♀♀, leg.
Mirzāyāns; Bandar Anzali, 29.IX.1970, 1 ♀ and five
specimens without abdomen, leg. Ebert, Abāi.

Rasht: ?.VIII.1971, 30.V.1972, 2 ♀♀, leg. Shenāsi;
Sefidrud, 20.X.1973, 1 ♂ 1♀, leg. Shenāsi.

Golestān:

Āzādshahr: Kāshidar, 1250 m, 21.-22.VIII.1982, 1 ♀,
leg. Hāshemi.

Kermānshāh:

Ghasr-e Shirin: Nāser Ābād, 450 m, 17.VIII.1996, 1 ♀,
leg. V. Nazari, Parchami-Arāghi, Barāri.

Māzandarān

Tonekābon: 7.VIII.1971, 1 ♂, leg. Ghāzioff; Tonekābon, 11.VII.1974, 1 ♂ and one specimen without abdomen, leg. Abāi.

Zirāb: Palang Darreh, 540 m, 24.-25.VI.1977, 1 ♀, leg. Pāzuki, Mortazavilhā.

Genus: *Paraponyx* Hübner, 1825

***Paraponyx affinialis* Guenée, 1854**

Material examined.

Āzarbāijān-e Gharbi:

Miāndoāb: ?.VIII.1969, 1 ♂, leg. Javān-Moghaddam.

Chāhārmahāl va Bakhtiāri:

Shahrekord: Farah Shahr, 23.VII.1974, 2 ♀♀, leg. Hāshemi, Zairi.

Esfahān:

Semirom: Pādenā, Tang-e Nevel, 2200 m, 12.-13.IX.1991, one specimen without abdomen, leg. Ebrāhimi, Badii.

Fārs:

Eghlid: Kaftar Lake, 2200 m, 12.IX.1998, 1 ♀, leg. Manzari, Mofidi-Neyestānak.

Farāshband: Harāt Ābād, 770 m, 7.V.1985, 2 ♀♀, leg. Mirzāyāns, Hāshemi.

Firuzābād: Ghir, 1160 m, 11.IV.1975, one specimen without abdomen, leg. Borumand.

Jahrom: 1120 m, 11.V.1974, one specimen without abdomen, leg. Pāzuki, Abāi.

Kāzerun: 970 m, 10.X.1994, one specimen without abdomen, leg. Abāi; Dasht-e Arzhan, 1900 m, 14.IX.1974, 1 ♀, leg. Pāzuki, Hāshemi; Gāwkoshak, 1150 m, 18.V.1975, 4 ♀♀, leg. Pāzuki, Borumand; Nowdān, 1100 m, 13.IX.1974, 1 ♀, leg. Pāzuki, Hāshemi; Parishān Lake, 900 m, 5.VI.1990, 1 ♂ 1 ♀, leg. Ebrāhimi, Badii; Parishān Lake, 790 m, 1.18.X.1996, 7 ♀♀ and two specimens without abdomen, leg. Barāri, Parchami-Arāghi, Moghaddam.

Neyriz: Bakhtegān Lake, 1540 m, 31.V.1990, 6 ♀♀ and one specimen without abdomen, leg. Ebrāhimi, Badii.

Shirāz: 10 km. N. Sivand, 1700 m, 15.V.1974, 1 ♂ 4 ♀♀, leg. Pāzuki, Abāi; 10 km. N. Sivand, 1150 m, 15.V.1974, 1 ♂ 1 ♀, leg. Abāi, Pāzuki.

Hormozgān:

Dehbārez: 400 m, 4.IV.1973, 2 ♀♀, leg. Abāi.

Fin: Sarzeh, 260 m, 3.V.1995, 2 ♀♀, leg. Badii, Ardeh, V. Nazari.

Mināb: 23.IV.1971, 1 ♂ 2 ♀♀, leg. Safavi, Zairi; Mināb, 200 m, 3.IV.1973, one specimen without abdomen, leg. Abāi; Gurband, 50 m, 28.-31.XII.1999, 2 ♀♀, leg. Badii, Mofidi-Neyestānak; Hasanlengh, 24.-26.V.1973, 1 ♀, leg. Hāshemi, Zairi.

Kermānshāh:

Māhidāsht: Chāhārzebar-e Olyā, 1500 m, 21.VIII.1996, 1 ♀, leg. Parchami-Arāghi, Barāri, V. Nazari.

Ravānsar: Tālāb-e Hashilān (protected area), N 34° 34' 59.58", E 46° 52' 48.79", 1310 m, 17.VII.2014, 1 ♀, leg. Afsariān.

Khuzestān:

Ābādān: Minu Isl., 12 m, 11.V.1975, 12 ♂♂ 8 ♀♀ and one specimen without abdomen, leg. Pāzuki, Borumand; Minu Isl., 29.IV.1976, 17 ♂♂ 9 ♀♀ and seven specimens without abdomen, leg. Pāzuki, Abāi; Minu Isl., 50 m, 2.V.1995, 1 ♀, leg. Parchami-Arāghi, Ardeh, Badii; Minu Isl., 0 m, 4.III.1998, 6 ♂♂ 1 ♀ and one specimen without abdomen, leg. Barāri, Mofidi-Neyestānak, Āgh-Ātābāy.

Ahwāz: 7.IV.1974, 1 ♀, leg. Zairi; Mollāsāni, 40 m, 9.V.1975, 1 ♂ and one specimen without abdomen, leg. Pāzuki, Borumand; 14 km. S. Ahwāz, Hāmib, 30.IV.1976, 1 ♂ 1 ♀, leg. Pāzuki, Abāi; Albāji, 30 km. N. Ahwāz, 1.V.1976, one specimen without abdomen, leg. Pāzuki, Abāi.

Haft Tappeh: 70 m, 13.V.1975, 1 ♂ 3 ♀♀, leg. Pāzuki, Borumand; Haft Tappeh, 70 m, 26.IV.1976, 1 ♀ and one specimen without abdomen, leg. Pāzuki, Abāi; Haft Tappeh, 100 m, 5.V.1996, 5 ♀♀, leg. Sarafrāzi, Hāshemi.

Shādegān: 50 m, 17.XI.1995, one specimen without abdomen, leg. Badii, Mirzāyāns.

Shushtar: Kāroon Co., 10.VI.1998, 1 ♂ 1 ♀, leg. Ebrāhimi, Mofidi-Neyestānak.

Susangerd: Bostān, Chazzābeh, 20 m, 30.IV.1995, 8 ♀♀, leg. Parchami-Arāghi, Ardeh, Badii.

Kordestān:

Marivān: Kānisānān, 1320 m, 9.VIII.2004, 2 ♀♀, leg. Ghayurfar, Nematīān.

Māzandarān:

Bābolsar: 6.VII.1973, 2 ♀♀, leg. Sabzevāri; Bābolsar, Kālleh, 19.-21.VI.1989, 3 ♀♀ and one specimen without abdomen, leg. Pāzuki.

Marzan Ābād: 1 ♀, 400 m, 6.VII.1995, leg. Badii, Sarafrāzi, Linnavori.

Sistān va Baluchestān:

Chābahār: Tis, 6.-8.IV.1973, 1 ♀, leg. Safavi, Borumand.

Pishin: 267 m, 2.XI.2001, 8 ♀♀ and one specimen without abdomen, leg. Gilāsiān, Nematīān.

Zābol: 1.V.1959, 2 ♂♂ 18 ♀♀ and two specimens without abdomen, leg. Mirzāyāns; Khājeh Mt., 490 m, 3.-4.VI.1977, 4 ♂♂, leg. Safavi, Pāzuki, Abāi; Shib Āb, 1.V.1950, 6 ♀♀ and three specimens without abdomen, leg. Mirzāyāns.

***Paraponyx stratiotata* (Linnaeus, 1758)**

Material examined.

Āzarbāijān-e Gharbi:

Māku: Siāh Cheshmeh, Tāzeh Kand, 1700 m, 21.-22.VIII.1994, 1 ♀, leg. Ebrāhimi, Sarafrāzi.

Gilān:

Asālem: Parehsar, 14.V.1977, 1 ♂ 1 ♀, leg. Abāi.

Bandar Anzali: 2.VIII.1968, 1 ♀, leg. Abāi, Mojābi; Bandar Anzali, 12.VIII.1969,
1 ♀, leg. Mirzāyāns; Bandar Anzali, 29.IX.1970, 4 ♀♀, leg. Ebert, Abāi.

Rasht: 6, 7.VII.1971, 3 ♀♀, leg. Shenāsi.

Kermānshāh:

Kermānshāh: 18.VI.1975, 1 ♂, leg. Abāi.

Subfamily: **Crambinae** Latreille, 1810

Tribe: Crambini Latreille, 1810

Genus: *Agriphila* Hübner, [1825]

Agriphila bleszynskiella Amsel, 1967

Material examined:

Esfahān:

Semirom: Nogol, Pandenā, 2200 m, 15.IX.1998, 1 ♂, leg. Manzari, Mofidi-
Neyestānak.

Fārs:

Fasā: Miāndeh, 1060 m, 18.VIII.2007, 1 ♂, leg. Koohnavard; Zāhed Shahr,
Ghalāt, 1190 m, 16.IX.2007, 1 ♂ 1 ♀, leg. Koohnavard.

Neyriz- Sirjān Rd. (10 km.): 1950 m, 17.-18.X.1999, 1 ♂, leg. Barāri, Badii,
Mofidi-Neyestānak.

Shirāz, 1450 m, 12.X.1975, 1 ♂, leg. Abāi, Pāzuki.

Gilān:

Amārlu: 28.IX.1970, 1 ♂ and two specimens without abdomen, leg. Ebert, Abāi.

Khuzestān:

Ābādān: Minu Isl., 14.IV.2002, 1 ♂, leg. Ghayurfar.

Kohgiluyeh va Boyerahmad:

Yāsuj: Sisakht, Kuhgol, 2300 m, 14.IX.1998, 1 ♀, leg. Manzari, Mofidi-Neyestānak.

Lorestān:

Aznā: Sarvār, 1750 m, 5.X.1991, 3 ♂♂, leg. Hāshemi.

Māzandarān:

Baladeh: 1600 m, 21.IX.1987, 1 ♂, leg. Hāshemi; Yush, 1920 m, 13.IX.1996, 1 ♀ and one specimen without abdomen, leg. Badii, Ardeh, Hāshemi.

Polur: 22.IX.1970, 2200 m, 3 ♂♂ 2 ♀♀, leg. Abāi.

Tehrān:

Damāvand: 28.VII.1972, 1 ♂, leg. Ebrāhimi.

***Agriphila cyrenaicella* (Rogonot, 1987)**

Material examined:

Bushehr:

Bidkhun: Harrā forest, 0 m, 18.XI.1997, 1 ♂ 1 ♀, leg. V. Nazari, Barāri, Mofidi-Neyestānak.

Jam: 620 m, 19.XI.1997, 1 ♀, leg. Barāri, Mofidi-Neyestānak, V. Nazari.

Fārs:

Fasā: Ghāsem Ābād, 1180 m, 19.IX.2007, 1 ♀, leg. Koohnavard; Miāndeh, 1060 m, 18.VIII.2007, 1 ♀, leg. Koohnavard; Zāhed Shahr, 1190 m, 1.XI.2006, 11.IX.2007, 2 ♀♀, leg. Koohnavard; Zāhed Shahr, Ghalāt, 1190 m, 16.IX.2007, one specimen without abdomen, leg. Koohnavard.

Jahrom: Bāgh-e Nemuneh, 1060 m, 8.X.2007, 1 ♀, leg. Koohnavard.

Sarvestān: 1500 m, 21.X.1997, 4 ♀♀ and two specimens without abdomen, leg. Moghaddam, N. Nazari, Barāri.

Golestān:

Gorgān: Torkaman Sahrā, Ghalāgh Ghortā, 27.-28.IX.1992, 1 ♂ 1 ♀, leg. Ebrāhimi, Badii.

Hormozgān:

Bandar-e Khamir: 0 m, 25.XI.1999, 1 ♀, leg. Badii, Barāri, Mofidi-Neyestānak.

Kermān:

Bam: Dehbakry, 1850 m, 3.-4.X.1993, one specimen without abdomen, leg. Hāshemi, Ebrāhimi.

Jiroft: Narāb, 900 m, 15.-17.XI.1999, 1 ♂ 2 ♀♀, leg. Badii, Barāri, Mofidi-Neyestānak.

Khorāsān-e Razavi:

Mashhad: Torogh, 20.X.1971, 1 ♂, leg. Kalāli.

***Agriphila dalmatinellus* (Hampson, 1900)**

Material examined:

Āzarbāijān-e Gharbi:

Māku: Sangar vill. N 39° 18' 37.5", E 044° 26' 8.52", 1004 m, 16.IV.2011, 1 ♀, leg. Ālipanāh, Falsafi.

Poldasht- Māku Rd.: 20 km. to Māku, N 33° 15' 58.5", E 044° 41' 12", 996 m, 17.IX.2011, 1 ♀, leg. Ālipanāh, Falsafi.

Gilān:

Āstārā- Ardebil Rd.: Heyrān Mt. Pass, 1128 m, 10.IX.2004, 1 ♂ 1 ♀, leg. Moghaddam, Hājiesmailiān.

Amārlu: 28.IX.1970, 1 ♂, leg. Ebrāhimi, Abāi.

Asālem: 29.IX.1970, 1 ♂, leg. Abāi.

Bandar Anzali: 29.IX.1970, 2 ♂♂ and one specimen without abdomen, leg. Ebrāhimi, Abāi.

Golestān:

Gorgān: Marāveh Tappeh, Gavandar, 250 m, 30.IX.1992, one specimen without abdomen, leg. Ebrāhimi, Badii.

Khorāsān-e Razavi:

Neyshebūr: 23.IX.1972, 4 ♂♂, leg. Abāi, Pāzuki.

Māzandarān:

Chālakrud: Ekrāsar, 1650 m, 11.IX.1990, 2 ♀♀, leg. Ebrāhimi, Badii.

Agriphila deliella (Hübner, [1813])

Material examined:

Golestān:

Golestān National Park: Golzār, 840 m, 27.IX.2000, 1 ♂, leg. Ghayurfār, Gilāsiān;
Tang-e Gol, 620 m, 7.X.1994, 1 ♂ and one specimen without abdomen, leg.
Mirzāyāns, Badii, Ebrāhimi.

Khorāsān-e Shomāli:

Golestān National Park: Ālmeh, 1650 m, 2.-12.X.1988, 1 ♂, leg. Pāzuki; Ālmeh,
1700 m, 2.-3.X.1992, 1 ♂, leg. Ebrāhimi, Badii; Ālmeh, 1650 m, 3.-5.X.1994,
6 ♂♂, leg. Mirzāyāns, Badii, Ebrāhimi; Ālmeh, 1600 m, 30.IX.2000, 1 ♂, leg.
Ghayurfār, Gilāsiān; Sulgerd, Yākhti Kālān, 1600 m, 2.-6.X.1994, 2 ♂♂, leg.
Mirzāyāns, Ebrāhimi, Badii.

Māzandarān:

Gazanak: Malār, 2350 m, 11.-12.IX.1994, 9 ♂♂ and one specimen without
abdomen, leg. Hāshemi, Ardeh, Badii.

Agriphila inquinatella (Denis and Schiffermüller, [1775])

Material examined:

Āzarbāijān-e Sharghi:

Kaleybar: Arasbārān forest, Āsheghlu to Āinālu Rd., N 38° 55' 11", E 46° 47' 38",
1440 m, 28.VII.2007, 1 ♂, leg. Ālipanāh, Falsafī, Zahiri.

Fārs:

Estahbān: Koregarmedun, 1710 m, 20.X.1999, 1 ♂, leg. Badii, Barāri, Mofidi-
Neyestānak.

***Agriphila poliellus* (Tritschke, 1832)**

Material examined:

Māzandarān:

Gazanak: Malār, 2350 m, 11.-12.IX.1994, 6 ♂♂, leg. Hāshemi, Ardeh, Badii.

***Agriohila tersellus* (Lederer, 1855)**

Material examined:

Ardebil:

Moghān: 13.IX.1968, 1 ♀, leg. Arghand.

Āzarbāijān-e Gharbi:

Māku: Sangar vill., N 39° 18' 37.5", E 044° 26' 8.52", 1004 m, 16.IV.2011, 1 ♂,
leg. Ālipanāh, Falsafi.

Fārs:

Kāmfīruz: Tang- e Bostānak, 1680 m, 30.IX.1996, 1 ♀, leg. Barāri, Moghaddam,
Parchami-Arāghi.

Shirāz: Mahārlu Lake, 21.X.1999, 1 ♀, leg. Badii, Barāri, Mofidi-Neyestānak.

Khuzestān:

Ahwāz: 29.X.1959, 1 ♂, leg. Safavi.

Kohgiluyeh va Boyerahmad:

Yāsuj: Sisakht, 7.IX.1971, 2 ♂♂, leg. Borumand.

Tehrān:

Shahriār: 28.IX.1977, 1 ♂, leg. Rezvāni.

***Agriphila tristella* (Dens & Schiffermüller, [1775])**

Material examined:

Chāhārmahāl va Bakhtiāri:

Gandomān: Nasir Ābād, Bisheh, 2060 m, 6.IX.1997, 2 ♂♂, leg. Ebrāhimi, Badii.

Gilān:

Bandar Anzali: 29.IX.1970, one specimen without abdomen, leg. Ebrāhimi, Abāi.

Heyrān Mt. Pass Rd.: 1128 m, 10.IX.2004, 2 ♀♀, leg. Moghaddam, Hājiesmailiān.

Golestān:

Golestān National Park: Golzār, 840 m, 25.IX.2000, 2 ♂♂, leg. Ghayurfar, Gilāsiān.

Khorāsān-e Shomāli:

Golestān National Park: Ālmeh, Karkuli, 1650 m, 2.-4.IX.1987, 1 ♂, leg. Pāzuki.

Lorestān:

Aznā: Sarvār, 1750 m, 5.X.1997, 2 ♂♂, leg. Hāshemi.

Oshtorānkuh, 1800 m, 4.X.1971, 1 ♂, leg. Hāshemi.

Māzandarān:

Kordkuy: Rādkān, Jahān Namā, 1600 m, 24.IX.1992, 2 ♂♂, leg. Ebrāhimi, Badii.

Tehrān:

Shahriār: 28.IX.1977, 1 ♂, leg. Rezvāni.

Genus: *Amselia* Bleszyński, 1959

Amselia heringi Amsel, 1935

Material examined:

Bushehr:

Fārur Isl.: 20 m, 29.-30.XI.1998, 1 ♀, leg. Mofidi-Neyestānak, Barāri, Ghayurfar.

Hormozgān:

Bandar-e Khamir: 60 m, 10.III.1991, 1 ♀, leg. Mirzāyāns, Badii.

Gheshm Isl.: Dargāhān, 27.-28.II.1999, 1 ♂, leg. Ghayurfar, Manzari; Tulā, 50 m, 4.III.2002, 5 ♀♀ and two specimens without abdomen, leg. Sādeghi, Hājiesmailiān, Mofidi-Neyestānak.

Hormoz Isl.: 7.III.1999, 1 ♂, leg. Ghayurfar, Manzari.

Sirik: Geruk, 0 m, 6.-7.III.1995, one specimen without abdomen, leg. Badii, Sarafrāzi.

Kermān:

Jiroft: Kahnuj, Marz, 24 km. SE. Pimehjān, 860 m, 10.III.1978, 1 ♀, leg. Pāzuki.

Genus: *Catoptria* Hübner, [1825]

Catoptria colchicellus (Lederer, 1870)

Material examined.

Āzarbāijān-e Gharbi:

Māku: W. Māku, Ghezel Bolāgh, 27.VII.1976, 1 ♂ 1 ♀, leg. Pāzuki, Borumand.

Āzarbāijān-e Sharghi:

Kaleybar: Arasbārān Protected area, Vāyeghān, Tāzeh Kand vill., Tāzeh Kand Ranger Sta., N 38° 58' 56.0", E 46° 53' 23.8", 1204 m, 22.VI.2015, 1 ♂, leg. Hājiesmailiān, Nāserzādeh, Montreuil.

Catoptria dimorphellus (Staudinger, 1882)

Material examined:

Alborz:

Karaj: Kalhā, 2000 m, 25.-26.VIII.1996, 1 ♂ 1 ♀, leg. Barāri, Badii, Sarafrāzi.

Catoptria incertellus (Herrich-Schäffer, 1852)

Material examined:

Āzarbāijān-e Sharghi:

Kaleybar, Āinālu, N 38° 53' 17.9", E 046° 48' 03.2", 1463 m, 17.VIII.2014, 1 ♂, leg. Afsariān.

Gilān:

Āstārā- Ardebil Rd.: Meshend, Goudi Evlar vill., N 38° 23' 32", E 048° 35' 59.2", 488 m, 1.VIII.2008, 1 ♂, leg. Ālipanāh.

Golestān:

Golestān National Park: Tang-e Gol, N 37° 22' 14.7", E 055° 56' 00.0", 718 m,
6.IV.2009, 1 ♀, leg. Ālipanāh, Buszko.

Khorāsān-e Shomāli:

Golestān National Park: Sulgerd, 23.-24.VIII.1984, 1100 m, 1 ♀, leg. Mirzāyāns,
Borumand.

Māzandarān:

Kelārdasht: 22.VIII.1970, 1 ♂, leg. Safavi, Hāshemi; 12 km. N. Kelārdasht, S.
Abbās Ābād, 700 m, 28.IX.1981, 1 ♂, leg. Pāzuki; Tuydareh, Māzychāl, 1400
m, 24.V.2003, one specimen without abdomen, leg. Gilāsīān, Nematīān;
Vandārbon, 2100 m, 27.VI.1998, 1 ♂, leg. Mofidi-Neyestānak.

Rāmsar: Jannat Rudbār, N 36° 49' 9.84", E 50° 39' 49.74", 721 m, 4.VII.2011, 1
♂, leg. Ālipanāh, Nematīān.

Savādkuh: Polsefid, 500-800 m, ?.VII-?.IX.2006, one specimen without abdomen,
leg. K. Dab., P. Zehzād.

Tonekābon: Dohezār, 650 m, 30.V.2003, 2 ♂♂ and one specimen without
abdomen, leg. Gilāsīān, Hājiesmailiān.

***Catoptria pfeifferi* (Osthelder, 1938)**

Material examined:

Alborz:

Karaj: Dizin, 20.VIII.1978, 1 ♀, leg. Hāshemi, Zairi.

Māzandarān:

Tonekābon: 250 m, 22.VII.1980, 1 ♂, leg. Hāshemi, Zairi.

Tehrān:

Shemshak: 2700 m, 11.-12.VIII.1981, 1 ♂, leg. Hāshemi.

***Catoptria pinella* (Linnaeus, 1758)**

Material examined:

Ardebil:

Meshkin Shahr: Anzān, 1824 m, 14.VII.2013, N 38° 17' 35.0", E 47° 27' 05.2", 1 ♂, leg. Afsariān, Sarafrāzi.

Moghān: 15.VII.1967, 1 ♀, leg. Arghand.

Āzarbāijān-e Sharghi:

Kaleybar: N 38° 50' 33.9", E 047° 00.0' 28.3", 1791, 22.VIII.2014, 1 ♀, leg. Afsariān; Āinālu, Alhord, Arasbārān forest, 1440 m, N 38° 55' 1.1", E 40° 77' 38", 28.VII.2007, 1 ♀, leg. Zahiri, Falsafi, Ālipanāh; Āinālu, N 38° 53' 17.9", E 046° 48' 03.2", 1463 m, 17.VIII.2014, 1 ♂ 1 ♀, leg. Afsariān; Tāzeh Kand, 1200 m, 12.VIII.1992, 2 ♀♀, leg. Badii, Parchami-Arāghi; Vāyeghān, 1440 m, 5.-6.VIII.1992, 1 ♂ 2 ♀♀, leg. Parchami-Arāghi, Badii; Vināgh, 80 m, 7.VIII.1992, 1 ♀, leg. Parchami-Arāghi, Badii.

Gilān:

Asālem: 1250 m, 6.IX.1972, 1 ♀, 1 ♂ 3 ♀♀, leg. Borumand; Khārjegil, 180 m, 24.-25.VII.1994, leg. Sarafrāzi, Ebrāhimi; Kom, 150 m, 4.VIII.1975, 2 ♀♂ 1 ♀, leg. Mirzāyāns; Parehsar, 750 m, 13.VIII.1974, 2 ♂♂ 7 ♀♀ and two specimens without abdomen, leg. Mirzāyāns; 15 km. Asālem- Pisāson Rd., 230 m, 30.VIII.1975, 3 ♂♂ 1 ♀, leg. Mirzāyāns; Pisāson, 1300 m, 15.-16.VIII.1980, 1 ♂, leg. Pāzuki, Borumand; Shondol, 950 m, 9.VIII.1974, 1 ♂ 2 ♀♀, leg. Mirzāyāns, Farahbakhsh.

Āstārā- Ardebil Rd.: Meshend, Goudi Evlar vill., N 38° 23' 32.3", E 048° 35' 59.2", 488 m, 1.VIII.2008, 1 ♀, leg. Ālipanāh.

Āstārā- Namin Rd.: 10 km. W. Astārā, N 38° 26' 01.7", E 048° 46' 47.3", 97 m, 24.VII.2007, 5 ♂♂, leg. Zahiri, Ālipanāh.

Bandar Anzali: Punel, 30 km. S. Asālem, 250 m, 12.VIII.1974, 1 ♂ 3 ♀♀, leg. Mirzāyāns.

Deylamān: Khāsekhāni, 1250 m, 1.-3.VIII.1999, 1 ♂ 1 ♀, leg. Ebrāhimi, Badii, Mofidi-Neyestānak.

- Fuman: Gashtrudkhān, N 38° 15' 15.2", E 47° 23' 52.1", 295 m, 25.VI.2000, 1 ♂, leg. Ālipanāh, Nematiān,
- Māsāl: Olsblangāh, N 37° 18' 19.0", E 048° 59' 48.1", 770 m, 17.VIII.2013, 1 ♂, leg. Afsariān.
- Rasht: Māsuleh, 1400 m, 12.VIII.1991, 1 ♀ and one specimen without abdomen, leg. Hāshemi, Parchami-Arāghi.
- Rudsar: Rahim Ābād, Eshkevarāt, N 36° 52' 2.03", E 050° 10' 08.1", 1434 m, 16.VIII.2013, 2 ♀♀, leg. Afsariān; Rahim Ābād, Limā, Samāmus Mt., 1500-2000 m, 6.-7.VIII.1999, 1 ♂, leg. Ebrāhimi, Badii, Mofidi-Neyestānak.
- Shaft: Ahmad Gurāb, Siāhmezgi vill., N 39° 0.00' 54.86", E 49° 15' 7.95", 626 m, 23.VII.2010, 1 ♂, leg. Falsafi, Ālipanāh.
- Siāhkal- Deylamān Rd.: Tootaki vill., N 37° 3' 37.74", E 49° 50.56' 41", 464 m, 22.VII.2010, 7 ♂♂ and one specimen without abdomen, leg. Ālipanāh, Falsafi.
- Tālesh: 100 m, 13.-14.VIII.1991, 2 ♂♂ 4 ♀♀, leg. Hāshemi, Parchami-Arāghi; 15 km. Tālesh, Rek, 570 m, 31.VIII.1975, 7 ♂♂ 3 ♀♀ and one specimen without abdomen. leg. Mirzāyāns; Pilemberā, Visādār waterfall., N 37° 35' 24.6", E 048° 58' 19.7", 1621 m, 16.VIII.2014, 1 ♀, leg. Afsariān; Tulārud, N 39° 45' 12.2", E 48° 54' 50.6", 144 m, 17.VII.2013, 1 ♂ 1 ♀, leg. Afsariān, Sarafrazi.

Golestān:

- Golestān National Park: Dasht-e Shād, 1390 m, 25.-26.VII.1996, 1 ♀, leg. Ebrāhimi, V. Nazari; Ghushesh Cheshmeh, 1000 m, 29.VI.2001, one specimen without abdomen, leg. Ebrāhimi, Osten, Mofidi-Neyestānak; Koylar, 1150 m, 23.VII.1996, 1 ♀, leg. V. Nazari, Ebrāhimi; Koylar, 1350 m, 29.VII.2001, 1 ♂, leg. Gilāsiān, Moghaddam, Ghayurfar; Mazārli, 530 m, 19.-20.VI.1977, one specimen without abdomen, leg. Pāzuki, Abāi; Tang-e Gol, 600 m, 14.-15.VII.1985, one specimen, leg. Pāzuki; Tang-e Gol, 700 m, 24.-27.VII.1996, 4 ♂♂ 1 ♀ and one specimen without abdomen, leg. Ebrāhimi, V. Nazari; Tang-e Gol, 720 m, 20.VII.2001, 1 ♂, leg. Ghayurfar, Gilāsiān, Moghaddam;

Tang-e Gol, N 37° 22' 14.7", E 055° 56' 00.0", 718 m, 5.IV.2009, 1 ♂, leg. Ālipanāh, Buszko.

Gorgān: Ali Ābād, Kabudwāl, 200 m, 22.VIII.1983, 1 ♀, leg. Borumand, Pāzuki.

Shast Kolā, 500 m, 28.VII. 1996, 1 ♀, leg. Ebrāhimi, V. Nazari.

Māzandarān:

Āmol: Behak (S. Āmol), 500 m, 7.VIII.1980, 5 ♂♂ 5 ♀♀, leg. Pāzuki Borumand;

Chamestān- Vāz vill. Rd., N 36° 18' 51.7", E 052° 07' 17", 1761 m, 28.VI.2007, 1 ♀, leg. Ālipanāh, Nematīān; Āmol- Tehrān Rd., Archappeh, 8.VI.2005, 1 ♂ 1 ♀, leg. Nematīān, Ālipanāh, Sinaev.

Behshahr: Duk forest, 840 km, 23.VI.1977, 10 ♂♂ 5 ♀♀, leg. Pāzuki, Mortazavihā.

Kelārdasht: 24.VII.1980, 1 ♀, leg. Hāshemi, Zairi; Hasankeif, Tuydareh, 1420 m, 23.VII.2002, 1 ♂, leg. Moghaddam, Nematīān.

Polfesfid: Shurmast Lake, 890 m, 27.VI.2001, 1 ♀, leg. Osten, Ebrāhimi, Mofidi-Neyestānak.

Rāmsar: Javāherdeh, Dormod, 1100 m, 10.VII.2000, 3 ♀♀, leg. Barāri, Ebrāhimi, Mofidi-Neyestānak, Deuve; Javāherdeh, Eshkatechāl, 1152 m, 25.VII.2002, 1 ♂ 1 ♀ and one specimen without abdomen, leg. Nematīān.

Sāri: Amreh II vill., Amreh forest, 50 m, 10.VI.2005, 1 ♀, leg. Nematīān, Ālipanāh, Sinaev.

Sāri- Kiāsar Rd.: Saādat Mahalleh, 16.VII.2004, 1 ♀, leg. Moghaddam, Hājiesmailiān.

Tonekābon: Dohezār, 1000 m, 9.VI.2005, 1 ♂, leg. Nematīān, Ālipanāh, Sinaev; Dohezār, Asal Mahalleh, 400-1800 m, 9.VI.1999, one specimen without abdomen, leg. Mofidi-Neyestānak.

Zirāb: Palang Darreh, 540 m, 24-25.VI.1977, 1 ♂ 1 ♀ and one specimen without abdomen, leg. Pāzuki, Mortazavihā.

Zanjān:

Gilvān: Joodaki vill.- Jeysh Ābād vill. Rd., Bahrām Ābād, N 36° 49' 6.82", E 49° 13' 8.39", 1301 m, 20.VII.2010, 1 ♀, leg. Ālipanāh, Falsafi.

Tehem: Tāzeh Kand, N 36° 55' 25.6", E 048° 42' 51.4", 1433, 26.VI.2013, 1 ♀, leg. Afsariān.

Genus: *Chysocramboides* Bleszyński, 1957

Chysocramboides craterella (Scopoli, 1763)

Material examined:

Alborz:

Āsārā: 40 km. N. Karaj, 1850 m, 27.VI.1971, one specimen without abdomen, leg. Safavi, Borumand, Kāviān, Ghāzioff.

Karaj: Arangeh, 15.VI.1972, 5 ♂♂, leg. Mirzāyāns, Abāi, Kāviān, Ghāzioff.

Ārazbāijān-e Gharbi:

Orumiyeh: 1.-3.VI.1975, 1 ♂, leg. Abāi; Ghushchi, 9.VI.1975, leg. Abāi; 15 km. S. Orumiyeh, 2.IV.1975, 1 ♂ and one specimen without abdomen, leg. Abāi.

Fārs:

Kāzerun: Cheshmeh Nāri, 900 m, 6.V.1985, one specimen without abdomen, leg. Mirzāyāns, Hāshemi.

Golestān:

Golestān National Park: Tang-e Gol, 620 m, 23.-25.V.1986, 3 ♂♂, leg. Pāzuki; Tang-e Gol, 5.VII.1999, 1 ♂, leg. Moghaddam, Barāri, Manzari.

Shāhrud: Shāhkuh, 2750 m, 15.VI.1974, one specimen without abdomen, leg. Rajabi, Pāzuki.

Kermānshāh:

Eslām Ābād-e Gharb- Kerend Rd. (W.): Gahvāreh Rd., Jalilvand vill., 1750 m, 22.VI.2007, 1 ♂, leg. Zahiri, Nāserzādeh.

Khorāsān-e Shomāli:

Golestān National Park: Sulgerd, 1150 m, 7.V.1999, 4 ♂♂ 1 ♀, leg. Moghaddam, Barāri, Manzari.

Kohgiluyeh va Boyerahmad:

Yāsuj: Tolegorgi, 2000 m, 7.V.1985, 1 ♂, leg. Mirzāyāns, Hāshemi.

Tehrān:

Tehrān: Evin: 9.VI.1972, 1 ♂, leg. Anonymous.

Genus: *Chysocrambus* Bleszyński, 1957

Chysocrambus linetella (Fabricius, 1781)

Material examined:

Alborz:

Karaj: 16.V.1967, 1 ♂, leg. Rajabi; Āzādbar, 2250 m, 22.-28.VI.1994, 1 ♂, leg. Ebrāhimi, Badii; Āzādbar, 2400 m, 7.-9.VI.1995, 3 ♂♂ 1 ♀, leg. Sarafrazi, Badii, Linnavori; Āzādbar, 2300 m, 12.VII.1996, one specimen without abdomen, leg. Barāri, Badii; Arangeh, 1550 m, 15.VI.1972, 1 ♂, leg. Mirzāyāns, Abāi, Ghāzi-off; Arangeh, Sarziārat, 1750 m, 10.-11.VII.1996, 1 ♀, leg. Barāri, Badii; Kalvān, 2050 m, 25.VI.1991, 2 ♂♂, leg. Ebrāhimi, Badii.

Chālus: Kondor, 1850 m, 14.-15.VI.1992, 1 ♂, leg. Ebrāhimi, Badii.

Tāleghān: 5 km. W. Zidasht, 2200 m, 10.-12.VI.1977, 2 ♂♂, leg. Pāzuki, Mortazavihā.

Ardebil:

Ardebil: Sarein, Ardestān, 1700 m, 2.VII.1997, 17 ♂♂ and three specimens without abdomen, leg. Mofidi-Neyestānak, Barāri.

Khalkhāl: Almās Mt., Bachman, 1900 m, 30.VI.1997, one specimen without abdomen, leg. Barāri, Mofidi-Neyestānak; Almās Mt., 1900 m, 30.VI.1997, 4 ♂♂, leg. Barāri, Mofidi-Neyestānak; Almās Mt., 370 m, 25.VI.2002, 1 ♂, leg. Mofidi-Neyestānak, Montreuil, Deuve.

Meshkin Shar: 5 km. Pārs Ābād Rd., N 38° 25' 26.9", E 047° 41' 2.8", 34 m,
23.VII.2009, 1 ♀, leg. Manzari, Hājiesmailiān.

Moghān: 25.IV.1967, 1 ♂, leg. Damanābi.

Namin: 1850 m, 20.VI.2002, 1 ♂, leg. Hājiesmailiān, Mofidi-Neyestānak, Deuve,
Montreuil.

Sabalān: N 38° 21' 45.3", E 47° 51' 4.0", 2306 m, 13.VII.2013, 1 ♂, leg. Afsariān,
Sarafrāzi.

Āzarbāijān-e Gharbi:

Ghāsemli: 10.VI.1975, 2 ♀♀, leg. Abāi.

Orumiyeh: ?.V.1964, one specimen without abdomen, leg. Javān-Moghaddam;
Orumiyeh, 1.-3.VI.1975, 1 ♀, leg. Abāi; Ghāsemli, 10.VI.1975, 1 ♀, leg.
Abāi; 8 km. Band, 1450 m, 21.VII.1976, 1 ♂ and one specimen without
abdomen, leg. Pāzuki, Borumand.

Pirānshahr: 50 km. Sardasht, 1400 m, 16.VI.1975, 1 ♂, leg. Abāi; Pirānshahr,
19.VI.1975, 1 ♀, leg. Abāi.

Takāb: Takht-e Soleymān, N 36° 35' 40.0", E 67° 19' 43.15", 2528 m, 1.VII.2013,
1 ♂, leg. Afsariān.

Āzarbāijān-e Sharghi:

Bostān Ābād: Chini Bolāgh, 2300 m, 25.VI.1985, 1 ♂, leg. Mirzāyāns, Pāzuki.

Kaleybar: Arasbārān protected area, Vināgh, Tāzeh Kand, Tāzeh Kand Ranger
Sta., N 38° 58' 56.0", E 46° 53' 23.8", 1204 m, 22.VI.2015, 1 ♂ 1 ♀, leg.
Hājiesmailiān, Nāserzādeh, Montreuil; Daresi, 1780 m, 22.VI.2002, 1 ♂, leg.
Hājiesmailiān, Mofidi-Neyestānak, Montreuil.

Chāhārmahāl va Bakhtiāri:

Shalamzār (S.): Tang-e Chezghān, 2200 m, 11.VII.1982, 1 ♂, leg. Borumand,
Pāzuki.

Esfahān:

Khānsār: Golestān Kuh, 2700 m, 3.-4.VII.1983, 1 ♂, leg. Mirzāyāns, Borumand.

Gilān:

Āstārā: Fandogh Poshteh, 726 m, 18.VI.2001, 2 ♂♂, leg. Ghayurfar; Hazelnut Research Sta., N 37° 07' 32.8", E 049° 11' 19.4", 28 m, 30.VI.2008, 1 ♀, leg. Nematīān, Ālipanāh.

Asālam: Rahim Ābād, 15 km. W. Khalkhāl, 620 m, 26.VI.2003, 1 ♂, leg. Nāserzādeh, Moghaddam; Sheykh Mahal, 160 m, 23.-30.VI.1977, 4 ♂♂ 2 ♀♀ and one specimen without abdomen, leg. Pāzuki, Mortazavihā.

Eshkevar: Gilān Chākān, 1820 m, 27.VI.1997, 2 ♂♂ and one specimen without abdomen, leg. Barāri, Mofidi-Neyestānak.

Rasht: 8.VII.1971, 1 ♀ and one specimen without abdomen, leg. Shenāsi; Rasht, Sefidrūd, 10.X.1973, 1 ♂, leg. Shenāsi.

Kermānshah:

Ravānsar: 20.VI.1975, one specimen without abdomen, leg. Abāi.

Khorāsān-e Razavi:

Kāshmar: W. Kuh Sorkh, 2 km. Akbarābād, 2050 m, 6.VI.2005, and two specimens without abdomen, leg. Anonymous.

Khorāsān-e Shomāli:

Āshkhāneh: Mehmānak vill., N 37° 29' 36.5", E 056° 52' 27.6", 1040 m, 17.VI.2013, 1 ♂, leg. Ālipanāh, Falsafi.

Daregaz- Kalāt-e Nāder Rd.: Lāeen vill.- Khākestar vill. Rd., before Chāhārrāh vill., Hezār Masjed Mts, N 37° 02' 39.5", E 059° 26' 10.11", 1344 m, 27.VI.2014, 1 ♂, leg. Ālipanāh, Falsafi.

Esfarāyen- Jājarm Rd.: 21 km. W. Esfarāyen, Chāhārmārān, Sāluk protected area, N 37° 12' 23.6", E 057° 15' 25.7", 1463 m, 18.vi.2013, 1 ♂, leg. Ālipanāh, Falsafi

Zoskh: Binālud, 2000 m, 19.VI.1974, 1 ♂, leg. Rajabi, Pāzuki.

Kordestān:

Bāneh (23 km. NE.): Saghez- Bāneh Rd., 1750 m, 2.VII.1975, 1 ♀, Pāzuki.

Marivān (35 km. NE.): 1550 m, 8.-9.VII.1973, 1 ♀, Pāzuki.

Saghez (45 km. SW.): Saghez- Bāneh Rd., 2000 m, 30.VI.1975, 1 ♂, Pāzuki.

Sanandaj (28 km.): 1600 m, 16.VI.1975, 2 ♀♀, leg. Abāi.

Māzandarān:

Āmol: Chamestān (1km. after Jurabad), N 36° 41' 31.2", E 050° 50' 20.6", 441 m, 28.VI.2007, 1 ♂, leg. Ālipanāh.

Behshahr: Duk forest, 840 m, 23.VI.1977, 1 ♀, leg. Pāzuki, Mortazavihā; Behshahr, Pasand Research Sta., 5.VI.1981, 1 ♀, leg. Anonymous.

Kelārdasht: 981 m, 23.VI.2001, 5 ♂♂ 1 ♀ and four specimens without abdomen, leg. Ghayurfar.

Polsefid: Shurmast Lake, 890 m, 27.VI.2001, 1 ♂, leg. Osten, Ebrāhimi, Mofidi-Neyestānak.

Rāmsar: 9.VI.1973, 1 ♂, leg. Abāi.

Sari- Kordekhil Rd.: 45 m, 5.V.2000, 1 ♀, leg. Badii, Moghaddam, Mofidi-Neyestānak.

Tonekābon: Tonekābon Lab., ?.V.-?.VII.1983, one specimen without abdomen, leg. Rudsari; Dohezār, N 36° 40' 32.12", E 50° 49' 33.64", 422 m, 3.VII.2011, 2 ♂♂, leg. Nematian, Ālipanāh; Dohezār, Shāneh Tarāsh, N 36° 38' 45.17", E 50° 43' 24.47", 1621 m, 2.VII.2011, 1 ♂, one specimen without abdomen, leg. Nematian, Ālipanāh.

Markazi:

Āshtiān: Ahmad Ābād, 2200 m, 19.VII.1981, 1 ♂, leg. Pāzuki, Borumand.

Tehrān:

Damāvand: 1910 m, 28.V.1976, 1 ♂, leg. Rajabi; Ābsard, 1900 m, 3.-7.VII.1978, 1 ♀ and one specimen without abdomen, leg. Pāzuki, Sabzevāri.

Shahriār: 2.VI.1971, 1 ♂, leg. Anonymous.

Tehrān: Evin, 1600 m, 22.VI.1972, 1 ♂, leg. Anonymous.

Genus *Chrysoteuchia* Hübner, [1825]

Chrysoteuchia culmella (Linnaeus, 1758)

Material examined:

Zanjān:

Māhneshān: Damerlu Mt., N 36° 42' 11.4", E 47° 54' 12.1", 2212 m, 30.VII.2013,
2 ♂♂, leg. Afsariān.

Genus: *Crambus* Fabricius, 1798

Crambus perlella (Scopoli, 1963)

Material examined:

Ghom:

Fordu (8 km. S.): Vesf, 2320 m, 26.-28.VII.1983, 3 ♂♂ 1 ♀, leg. Pāzuki,
Hāshemi.

Gilān:

Māsāl: Shāl Rd., 2709 m, 17.VII.2005, N 37° 17' 40.8", E 48° 53' 38.7", 1 ♂ 1 ♀,
leg. Moghaddam, Hājiesmailiān.

Hamadān:

Barāt: 2350 m, 8.VIII.1997, 1 ♂, leg. Barāri, Mofidi-Neyestānak.
Hamadān: Tārikdarreh, 200 m, 26.VII.1987, one specimen without abdomen, leg.
Mirzāyāns, Hāshemi.

Kermān:

Jiroft: Dalfārd- Shingera Rd., 2650 m, 15.VI.1988, 2 ♂♂, leg. Hāshemi, Badii.

Khorāsān-e Razavi:

Mashhad: Zoshk, 16.I.1972, 1 ♀, leg. Shāhrokhi.

Kordestān:

Sharif Ābād: N 36° 01' 25.8", E 047° 39' 39.4", 1794 m, 7.VIII.2014, 1 ♀, leg.
Afsariān, Mozaffariān.

Māzandarān:

Rāmsar: 6 km. Javāherdeh, N 36° 54' 29.3", E 0.50° 31' 13.2", 554 m,
23.VII.2007, 3 ♂♂ and two specimens without abdomen, leg. Ālipanāh,
Zahiri.

Siāhbisheh- Yush Rd.: 3 km. Kamarbon vlli., N 36° 13' 51.7", E 051° 24' 45.3",
2557 m, 21.-22.VII.2007, 1 ♂, leg. Ālipanāh, Falsafi, Zahiri.

Genus: *Euchromius* Guenée, 1845

***Euchromius bella* (Hübner, 1796)**

Material examined:

Alborz:

Tāleghān: Kalānak, 1950 m, 22.VI.1994, 1 ♂, leg. Ebrāhimi; 8 km. W. Zidasht,
2200 m, 10.-13.VI.1977, 1 ♀, leg. Pāzuki, Mortazavihā.

Āzarbāijān-e Sharghi:

Marāgheh: 15.VI.1991, 1 ♂, leg. Hāshemi.

Chāhārmahāl va Bakhtiāri:

Shahrekord: 21.VII.1974, 1 ♂, leg. Hāshemi, Zairi.

Fārs:

Bamu: 1650 m, 13.-14.VI.1996, one specimen without abdomen, leg. Sarafrāzi,
Linnavori, Badii.

Mamasani: Nurābād, 15.VIII.1976, 1 ♀, leg. Abāi.

Safā Shahr: 2000 m, 15.VI.1996, one specimen without abdomen, leg. Sarafrāzi,
Badii.

Shirāz: Bāygāh, 29.V.1973, one specimen without abdomen, leg. Anonymous.

Sivand: 1700 m, 24.V.1995, 2 ♂♂, leg. Hāshemi, Badii, Sarafrāzi.

Ghazvin:

Ghazvin: Shingher, 1320 m, 7.VI.1995, 1 ♂, leg. Parchami-Arāghi, Ebrāhimi,
Ardeh.

Kermānshāh:

Ghasr-e Shirin: Sarmil, 27.VI.1968, 1 ♂ 1 ♀, leg. Dezfuliān, Irānshahr.

Kangāvar (5 km. E.): 1500 m, 29.VI.1972, 1 ♀, leg. Mirzāyāns, Abāi.

Kermānshāh: 18.VI.1975, 7 ♂♂ 2 ♀♀, leg. Abāi; Govāvar, 15.VI.1975, 3 ♂♂ 1 ♀, leg. Nuri.

Māhidash: Chāhārzebar-e Olyā, 1500 m, 14, 21.VIII.1996, 2 ♂♂, leg. Parchami-Arāghi, Barāri, V. Nazari.

Ravānsar: 20.VI.1975, 1 ♂ 1 ♀, leg. Abāi; Ravānsar, 22.VII.1978, one specimen without abdomen, leg. Hāshemi, Zairi.

Kordestān:

Saghez: Ziviyeh, N 36° 16' 40.2", E 046° 40' 37.2", 1593 m, 6.VIII.2014, 1 ♀, leg. Afsariān, Mozaffariān.

Tehrān:

Tehrān: Evin, 3.VII.1970, 8.VIII.1970, 20.V.1971, 1 ♂ 1 ♀ and one specimen without abdomen, leg. Anonymous.

Zanjān:

Bijār: 50 km. SW. Zanjān, 1700 m, 28.VI.1975, 1 ♀, leg. Pāzuki.

***Euchromius cambridgei* (Zeller, 1867)**

Material examined:

Āzarbāijān-e Gharbi:

Māku: Sangar vill., N 39° 18' 37.5", E 044° 26' 8.52", 1004 m, 16.IX.2011, one specimen without abdomen, leg. Ālipanāh, Falsafi.

Āzarbāijān-e Sharghi:

Tabriz- Ahar Rd.: Khājeh Markid vill. (Salt marsh), N 38° 10' 11", E 46° 48' 37", 1534 m, 30.IX.2008, 1 ♀, leg. Falsafi.

Bushehr:

Ahram: 100 m, 24.XI.1998, 1 ♀ and one specimen without abdomen, leg. Ghayurfar, Barāri, Mofidi-Neyestānak.

Kangān: 10 m, 25.XI.1998, 1 ♂ 1 ♀, leg. Ghayurfar, Barāri, Mofidi-Neyestānak.

Golestān:

Golestān National Park: Mazārli, 530 m, 19.-20.VI.1977, 1 ♀, leg. Pāzuki, Abāi.

Kalāleh- Marāveh Tappeh Rd.: Chātāl vill.- Goli Dāgh vill. Rd., N 37° 37' 50", E 055° 42' 14.5", 357 m, 15.VI.2013, 1 ♂ 1 ♀, leg. Ālipanāh, Falsafi.

Hormozgān:

Bandar Abbās: Sarkhun, 8.III.1972, 1 ♀, leg. Mirzāyāns, Borumand.

Dehbārez: 400 m, 4.IV.1973, 1 ♂ 2 ♀♀, leg. Abāi.

Isin: 6.III.1971, 1 ♀, leg. Pāzuki, Āyatollāhi; Isin, 3.III.1972, one specimen without abdomen, leg. Mirzāyāns, Borumand; Isin, 240 m, 5.IV.1973, 1 ♀ and one specimen without abdomen, leg. Abāi.

Jāsk- Bashāgard Rd. (30 km.): 20-100 m, 2.XII.1998, one specimen without abdomen, leg. Barāri, Mofidi-Neyestānak.

Lārak Isl.: 6.III.1999, 1 ♂ 1 ♀, leg. Ghayurfar, Manzari.

Mināb: 13.III.1971, one specimen without abdomen, leg. Pāzuki, Āyatollāhi; Mināb, 24.IV.1971, 1 ♀, leg. Safavi, Zairi; Mināb, 3.IV.1973, 200 m, 1 ♀, leg. Abāi; Gurband, 4.III.1972, 1 ♀, leg. Mirzāyāns, Borumand.

Sirik: 30 m, 19.III.1991, 1 ♂, leg. Mirzāyāns, Badii.

Khuzestān:

Ābādān: Minu Isl., 0 m, 4.III.1998, 1 ♂, leg. Barāri, Mofidi-Neyestānak, Āgh-Ātābay.

Sistān va Baluchestān:

Chābahār: Zar Ābād, 26.IV.2003, 2 ♀♀ and two specimens without abdomen, leg. Moghaddam, Serri.

***Euchromius jaxartella* (Erschoff, 1874)**

Material examined:

Āzarbāijān-e Gharbi:

Orumiyeh: 1.-3.VI.1975, 1 ♂ 1 ♀, leg. Abāi.

Takāb: Shāhindezh, Rd., N 36° 32' 19.17", E 46° 47' 43.9", 1521 m, 2.VII.2013,
one specimen without abdomen, leg. Afsariān.

Āzarbāijān-e Sharghi:

Aras dam: 780 m, 21.V.1997, 1 ♂, leg. Badii, Sarafrāzi, V. Nazari.

Golestān:

Golestān National Park: Mazārli, 530 m, 19.-20.VI.1977, 1 ♂ 1 ♀, leg. Pāzuki,
Abāi.

Gorgān: Incheh Borun, Dāneshmand, 0 m, 26.-27.IX.1992, 1 ♂, leg. Ebrāhimi,
Badii.

Khorāsān-e Razavi:

Mashhad: Mazār-e Āstān-e Ghods (unit 2), 280 m, 18.-20.IV.1997, 1 ♀, leg.
Badii, Barāri, Sarafrāzi.

Sabzevār (10 km. S.): Hāres Ābād, 940 m, 13.VI.1977, one specimen without
abdomen, leg. Pāzuki, Abāi.

Khuzestān:

Ābādān: Choebdeh, Bahmanshir river, N 30° 12' 26.8", E 048° 33' 42.6", 3 m,
13.V.2016, 2 ♂♂, leg. Afsariān,

Sistān va Baluchestān:

Sarāvān: Jālgh, 4.VI.1996, 2 ♂♂, leg. Mirzāyāns, Badii, Faghīh, Ebrāhimi.

Zanjān:

Darrām: Pāveh Rud, 497 m, N 37° 02' 58.2", E 48° 44' 46.4", 27.VI.2013, 2 ♂♂ 4
♀♀, leg. Afsariān.

***Euchromius keredjella* (Amsel, 1949)**

Material examined:

Alborz:

Tāleghān: 26.-31.VII.1976, 2 ♂♂, leg. Kāviān.

Chāhārmahāl va Bakhtiāri:

Lordegān: N 31° 32' 30", E 050° 57' 16.92", 2352 m, 15.VIII.2010, 1 ♂, leg.
Ālipanāh, Nematīān.

Hormozgān:

Dehbārez: 400 m, 4.IV.1973, 1 ♀, leg. Abāi.

Mināb: 150 m, 1.IV.1973, 3 ♂♂ and one specimen without abdomen, leg. Abāi.

Kermān:

Bāft: Darreh Pahn, 1750 m, 21.V.1977, one specimen without abdomen, leg.
Safavi, Pāzuki, Abāi.

Kermānshāh:

Kangāvar (5 km. E.): 29.VI.1972, 1500 m, one specimen without abdomen, leg.
Mirzāyāns, Abāi.

***Euchromius malekalis* Amsel, 1961**

Material examined:

Hormozgān:

Bastak: Moghdoon, 428 m, N 27° 12' 24.3", E 54° 20' 25.9", 1 ♂, leg. Falsafi.

Hāji Ābād: 18.X.1999, 1 ♀, leg. Seifi.

Sistān va Baluchestān:

Khāsh: 11 km. NE. Kārvāndar, 1300 m, 13.V.1972, one specimen without
abdomen, one specimen without abdomen, leg. Abāi, Ebert.

***Euchromius ocella* (Haworrh, 1811)**

Material examined:

Alborz:

Karaj: 5.VI.1969, 12.VI.1974, 2 ♂♂, leg. Abāi; Baraghān, 1400 m, 21.X.1991, 1
♀, leg. Ebrāhimi, Badii; Eshtehārd, 980 m, 20.-21.X.1991, 1 ♂ 1 ♀, leg. Ebrāhimi,
Badii.

Ardebil:

Khalkhāl: Hashtchin- Khalkhāl Rd., N 37° 26' 54.5", E 48° 54' 50.6", 837 m,
16.VIII.2013, 1 ♀, leg. Sarafrāzi, Afsariān.

Moghān: 15.VII.1967, one specimen without abdomen, leg. Arghand; Moghān,
25.VIII.1967, 3 ♂♂ 1 ♀, leg. Arghand; Moghān, 20.V.1968, 1 ♂, leg. Abāi;
Moghān, 22.V.1969, 4 ♀♀, leg. Arghand; Moghān, 9.V.1969, 1 ♂, leg. Abāi.

Pārs Ābād: 9.V.1969, leg. Abāi; Pārs Ābād, 80 m, 18.V.2004, 3 ♂♂ and one
specimen without abdomen, leg. Ghayurfar, Gilāsiān; Pārs Ābād, Moghān
Agricultural field, N 37° 35' 41.0", E 48° 37' 45.3", 70 m, 18.VI.2007, 1 ♀,
leg. Zahiri, Mozaffariān; Oltān, 60 m, 27.VII.2010, 3 ♂♂ 5 ♀♀, leg. Khāni,
Mofidi-Neyestānak; Oltān, 80 m, 1.IX.2010, 1 ♂ 1 ♀, leg. Khāni, Mofidi-
Neyestānak.

Āzarbāijān-e Gharbi:

نشانی: مؤسسه تحقیقات گیاهپزشکی کشور - صندوق پستی ۱۴۵۴-۱۹۳۹۵
تلفن: ۲۲۴۰۳۳۲۶ و ۱۶-۲۲۴۰۳۰۱۲ (۰۲۱) فاکس: ۲۲۴۰۳۶۹۱- (۰۲۱)

وزارت جهاد کشاورزی
سازمان تحقیقات، آموزش و ترویج
کشاورزی

مؤسسه تحقیقات گیاهپزشکی کشور
بخش تحقیقات رده‌بندی حشرات
نشریه شماره ۲۱

حشرات ایران:

فهرست بال پولک داران موجود در موزه حشرات هایک میرزایانس

مؤسسه تحقیقات گیاه پزشکی کشور

**Family: Crambidae (Acentropiinae, Crambinae, Glaphyriinae, Schoenobiinae,
Scopariinae)**

از:

هلن عالی پناه

۱۳۹۷