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**AN UPDATED CHECKLIST OF IRANIAN THRIPS (INSECTA:
THYSANOPTERA)**

M. Mirab-balou

*Department of Plant Protection, College of Agriculture, Ilam University, 69315–516, Iran.
E-mail: m.mirabbalou@ilam.ac.ir; majid.mirab@gmail.com*

Summary. An updated checklist of Thysanoptera from Iran is provided. The closing date for publications included in this list was 30 April 2018. In total 270 species in 82 genera are listed, of which there are 211 species in the suborder Terebrantia, comprising 171 species in 53 genera in family Thripidae, 31 species in four genera in Aeolothripidae, eight species in two genera in Melanthripidae, and one species in Stenurothripidae. In the suborder Tubulifera 59 species in 22 genera are listed in the single family Phlaeothripidae.

Key words: Thysanoptera, Terebrantia, Tubulifera, thrips, fauna, Iran.

**М. Мираб-балу. Обновленный список трипсов (Insecta: Thysanoptera)
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Резюме. Приводится обновленный список трипсов Ирана, отмеченных отсюда на 30 апреля 2018 г. Всего из Ирана известно 270 видов из 82 родов, из них 211 видов относятся к подотряду Terebrantia, в том числе 171 вид из 53 родов семейства Thripidae, 31 вид из 4 родов семейства Aeolothripidae, 8 видов из 2 родов семейства Melanthripidae и 1 вид семейства Stenurothripidae. Подотряд представлен Tubulifera 59 видами из 22 родов, относящихся к семейству Phlaeothripidae.

INTRODUCTION

More than 6000 species of Thysanoptera are known from the world. These are classified into two suborders Terebrantia and Tubulifera, comprising nine families, of which eight families belong to Terebrantia and one family belongs to Tubulifera (see Mirab-balou *et al.*, 2011: 720–721). The Terebrantia comprise 2500 species, whereas the Tubulifera include 3600 species from all over the world (ThripsWiki, 2018).

The first checklist of Thysanoptera in Iran was provided by Bhatti *et al.* (2009) with 177 species (132 species in Terebrantia, and 45 species in Tubulifera). The last checklist of thrips from Iran was published by Mirab-balou (2013a) including 217 species in 74 genera; and at the same time, Minaei (2013a) published a checklist of Iranian thrips including 201 species in 70 genera. Several papers have appeared on the taxonomy and faunistics of these insects in Iran, chiefly from the following authors: Majid Mirab-balou and associates at Ilam University (Ilam prov.), Kambiz Minaei and associates at Shiraz University (Fars prov.), and Jalil Alavi and associates at Ferdowsi University (Khorasan-e-Razavi prov.). Further Mirab-balou

(2013a,b; 2014a,b; 2015; 2016a,b,c,d,e; 2018), Mirab-balou *et al.* (2013, 2014a,b,c,d, 2015, 2016), Mirab-balou & Chen (2015), Mirab-balou & Dosty (2015, 2016), Mirab-balou & Modarres Najafabadi (2015), Mirab-balou *et al.* (2015), Mirab-balou *et al.* (2017), Alavi *et al.* (2013a,b, 2014, 2015, 2016, 2018), Jahangiri Sisakht *et al.* (2013), Gholami *et al.* (2014), Fekrat & Manzari (2014a,b), Poorkashkooli *et al.* (2015), Fekrat *et al.* (2016), Miramirkhani *et al.* (2016), Mombeini *et al.* (2017), Minaei (2013b,c, 2014a,b, 2015a,b,c, 2016a,b, 2017a,b), Minaei *et al.* (2014, 2016a,b, 2017), Minaei & Mound (2014a,b, 2015, 2018), Minaei & Abdollahi (2015), Minaei & Afsharizadeh Bami (2017), Minaei & Alavi (2017) are some of the major studies which have substantially added a number of species to the Thysanoptera from Iran. These studies have substantially increased the number of species known from Iran, totaling 270 species in 82 genera belonging to five families, adding 61 species and eight genera to the last published checklist from Iran by Mirab-balou (2013a).

Iran situated in the Palaearctic faunal region (Fig. 1), and straddles the division between the western and eastern Palaearctic subregions. Iran has a land area of 1,648,184 km². It is bordered by Iraq, Turkey, Armenia, Azerbaijan, Turkmenistan, Afghanistan and Pakistan, and also has over 2000 km of southern coastline, two-thirds facing the Persian Gulf and the remainder lying east of the Strait of Hormoz in the Gulf of Oman.

MATERIALS AND METHODS

The list below is based on the collection data of the author and his study on this group of insects from 2008 to 2018 and includes earlier records from other publications. All the Iranian taxa are listed here with records of distribution in provinces of Iran.



Fig. 1 Map of Iran.

Full synonymies for the names listed here are available on the web (ThripsWiki). Distribution records of species are based on Bhatti *et al.* (2009), Mirab-balou (2013a), and recent publications of thrips. The symbol (*) indicates recorded species after Mirab-balou (2013) and new distributional record from different geographical part of Iran for the species.

LIST OF IRANIAN THRIPS

The present checklist comprises 211 species of Terebrantia in 60 genera belonging to four families: Aeolothripidae, Melanthripidae, Stenurothripidae and Thripidae; and 59 species in 22 genera of family Phlaeothripidae in Tubulifera.

I. SUBORDER TEREBRANTIA HALIDAY, 1836

This suborder included eight families in the world (Bhatti, 1990; Mound, 2011a), of which the following four families are known from Iran: Aeolothripidae, Melanthripidae, Stenurothripidae, and Thripidae. Among them, Thripidae is the largest family including most of the important species. Terebrantian species are largely phytophagous, feeding in flowers and on leaves.

I.1. FAMILY AEOLOTHRIPIDAE UZEL, 1895

The family Aeolothripidae includes 207 extant species in 24 genera (ThripsWiki, 2018), of which 31 species belonging to four genera has been recorded in Iran. Adults and larvae of many species in this family appear to be facultative predators of other small arthropods, and they feed on both floral tissues as well as on thrips and mites that live in flowers (Tyagi *et al.*, 2008); whereas in the warmer parts of the world, a considerable number of species are obligate predators. Amongst Iranian Aeolothripidae, species of the genus *Aeolothrips* are widely distributed.

Genus *Aeolothrips* Haliday, 1836

1. *Aeolothrips afghanus* Jenser, 1984
DISTRIBUTION. Iran (Kerman, Isfahan); Afghanistan.
2. *Aeolothrips albicinctus* Haliday, 1836
DISTRIBUTION. Iran (Hamedan, Alborz, Qazvin*); China, Mongolia, Europe, North America.
3. *Aeolothrips albithorax* Pelikan, 1964*
DISTRIBUTION. Iran (Khorasan-e Shomali*); Tadjikistan.
NOTE. Added by Alavi *et al.* (2016) for fauna of Iran.
4. *Aeolothrips bhattii* Alavi et Manzari, 2015*
DISTRIBUTION. Iran (Khorasan-e Shomali*
NOTE. Described by Alavi *et al.* (2015) from Iran.
5. *Aeolothrips collaris* Priesner, 1919
DISTRIBUTION. Iran (Fars, Khuzestan, Kerman, Isfahan, Khorasan-e-Shomali, Golestan, Guilan, Azarbaijan-e-Gharbi*, Alborz, Hamedan, Qazvin*); China, India, France, Albania, Egypt, Cyprus, Canary Islands, Mongolia, Bangladesh.
6. *Aeolothrips cursor* Priesner, 1939
DISTRIBUTION. Iran (Hamedan); Cyprus, Italy, France, Spain, Crimen, Turkey, Greece, Albania.
7. *Aeolothrips deserticola* Priesner, 1929
DISTRIBUTION. Iran (Khuzestan, Hamedan); Egypt, Israel, Morocco, Canary Islands.
8. *Aeolothrips eremicola* Priesner, 1938
DISTRIBUTION. Iran (Sistan and Baluchestan, Azarbaijan-e-Gharbi*); Egypt, China.
NOTE. First recorded of male from Iran by Alavi *et al.* (2013a).

9. ***Aeolothrips ericae* Bagnall, 1920***
 DISTRIBUTION. Iran (Khorasan-e Shomali*); Widespread in western Europe.
 NOTE. Added by Alavi et al. (2016) for fauna of Iran.
10. ***Aeolothrips fasciatus* (Linnaeus, 1758)**
 DISTRIBUTION. Iran (Isfahan, Fars, Kerman, Yazd, Hamedan, Alborz, Azarbaijan-e-Sharghi, Kermanshah, Azarbaijan-e-Gharbi, Ghom, Lorestan, Zanjan, Markazi, Ardabil, Chehar Mahal Bakhtiari, Kohgiluyeh and Boyer-Ahmad*, Qazvin*); China, Japan, North Korea, Mongolia, Europe.
11. ***Aeolothrips gloriosus* Bagnall, 1914**
 DISTRIBUTION. Iran (Hamedan, Zanjan, Khorasan-e-Razavi*); Italy.
12. ***Aeolothrips gundeliae* Alavi et Manzari, 2016***
 DISTRIBUTION. Iran (Khorasan-e Shomali*
 NOTE. Described by Alavi *et al.* (2016) from Iran.
13. ***Aeolothrips heinzi* zur Strassen, 1990**
 DISTRIBUTION. Iran (Kerman); Turkey.
14. ***Aeolothrips intermedius* Bagnall, 1934**
 DISTRIBUTION. Iran (Isfahan, Khuzestan, Yazd, Kerman, Fars, Golestan, Tehran, Alborz, Guilan, Zanjan, Azarbaijan -e- Sharghi, Azarbaijan -e- Gharbi, Qazvin, Hamedan, Kermanshah, Kordestan, Kohgiluyeh and Boyer-Ahmad*, Markazi*, Ilam*); China, Europe.
 NOTE. Commonly misidentified as *Aeolothrips fasciatus*.
15. ***Aeolothrips iranica* Minaei, 2015***
 DISTRIBUTION. Iran (Fars*
 NOTE. Described by Minaei (2015a) from Iran.
16. ***Aeolothrips laurencei* Alavi et Manzari, 2015***
 DISTRIBUTION. Iran (Khorasan-e Shomali*
 NOTE. Described by Alavi *et al.* (2015) from Iran.
17. ***Aeolothrips melaleucus* (Haliday, 1852)***
 DISTRIBUTION. Iran (Fars*
 NOTE. Added by Minaei (2014a) for fauna of Iran.
18. ***Aeolothrips modestus* zur Strassen, 1966**
 DISTRIBUTION. Iran (Fars); Canary Islands.
19. ***Aeolothrips mongolicus* Pelikán, 1985**
 DISTRIBUTION. Iran (Khuzestan, Golestan, Khorasan-e-Shomali, Fars, Kohgiluyeh and Boyer-Ahmad*, Khorasan-e-Razavi*, Sistan and Baluchestan*); China, Mongolia.
20. ***Aeolothrips montivagus* Priesner, 1948**
 DISTRIBUTION. Iran (Hamedan, Ilam*); Cyprus, Turkey.
21. ***Aeolothrips neyrizi* Minaei et Alavi, 2017***
 DISTRIBUTION. Iran (Fars*
 NOTE. Described by Minaei & Alavi (2017) from Iran.
22. ***Aeolothrips tenuicornis* Bagnall, 1926**
 DISTRIBUTION. Iran (Tehran, Ghom, Fars, Khuzestan, Golestan, Kohgiluyeh and Boyer-Ahmad*); Morocco, England.
23. ***Aeolothrips versicolor* Uzel, 1895**
 DISTRIBUTION. Iran (Fars, Hamedan, Khorasan-e-Razavi*); England, Russia, Hungary, Czechoslovakia, Yugoslavia, Finland, Norway, North America.
24. ***Aeolothrips wittmeri* Priesner, 1935**
 DISTRIBUTION. Iran (Fars); Egypt.
25. ***Aeolothrips zurstrasseni* Minaei, 2013**
 DISTRIBUTION. Iran (Fars).

Genus *Indothrips* Bhatti, 1967

26. *Indothrips bhushani* Bhatti, 1967

DISTRIBUTION. Iran (Khuzestan); India.

Genus *Orothrips* Moulton, 1907

27. *Orothrips priesneri* (Titschack, 1958)

DISTRIBUTION. Iran (Fars); Turkey, Southern Italy, Czech Republic, South of France, Spain (Aragon, Andalusia).

Genus *Rhipidothrips* Uzel, 1895

28. *Rhipidothrips brunneus* Williams, 1913

DISTRIBUTION. Iran (Golestan, Khuzestan, Hamedan, Azarbaijan-e-Sharghi); Wide-spread across Western Europe to Egypt, also Western Australia and California.

29. *Rhipidothrips flavus* Tunç, 1991

DISTRIBUTION. Iran (Golestan, Hamedan); Turkey.

30. *Rhipidothrips graciosus* Uzel, 1895

DISTRIBUTION. Iran (Azarbaijan-e-Sharghi, Fars, Kerman, Golestan, Hamedan); Southern areas of the western Palaearctic, and California.

31. *Rhipidothrips unicolor* zur Strassen, 1965

DISTRIBUTION. Iran (Khuzestan); Canary Islands.

I.2. FAMILY MELANTHRIPIDAE BAGNALL, 1913

The family Melanthripidae includes 67 extant species in four genera, of which *Melanthrips* with 36 species is the largest (ThripsWiki, 2018). In Iran, eight species in two genera have been recorded.

Genus *Ankothrips* Crawford, 1909

32. *Ankothrips zayandicus* Minaei, Haftbaradaran et Mound, 2012

DISTRIBUTION. Iran (Isfahan).

Genus *Melanthrips* Haliday, 1836

33. *Melanthrips fuscus* (Sulzer, 1776)

DISTRIBUTION. Iran (Golestan, Khuzestan, Kerman, Fars, Alborz, Hamedan, Ilam*, Qazvin*, Lorestan*); China, North Africa, Cyprus, Palestine, Egypt, Europe.

34. *Melanthrips hamedanensis* Mirab-balou, 2015*

DISTRIBUTION. Iran (Hamedan).

NOTE. Described by Mirab-balou (2015) from Iran.

35. *Melanthrips hei* Mirab-balou et Chen, 2012

DISTRIBUTION. Iran (Hamedan, Kermanshah).

36. *Melanthrips knechteli* Priesner, 1936

DISTRIBUTION. Iran (Hamedan, Ilam*, Kermanshah, Golestan, Qazvin*, Markazi*); Turkey, Bulgaria, Romania, Albania, Czech Republic, Spain.

37. *Melanthrips pallidior* Priesner, 1919

DISTRIBUTION. Iran (Golestan, Khorasan-e-Shomali, Khuzestan, Tehran, Alborz, Kerman, Azarbaijan-e-Gharbi*, Hamedan, Kermanshah, Ilam*, Markazi*, Lorestan*); China, Russia, Turkey, Palestine, Cyprus, Italy, Albania, Yugoslavia, Bulgaria, Switzerland, Romania, Austria, Slovakia, Germany and North Africa.

38. *Melanthrips rivnayi* Priesner, 1936

DISTRIBUTION. Iran (Fars); Turkey, Israel, Slovenia, Italy, Southern France, Spain.

39. *Melanthrips separandus* Priesner, 1936

DISTRIBUTION. Iran (Fars, Hamedan, Qazvin, Azarbaijan-e-Gharbi, Azarbaijan-e-Sharghi, Ardabil, Chehar-Mahal Bakhtiari, Ghom, Lorestan, Markazi, Kermanshah, Ilam*); Turkey, Israel, probably Eastern Mediterranean.

I.3. FAMILY STENUROTHRIPIDAE BAGNALL, 1923

The family Stenurothripidae includes six extant species in three genera (ThripsWiki, 2018). In Iran, eight species in two genera have been recorded. The three extant genera of this family occur in California and in the Mediterranean region through to India (Mound and Marullo 1999). Only one species is recorded in Iran.

Genus *Holarthrothrips* Bagnall, 1924

40. *Holarthrothrips josephi* Bhatti, 1968

DISTRIBUTION. Iran (Kerman); India.

I.4. FAMILY THRIPIDAE STEPHENS, 1829

The family Thripidae with rather more than 2100 species is the second largest family of Thysanoptera (ThripsWiki, 2018). Most of species are phytophagous on higher plants, with a few species on ferns, and a few are obligate predators (Mound, 2011b). This family divided into four subfamilies, i.e., Dendrothripinae, Panchaetothripinae, Sericothripinae, and Thripinae (Bhatti, 1989). Amongst them, the Thripinae is the largest group and most of them feed either on plant leaves or on flowers, many being pests, but a few species are predatory. In Iran, 171 species in 53 genera of this family has been recorded.

I.4.1. SUBFAMILY DENDROTHRIPINAE PRIESNER, 1925

Genus *Dendrothrips* Uzel, 1895

41. *Dendrothrips aspersus* Bhatti, 1971*

DISTRIBUTION. Iran (Fars*); India.

NOTE. Added by Minaei (2015c) for fauna of Iran, and male was described by Minaei (2017a).

42. *Dendrothrips degeeri* Uzel, 1895

DISTRIBUTION. Iran (Khorasan-e-Shomali); Europe, Turkey.

43. *Dendrothrips jasminum* Ramakrishna et Margabandhu, 1939*

DISTRIBUTION. Iran (Qazvin*); India.

NOTE. Added by Mirab-balou & Dosty (2015) for fauna of Iran.

44. *Dendrothrips karnyi* Priesner, 1921

DISTRIBUTION. Iran (Khuzestan); Turkey, Poland, Yugoslavia, Italy.

45. *Dendrothrips phyllireae* (Bagnall, 1927)

DISTRIBUTION. Iran (Golestan, Qazvin*); Europe, Morocco, Israel.

46. *Dendrothrips saltator* Uzel, 1895

DISTRIBUTION. Iran (Kerman, Hamedan, Khorasan-e-Shomali, Azarbaijan-e-Gharbi*, Khuzestan, Khorasan-e-Razavi*); Europe, Siberia, North-West India.

Genus *Iranodendrothrips* Alavi et Fekrat, 2014*

47. *Iranodendrothrips kamalii* Alavi et Fekrat, 2014*

DISTRIBUTION. Iran (Khorasan-e Shomali*).

NOTE. Both genus and species described by Alavi *et al.* (2014) from Iran.

Genus *Pseudodendrothrips* Schmutz, 1913

48. *Pseudodendrothrips mori* (Niwa, 1908)

DISTRIBUTION. Iran (Guilan, Hamedan, Alborz, Kordestan, Azarbaijan-e-Gharbi); China, Korea, Japan, USA, Australia, Italy, Chile.

I.4.2. SUBFAMILY PANCHAETOTHRIPINAE BAGNALL, 1912

Genus *Caliothrips* Daniel, 1904

49. *Caliothrips graminicola* (Bagnall et Cameron, 1932)

DISTRIBUTION. Iran (Kerman, Khuzestan); India, Sudan, Sri Lanka, Thailand, South Africa, Australia.

50. *Caliothrips impurus* (Priesner, 1928)
DISTRIBUTION. Iran (Kerman); Nigeria, Sudan, Gambia, Eritrea, India.
Genus *Heliothrips* Haliday, 1836
51. *Heliothrips haemorrhoidalis* (Bouché, 1833)
DISTRIBUTION. Iran (Mazandaran, Guilan, Kordestan, Qazvin*); widely distributed.
Genus *Parthenothrips* Uzel, 1895
52. *Parthenothrips dracaenae* (Heeger, 1854)
DISTRIBUTION. Iran (Azarbaijan-e-Sharghi); Europe.
Genus *Phibalothrips* Hood, 1918*
53. *Phibalothrips peringueyi* Faure, 1925*
DISTRIBUTION. Iran (Kerman*); South Africa, Taiwan, China, India, Japan.
NOTE. Both genus and species added by Minaei and Afsharizadeh Bami (2017) for Iran.
Genus *Retithrips* Marchal, 1910
54. *Retithrips syriacus* Mayet, 1890
DISTRIBUTION. Iran (Khuzestan, Fars, Kerman); Brazil, Egypt, Ghana, India, Israel, Kenya, Lebanon, Libya, Somalia, Sudan, Syria, Tanzania, Uganda, USA, Puerto Rico.
Genus *Rhipiphorothrips* Morgan, 1913
55. *Rhipiphorothrips cruentatus* Hood, 1919
DISTRIBUTION. Iran (Khuzestan); China, Afghanistan, Burma, West Bengal, Myanmar, Oman, India, Sri Lanka, Pakistan, Bangladesh.
Genus *Selenothrips* Karny, 1911
56. *Selenothrips rubrocinctus* (Giard, 1901)
DISTRIBUTION. Iran (Kordestan); widespread in tropics.
- I.4.3. SUBFAMILY SERICOTHRIPINAE KARNY, 1921**
- Genus *Hydatothrips* Karny, 1913**
57. *Hydatothrips abdominalis* Kurosawa, 1973
DISTRIBUTION. Iran (Kordestan); Japan, Korea, China.
Genus *Neohydatothrips* John, 1929
58. *Neohydatothrips amygdali* Minaei, 2016*
DISTRIBUTION. Iran (Fars*);
NOTE. Described by Minaei (2016a) from Iran.
59. *Neohydatothrips abnormis* (Karny, 1910)*
DISTRIBUTION. Iran (Kohgiluyeh and Boyer-Ahmad*); Austria.
NOTE. Added by Minaei (2016b) for fauna of Iran.
60. *Neohydatothrips gracilipes* Hood, 1924
DISTRIBUTION. Iran (Alborz, Qazvin*); Mexico, China (Taiwan).
61. *Neohydatothrips gracilicornis* (Williams, 1916)
DISTRIBUTION. Iran (Tehran, Zanjan, Golestan, Khorasan-e-Shomali, Hamedan, Khorasan-e-Razavi*); Europe, Morocco, Turkey, Israel, Iran, Japan.
62. *Neohydatothrips ilamensis* Mirab-balou et Tong, 2014*
DISTRIBUTION. Iran (Ilam*);
NOTE. Described by Mirab-balou et al (2014a) from Iran.
63. *Neohydatothrips tadzhicus* (Pelikan, 1964)
DISTRIBUTION. Iran (Fars); Tajikistan.
Genus *Sericothrips* Haliday, 1836*
64. *Sericothrips bicornis* (Karny, 1910)*
DISTRIBUTION. Iran (Azarbaijan-e-Gharbi*); Austria.
NOTE. Both genus and species added by Poorkashkooli *et al.* (2015) for fauna of Iran.

I.4.4. SUBFAMILY THRIPINAE KARNY, 1921

Genus *Agalmothrips* Priesner, 1964

65. *Agalmothrips parviceps* Priesner, 1965

DISTRIBUTION. Iran (Khuzestan); India, Sudan.

Genus *Anaphothrips* Uzel, 1895

66. *Anaphothrips microptera* Mirab-balou, Tong et Jamali, 2014*

DISTRIBUTION. Iran (Ilam*).

NOTE. Described by Mirab-balou *et al.* (2014b) from Iran.

67. *Anaphothrips obscurus* (Müller, 1776)

DISTRIBUTION. Iran (Khorasan-e-Shomali, Fars, Golestan, Isfahan, Mazandaran, Alborz, Hamedan, Azarbaijan-e-Sharghi, Qazvin, Tehran, Azarbaijan-e-Gharbi*, Khorasan-e-Razavi*); widely distributed.

68. *Anaphothrips sineconus* Alavi et Minaei, 2018*

DISTRIBUTION. Iran (Khorasan-e Razavi*).

NOTE. Described by Alavi *et al.* (2018) from Iran.

69. *Anaphothrips sudanensis* Trybom, 1911

DISTRIBUTION. Iran (Khorasan-e-Shomali, Khuzestan, Kerman, Fars, Ilam*, Golestan, Hamedan, Khorasan-e-Razavi*, Sistan and Baluchestan*, Qazvin*, Mazandaran*); widely distributed.

Genus *Aptinothrips* Haliday, 1836

70. *Aptinothrips elegans* Priesner, 1924

DISTRIBUTION. Iran (Khorasan-e-Shomali, Kordestan, Hamedan, Alborz, Azarbaijan-e-sharghi, Qazvin*); Western Europe, Russia.

71. *Aptinothrips rufus* (Haliday, 1836)

DISTRIBUTION. Iran (Khorasan-e-Shomali, Tehran, Golestan, Kerman, Hamedan, Kermanshah, Zanjan, Alborz, Azarbaijan-e-sharghi, Azarbaijan-e-Gharbi*, Khorasan-e-Razavi*, Ilam*, Qazvin*); China, Europe, Costa Rico.

72. *Aptinothrips stylifer* Trybom, 1894

DISTRIBUTION. Iran (Khorasan-e-Shomali, Tehran, Golestan, Hamedan); Palearctic.

Genus *Arorathrips* Bhatti, 1990

73. *Arorathrips mexicanus* (Crawford, 1909)

DISTRIBUTION. Iran (Hormozgan); China, North America, Mexico, Caribbean Islands, Panama, Colombia, Argentina, Zimbabwe, Mozambique, Cuba, Brazil, West Indies, Thailand, Africa, Australia, Philippines.

Genus *Bregmatothrips* Hood, 1912

74. *Bregmatothrips bournieri* Pelikan, 1988

DISTRIBUTION. Iran (Tehran, Hamedan); Tajikistan.

75. *Bregmatothrips willcocksii* (Priesner, 1939)*

DISTRIBUTION. Iran (Fars*); Egypt.

NOTE. Added by Minaei (2017b) for fauna of Iran.

Genus *Chaetanaphothrips* Priesner, 1836

76. *Chaetanaphothrips orchidii* (Moulton, 1907)

DISTRIBUTION. Iran (Markazi*); China, Japan, Burma, Nepal, India, Malaysia, Sri Lanka, Indonesia, Mexico, Costa Rica, Ecuador, Europe, North America, California.

NOTE. Added by Mirab-balou & Modarres (2015) for fauna of Iran.

Genus *Chirothrips* Haliday, 1836

77. *Chirothrips aculeatus* Bagnall, 1927

DISTRIBUTION. Iran (Isfahan, Hamedan); China, Hungary, England, France.

78. ***Chirothrips africanus* Priesner, 1932**
DISTRIBUTION. Iran (Golestan, Sistan and Baluchestan*); China (Taiwan), Cyprus, Egypt, Algeria, southern Italy, India, Uzbekistan, Yemen, Sudan, Ethiopia.
79. ***Chirothrips atricarpus* Girault, 1927**
DISTRIBUTION. Iran (Khuzestan); Australia.
80. ***Chirothrips hamatus* Trybom, 1895***
DISTRIBUTION. Iran (Khuzestan*); Denmark, Finland.
NOTE. Added by Mombeini *et al.* (2017) for fauna of Iran.
81. ***Chirothrips kurdistanus* zur Strassen, 1967**
DISTRIBUTION. Iran (Fars, Tehran, Alborz, Qazvin*); Turkey.
82. ***Chirothrips manicatus* (Haliday, 1836)**
DISTRIBUTION. Iran (Alborz, Hamedan, Kermanshah, Qazvin*, Azarbaijan-e-Sharghi, Kerman, Golestan, Khuzestan, Yazd, Khorasan-e-Shomali, Guilan, Khorasan-e-Razavi*, Sistan and Baluchestan*); Palearctic.
83. ***Chirothrips maximi* Ananthkrishnan, 1957**
DISTRIBUTION. Iran (Hamedan); India.
84. ***Chirothrips meridionalis* Bagnall, 1927**
DISTRIBUTION. Iran (Khuzestan, Kerman, Golestan, Qazvin*, Mazandaran); France.
85. ***Chirothrips molestus* Priesner, 1926**
DISTRIBUTION. Iran (Khorasan-e-Shomali, Hamedan, Golestan, Khorasan-e-Razavi*); Czechoslovakia, Austria.
86. ***Chirothrips pallidicornis* Priesner, 1925**
DISTRIBUTION. Iran (Fars); Poland, Czechoslovakia, Hungary, Germany, Italy.
- Genus *Collembolothrips* Priesner, 1935**
87. ***Collembolothrips mediterraneus* Priesner, 1935**
DISTRIBUTION. Iran (Golestan, Hamedan, Kermanshah); Cyprus.
- Genus *Drepanothrips* Uzel, 1895**
88. ***Drepanothrips reuteri* Uzel, 1895**
DISTRIBUTION. Iran (Khuzestan, Isfahan, Khorasan-e-Shomali, Qazvin*); Europe, China, Japan, North America.
- Genus *Eremiothrips* Priesner, 1950**
89. ***Eremiothrips antilope* (Priesner, 1923)**
DISTRIBUTION. Iran (Khuzestan); Egypt, Sudan, Morocco, Palestine, Saudi Arabia, India.
90. ***Eremiothrips arya* (zur Strassen, 1975)**
DISTRIBUTION. Iran (Tehran).
91. ***Eremiothrips bhattii* Minaei, 2012**
DISTRIBUTION. Iran (Fars).
92. ***Eremiothrips dubius* (Priesner, 1933)**
DISTRIBUTION. Iran (Kerman, Yazd, Hamedan, Alborz, Khorasan-e-Razavi*); Canary Islands, Morocco.
93. ***Eremiothrips efflatouni* (Priesner, 1965)**
DISTRIBUTION. Iran (Khuzestan, Sistan and Baluchestan*); Egypt, Canary Islands, Israel.
94. ***Eremiothrips eshgii* Minaei, 2014***
DISTRIBUTION. Iran (Fars*
NOTE. Described by Minaei (2014b) from Iran.
95. ***Eremiothrips farsi* Bhatti et Telmadarraiy, 2003**
DISTRIBUTION. Iran (Mazandaran).

96. *Eremiothrips shirabudinensis* (Yakhontov, 1929)
DISTRIBUTION. Iran (Kerman, Khuzestan, Yazd, Khorasan-e-Shomali); Uzbekistan, Mongolia.
97. *Eremiothrips similis* Bhatti, 1988
DISTRIBUTION. Iran (Khuzestan, Sistan and Baluchestan*); Iraq.
98. *Eremiothrips taghizadehi* (zur Strassen, 1975)
DISTRIBUTION. Iran (Golestan, Tehran, Khuzestan, Khorasan-e-Razavi*).
99. *Eremiothrips tamaricis* (zur Strassen, 1975)
DISTRIBUTION. Iran (Golestan); Morocco.
100. *Eremiothrips varius* (Bhatti, 1967)
DISTRIBUTION. Iran (Golestan, Khuzestan); India.
101. *Eremiothrips zurstrasseni* Bhatti, Bagheri et Ramezani, 2009
DISTRIBUTION. Iran (Khuzestan, Sistan and Baluchestan*).
- Genus *Eryngyothrips* Bhatti, 1979**
102. *Eryngyothrips banihashemii* Minaei et Aleosfoor, 2014*
DISTRIBUTION. Iran (Fars*
NOTE. Genus firstly recorded and species described by Minaei *et al.* (2014).
103. *Eryngyothrips veisii* Mirab-balou, 2015*
DISTRIBUTION. Iran (Ilam*
NOTE. Described by Mirab-balou *et al.* (2015) from Iran.
- Genus *Euphysothrips* Bagnall, 1926**
104. *Euphysothrips minozzii* Bagnall, 1926
DISTRIBUTION. Iran (Khorasan-e-Shomali); Turkey, India, Austria, France, the Canary Islands, Egypt, Yemen, South Africa, Mozambique.
- Genus *Exothrips* Priesner, 1939**
105. *Exothrips redox* Bhatti, 1975
DISTRIBUTION. Iran (Golestan); India.
- Genus *Ficothrips* Minaei, 2012**
106. *Ficothrips moundi* Minaei, 2012
DISTRIBUTION. Iran (Fars).
- Genus *Florithrips* Bhatti, 1970**
107. *Florithrips traegardhi* (Trybom, 1911)
DISTRIBUTION. Iran (Khuzestan); Egypt, Sudan.
- Genus *Frankliniella* Karny, 1910**
108. *Frankliniella intonsa* (Trybom, 1895)
DISTRIBUTION. Iran (widely distributed); widespread around the world.
109. *Frankliniella occidentalis* (Pergande, 1895)
DISTRIBUTION. Iran (Tehran, Khuzestan, Hamedan, Zanjan, Azarbaijan-e-Sharghi, Alborz, Qazvin, Kohgiluyeh and Boyer-Ahmad*, Ilam*, Markazi*, Azarbaijan-e-Gharbi*, Khorasan-e-Razavi*, Sistan and Baluchestan*); widespread around the world.
110. *Frankliniella pallida* (Uzel, 1895)
DISTRIBUTION. Iran (Khuzestan, Fars, Lorestan, Tehran, Khorasan-e-Shomali, Hamedan, Qazvin, Kermanshah, Alborz, Kordestan, Zanjan, Markazi*, Khorasan-e-Razavi*); China, Austria, France, Tunisia, Czech.
111. *Frankliniella schultzei* (Trybom, 1910)
DISTRIBUTION. Iran (Khuzestan, Kerman, Tehran, Mazandaran, Kermanshah, Qazvin); Israel, Egypt, Spain, Morocco, Canary Islands.

112. ***Frankliniella tenuicornis* (Uzel, 1895)**

DISTRIBUTION. Iran (Hamedan, Fars, Golestan, Isfahan, Tehran, Alborz, Guilan, Khorasan-e-Shomali, Mazandaran, Kermanshah, Qazvin*, Azarbaijan-e-Sharghi, Kohgiluyeh and Boyer-Ahmad*, Azarbaijan-e-Gharbi*, Khorasan-e-Razavi*); China, Czech, USA.

Genus *Hyalopterothrips* Priesner, 1939*

113. ***Hyalopterothrips brunneus* Alavi et Minaei, 2018***

DISTRIBUTION. Iran (Khorasan-e Razavi*).

NOTE. Genus firstly recorded and species described by Alavi *et al.* (2018).

Genus *Kakothrips* Williams, 1914

114. ***Kakothrips dentatus* Knechtel, 1939**

DISTRIBUTION. Iran (Kermanshah); Romania, Russia.

115. ***Kakothrips pisivorus* (Westwood, 1880)**

DISTRIBUTION. Iran (Alborz, Hamedan); Czechoslovakia, England.

116. ***Kakothrips priesneri* Pelikan, 1965**

DISTRIBUTION. Iran (Qazvin); Czechoslovakia, Israel.

Genus *Limothrips* Haliday, 1836

117. ***Limothrips angulicornis* Jablonowski, 1894**

DISTRIBUTION. Iran (Khuzestan, Hamedan, Azarbaijan-e-Sharghi, Kerman, Mazandaran, Khorasan-e-Shomali, Alborz, Azarbaijan-e-Gharbi, Golestan, Fars); Western Palaearctic.

118. ***Limothrips cerealium* (Haliday, 1836)**

DISTRIBUTION. Iran (Azarbaijan-e-Sharghi); Denmark, Italy, USA, Cyprus, Syria, England.

119. ***Limothrips denticornis* (Haliday, 1836)**

DISTRIBUTION. Iran (Golestan); North America, Australia, Austria, Finland, England, Russia.

120. ***Limothrips schmutzi* Priesner, 1919**

DISTRIBUTION. Iran (Khorasan-e-Shomali); Georgia, Romania, Bulgaria, Czechoslovakia, Austria, Germany, Italy, England.

121. ***Limothrips transcaucasicus* Savenko, 1944**

DISTRIBUTION. Iran (Golestan, Hamedan, Qazvin*); Georgia, Turkey, Uzbekistan.

Genus *Megalurothrips* Bagnall, 1915

122. ***Megalurothrips distalis* (Karny, 1913)**

DISTRIBUTION. Iran (Hamedan); China, Korea, India, Indonesia, Sri Lanka, Philippines, Fiji.

Genus *Microcephalothrips* Bagnall, 1915

123. ***Microcephalothrips abdominalis* (Crawford, 1913)**

DISTRIBUTION. Iran (Khuzestan, Teharn, Alborz, Golestan, Hamedan, Guilan, Fars, Ilam*, Markazi*, Khorasan-e-Razavi*, Qazvin*); China (Taiwan), Korea, India, Guam, Sri Lanka, Philippines, Indonesia, Egypt, Australia, New Zealand, USA, Canada, Cuba, Argentina, Mexico.

Genus *Mycterothrips* Trybom, 1910

124. ***Mycterothrips consociatus* (Targioni-Tozzetti, 1887)**

DISTRIBUTION. Iran (Tehran, Khorasan-e-Shomali); Europe, Liberia, China, Japan.

125. ***Mycterothrips doosti* Minaei et Alavi, 2017***

DISTRIBUTION. Iran (Fars*).

NOTE. Described by Minaei *et al.* (2017) from Iran.

126. *Mycterothrips glycines* (Okamoto, 1911)
DISTRIBUTION. Iran (Hamedan); China (including Taiwan), Japan, Korea.
127. *Mycterothrips hamedaniensis* Mirab-balou, Shi et Chen, 2011
DISTRIBUTION. Iran (Hamedan).
128. *Mycterothrips latus* (Bagnall, 1912)
DISTRIBUTION. Iran (Khuzestan); Scotland, England, Germany.
129. *Mycterothrips mahvelatensis* Alavi et Minaei, 2013*
DISTRIBUTION. Iran (Khorasan-e-Razavi*).
NOTE. Described by Alavi *et al.* (2013b) from Iran.
130. *Mycterothrips nastarani* Alavi et Minaei, 2013*
DISTRIBUTION. Iran (Khorasan-e-Shomali*).
NOTE. Described by Alavi *et al.* (2013b) from Iran.
131. *Mycterothrips salicis* (Reuter, 1879)
DISTRIBUTION. Iran (Khuzestan); Europe.
132. *Mycterothrips sanubari* Alavi et Minaei, 2013*
DISTRIBUTION. Iran (Khorasan-e-Shomali*).
NOTE. Described by Alavi *et al.* (2013b) from Iran.
133. *Mycterothrips tschirkunae* (Yakhontov, 1961)
DISTRIBUTION. Iran (Khorasan-e-Shomali, Khuzestan, Tehran, Kohgiluyeh and Boyer-Ahmad*, Qazvin*, Khorasan-e-Razavi*); Tajikistan, Uzbekistan, Turkey.
134. *Mycterothrips weii* Mirab-balou, Shi et Chen, 2011
DISTRIBUTION. Iran (Hamedan, Qazvin*).
135. *Mycterothrips zagrosi* Minaei et Alavi, 2017*
DISTRIBUTION. Iran (Fars*).*
NOTE. Described by Minaei *et al.* (2017) from Iran.

Genus *Odontothrips* Amyot & Serville, 1843

136. *Odontothrips confusus* Priesner, 1926
DISTRIBUTION. Iran (Fars, Kerman, Yazd, Golestan, Lorestan, Alborz, Khorasan-e-Shomali, Hamedan, Kordestan, Qazvin, Zanjan, Markazi*, Azarbaijan-e-Gharbi*, Khorasan-e-Razavi*); China, Hungary, Germany, Czechoslovakia.
137. *Odontothrips iranensis* Mirab-balou et Chen, 2013*
DISTRIBUTION. Iran (Hamedan*).*
NOTE. Described by Mirab-balou *et al.* (2013) from Iran.
138. *Odontothrips meliloti* Priesner, 1951
DISTRIBUTION. Iran (Fars, Hamedan, Kermanshah, Kordestan, Qazvin, Zanjan); China, Southern England, France, Germany, Hungary, Czechoslovakia.
139. *Odontothrips loti* (Haliday, 1852)
DISTRIBUTION. Iran (Zanjan); China, Russia, North America, Europe, Japan.
140. *Odontothrips phlomidinus* Priesner, 1954
DISTRIBUTION. Iran (Fars).

Genus *Oelschlaegera* Bhatti, 1990

141. *Oelschlaegera ferdowsii* Fekrat et Minaei, 2016*
DISTRIBUTION. Iran (Khorasan-e-Razavi*).*
NOTE. Genus firstly recorded and species described by Fekrat *et al.* (2016).

Genus *Oxythrips* Uzel, 1895

142. *Oxythrips claripennis* Priesner, 1940
DISTRIBUTION. Iran (Hamedan); Germany.
143. *Oxythrips halidayi* Bagnall, 1924
DISTRIBUTION. Iran (Khuzestan); England, France.

144. *Oxythrips retamae* (Priesner, 1934)
DISTRIBUTION. Iran (Khuzestan); Israel, Egypt, Spain, Morocco.
145. *Oxythrips ulmifoliorum* (Haliday, 1836)
DISTRIBUTION. Iran (Golestan); Europe, China.
146. *Oxythrips wiltshirei* Priesner, 1954
DISTRIBUTION. Iran (Fars).

Genus *Parascolothrips* Mound, 1967

147. *Parascolothrips priesneri* Mound, 1967
DISTRIBUTION. Iran (Tehran, Hamedan); Iraq.

Genus *Pezothrips* Karny, 1907

148. *Pezothrips bactrianus* (Pelikan, 1968)
DISTRIBUTION. Iran (Hamedan, Kermanshah, Khorasan-e-Razavi*); China, Turkey, Tajikistan.
149. *Pezothrips dianthi* Priesner, 1921*
DISTRIBUTION. Iran (Khorasan-e-Razavi*); Austria.
NOTE. Added by Fekrat & Minaei (2014a) for fauna of Iran.

Genus *Psilothrips* Hood, 1927

150. *Psilothrips bimaculatus* (Priesner, 1932)
DISTRIBUTION. Iran (Khuzestan); Egypt.
151. *Psilothrips zygophylli* Minaei et Mound, 2015*
DISTRIBUTION. Iran (Fars*^{*}).
NOTE. Described by Minaei & Mound (2015) from Iran.

Genus *Rubiothrips* Schliephake, 1975

152. *Rubiothrips parisae* Mirab-balou et Chen, 2013
DISTRIBUTION. Iran (Hamedan).
153. *Rubiothrips tongi* Mirab-balou et Chen, 2013
DISTRIBUTION. Iran (Hamedan, Kermanshah).
154. *Rubiothrips vitalbae* (Bagnall, 1926)
DISTRIBUTION. Iran (Hamedan); Turkey, Austria, Hungary, Romania, Macedonia, Italy, Sicily, Southern France, Spain, Portugal.
155. *Rubiothrips vitis* (Priesner, 1933)
DISTRIBUTION. Iran (Azarbaijan-e-Gharbi, Kermanshah, Qazvin*, Khorasan-e-Razavi*); Romania, Turkey, Israel, Hungary, Romania, Bulgaria, Greece.

Genus *Scirtothrips* Shull, 1909

156. *Scirtothrips citri* (Moulton, 1909)
DISTRIBUTION. Iran (Kerman); Southwestern U.S.A.
157. *Scirtothrips dorsalis* Hood, 2016*
DISTRIBUTION. Iran (Fars*^{*}).
NOTE. Added by Minaei *et al.* (2016a) for fauna of Iran.
158. *Scirtothrips hafezi* Minaei et Mound, 2018*
DISTRIBUTION. Iran (Fars*^{*}).
NOTE. Described by Minaei & Mound (2018) from Iran.
159. *Scirtothrips mangiferae* Priesner, 1932
DISTRIBUTION. Iran (Khuzestan, Fars, Isfahan, Kerman, Sistan and Baluchestan*); Yemen, Sudan, Gabon.

Genus *Scolothrips* Hinds, 1902

160. *Scolothrips dilongicornis* Hang et Zhang, 1982*
DISTRIBUTION. Iran (Khorasan-e-Razavi*^{*}).
NOTE. Added by Fekrat & Manzari (2014b) for fauna of Iran.

161. *Scolothrips latipennis* Priesner, 1950

DISTRIBUTION. Iran (Khuzestan, Fars, Khorasan-e-Shomali, Kerman, Tehran); Egypt, Crimea, Spain, Morocco, Canary Islands.

162. *Scolothrips longicornis* Priesner, 1926

DISTRIBUTION. Iran (Khuzestan, Yazd, Mazandaran, Fars, Golestan, Khorasan-e-Shomali, Kerman, Tehran, Kohgiluyeh and Boyer-Ahmad*, Markazi*, Qazvin*); Russia, Austria.

163. *Scolothrips rhagebianus* Priesner, 1950*

DISTRIBUTION. Iran (Khuzestan); India, Sudan.

164. *Scolothrips tenuipennis* zur Strassen, 1965

DISTRIBUTION. Iran (Khuzestan*); Canary Islands, Kenya.

NOTE. Added by Minaei & Abdollahi (2015) for fauna of Iran.

Genus *Sitothrips* Priesner, 1931

165. *Sitothrips arabicus* Priesner, 1931

DISTRIBUTION. Iran (Fars, Golestan, Kerman, Khorasan-e-Shomali, Khuzestan, Hamedan, Kordestan, Kermanshah, Azarbaijan-e-Sharghi, Kohgiluyeh and Boyer-Ahmad*, Khorasan-e-Razavi*); Egypt, Georgia.

166. *Sitothrips izadpanahi* Minaei et Mound, 2014*

DISTRIBUTION. Iran (Fars*).

NOTE. Described by Minaei & Mound (2014a) from Iran.

Genus *Sphaeropothrips* Priesner, 1928

167. *Sphaeropothrips vittipennis* (Bagnall, 1927)

DISTRIBUTION. Iran (Mazandaran); Poland, northern Germany, France, England, Austria, Hungary, Czechoslovakia, Egypt, India.

Genus *Stenchaetothrips* Bagnall, 1926

168. *Stenchaetothrips biformis* (Bagnall, 1913)

DISTRIBUTION. Iran (Azarbaijan-e-sharghi); China (including Taiwan), Afghanistan, Bangladesh, Bhutan, Burma, Europe, India, Indonesia, Japan, Kampuchea, Korea, Laos, Malaysia, Nepal, Papua-New Guinea, Philippines, South America, Sri Lanka, Thailand, Vietnam.

Genus *Stenothrips* Uzel, 1895

169. *Stenothrips graminum* Uzel, 1895

DISTRIBUTION. Iran (Golestan, Azarbaijan-e-Sharghi); Austria, Czechoslovakia, Poland and Hungary.

Genus *Taeniothrips* Amyot et Serville, 1843

170. *Taeniothrips inconsequens* (Uzel, 1895)

DISTRIBUTION. Iran (Guilan, Hamedan, Tehran*, Kohgiluyeh and Boyer-Ahmad*, Ilam*); Sweden to Japan, Korea, Canada, northern states of the USA, California.

Genus *Tamaricothrips* Priesner, 1964

171. *Tamaricothrips tamaricis* (Bagnall, 1926)

DISTRIBUTION. Iran (Kerman); Jordan, Israel, Egypt, Bulgaria, Italy, France, Spain, Morocco.

Genus *Tenothrips* Bhatti, 1967

172. *Tenothrips discolor* (Karny, 1907)

DISTRIBUTION. Iran (Khuzestan, Hamedan, Mazandaran, Fars, Kermanshah, Alborz, Khorasan-e-Shomali, Azarbaijan-e-Gharbi, Khorasan-e-Razavi*, Qazvin*, Markazi*); Kyrgyzstan, Canary Islands, Austria, France, Spain.

173. *Tenothrips frici* (Uzel, 1895)

DISTRIBUTION. Iran (widely distributed); Kazakhstan, Austria, Czechoslovakia, Romania, Hungary, Australia, India, USA.

174. *Tenothrips latooides* (Pelikán, 1968)

DISTRIBUTION. Iran (Khorasan-e-Shomali, Hamedan, Kordestan, Khorasan-e-Razavi*, Markazi*); Tajikistan.

175. *Tenothrips reichardtii* (Priesner, 1926)

DISTRIBUTION. Iran (Azarbaijan-e-Gharbi); Russia, Poland, Mongolia, Western Siberia.

Genus *Thermothrips* Pelikán, 1949

176. *Thermothrips mohelensis* (Pelikán, 1949)

DISTRIBUTION. Iran (Hamedan); Western Russia, Turkey, Czech, Poland.

Genus *Thrips* Linnaeus, 1758

177. *Thrips alavii* Mirab-balou, Tong et Chen, 2012

DISTRIBUTION. Iran (Hamedan).

178. *Thrips albopilosus* Uzel, 1895*

DISTRIBUTION. Iran (Khorasan-e-Razavi*); Austria, Czechoslovakia.

NOTE. Added by Fekrat & Minaei (2014) for fauna of Iran.

179. *Thrips alliorum* (Priesner, 1935)

DISTRIBUTION. Iran (Hamedan); China, Korea, Japan, Manchuria, Hawaii.

180. *Thrips angusticeps* Uzel, 1895

DISTRIBUTION. Iran (Kerman, Hamedan, Kermanshah); Czechoslovakia, England, Italy, Austria, Turkey.

181. *Thrips atratus* Haliday, 1836

DISTRIBUTION. Iran (Khorasan–e–homali, Golestan, Tehran, Markazi, Kerman, Yazd, Hamedan, Kermanshah, Zanjan, Kordestan, Qazvin*, Mazandaran, Kohgiluyeh and Boyer-Ahmad*, Khorasan-e-Razavi*, Sistan and Baluchestan*); China, Korea, Mongolia, Turkey, Cyprus, Europe, USA, Canada.

182. *Thrips australis* (Bagnall, 1915)

DISTRIBUTION. Iran (Fars); Australia, China, Costa Rica, Colombia, Canada.

183. *Thrips carthami* Shumsher, 1946*

DISTRIBUTION. Iran (Ilam*); Australia, China, Costa Rica, Colombia, Canada.

NOTE. Added by Mirab-balou (2016a) for fauna of Iran.

184. *Thrips coloratus* Schmutz, 1913

DISTRIBUTION. Iran (Tehran); China, Korea, Japan, Nepal, India, Pakistan, Sri Lanka, Indonesia, New Guinea, Australia.

185. *Thrips dubius* Priesner, 1927

DISTRIBUTION. Iran (Alborz, Hamedan); Hungary, Austria.

186. *Thrips euphorbiae* Knechtel, 1923

DISTRIBUTION. Iran (Fars, Hamedan); Georgia, Turkey, Romania, Bulgaria, Hungary, Czech Republic, Germany, Switzerland.

187. *Thrips flavus* Schrank, 1776

DISTRIBUTION. Iran (Khorasan–e–Shomali, Hamedan); China, Korea, Japan, Europe, North America.

188. *Thrips fraudulentus* (Priesner, 1954)

DISTRIBUTION. Iran (Fars, Hamedan, Qazvin, Khorasan-e-Razavi*).

189. *Thrips fuscipennis* Haliday, 1836

DISTRIBUTION. Iran (Mazandaran); China, Turkey, Russia, Europe, USA, Canada.

190. *Thrips hawaiiensis* (Morgan, 1913)
DISTRIBUTION. Iran (Isfahan, Hamedan, Mazandaran*, Qazvin*); widespread across Asia and the Pacific Islands, also Jamaica, Northern Australia and southern and eastern USA.
191. *Thrips iranicus* Yakhontov, 1951
DISTRIBUTION. Iran (Kerman).
192. *Thrips italicus* Bagnall, 1908
DISTRIBUTION. Iran (Kohgiluyeh and Boyer-Ahmad*); Yugoslavia, Italy.
NOTE. Added by Jahangiri Sisakht *et al.* (2013) for fauna of Iran.
193. *Thrips juniperinus* Linnaeus, 1758*
DISTRIBUTION. Iran (Khorasan-e Razavi*); Sweden, Romania.
NOTE. Added by Gholami *et al.* (2014) for fauna of Iran.
194. *Thrips longiceps* (Bagnall, 1916)*
DISTRIBUTION. Iran (Kermanshah*); India.
NOTE. Added by Mirab-balou (2013b) for fauna of Iran.
195. *Thrips major* Uzel, 1895
DISTRIBUTION. Iran (Khorasan-e-homali, Golestan, Khuzestan, Tehran, Alborz, Fars, Kerman, Mazandarn, Hamedan, Kohgiluyeh and Boyer-Ahmad*, Khorasan-e-Razavi*); China, Mongolia, Turkey, Europe, Morocco.
196. *Thrips mareoticus* (Priesner, 1932)
DISTRIBUTION. Iran (Azarbaijan-e-Sharghi, Hamedan); Turkey, Cyprus, Israel, Egypt, Morocco, Germany.
197. *Thrips meridionalis* (Priesner, 1926)
DISTRIBUTION. Iran (widely distributed); Georgia, Armenia, Turkey, Cyprus, Lebanon, Israel, South Ukraine, Europe, Northern India, Iraq.
198. *Thrips minutissimus* Linnaeus, 1758
DISTRIBUTION. Iran (Khorasan-e-homali, Mazandaran, Fars, Golestan, Kohgiluyeh and Boyer-Ahmad*); Europe, Georgiya.
199. *Thrips nigropilosus* Uzel, 1895
DISTRIBUTION. Iran (Khuzestan, Guilan, Khorasan-e-homali, Hamedan, Markazi*); China, Japan, Turkey, Russia, Egypt, Ethiopia, Kenya, Tanzania, Australia, Europe, Fiji, Hawaii, New Zealand, Canada, USA.
200. *Thrips pelikani* Schliephake, 1964
DISTRIBUTION. Iran (Alborz); Turkey, Romania, Greece.
201. *Thrips physapus* Linnaeus, 1758
DISTRIBUTION. Iran (Teharan, Markazi, Khorasan-e-homali, Hamedan, Zanjan, Kordestan, Qazvin, Khorasan-e-Razavi*); Europe, Morocco, Siberia, Mongolia.
202. *Thrips pillichii* Priesner, 1924
DISTRIBUTION. Iran (Khorasan-e-homali, Tehran, Markazi, Kerman, Azarbaijan-e-Gharbi*, Khorasan-e-Razavi*); China, Turkey, Ukraine, Romania, Slovakia, Hungary, Germany, France, England, Austria, Spain, Netherland.
203. *Thrips pistaciae* Yakhontov, 1951
DISTRIBUTION. Iran (Kerman).
204. *Thrips simplex* (Morison, 1930)
DISTRIBUTION. Iran (Tehran); worldwide distributed.
205. *Thrips tabaci* Lindeman, 1889
DISTRIBUTION. Iran (widespread); across all the countries.
206. *Thrips trehernei* Priesner, 1927
DISTRIBUTION. Iran (Khorasan-e-homali, Isfahan, Kerman, Markazi, Qazvin, Tehran, Hamedan, Lorestan*); China, Turkey, North America, Europe, Australia.

207. *Thrips trybomi* (Karny, 1908)
DISTRIBUTION. Iran (Fars, Kohgiluyeh and Boyer-Ahmad*); Europe.
208. *Thrips verbasci* (Priesner, 1920)
DISTRIBUTION. Iran (Khorasan-e-Shomali); Europe.
209. *Thrips viminalis* Uzel, 1895*
DISTRIBUTION. Iran (Azarbaijan-e-Gharbi*, Alborz*); Czechoslovakia.
210. *Thrips vuilleti* (Bagnall, 1933)
DISTRIBUTION. Iran (widely distributed); Syria, Turkey, Cyprus, Bulgaria, Greece, Italy, South France, Spain.
211. *Thrips vulgatissimus* Haliday, 1836
DISTRIBUTION. Iran (Tehran, Markazi, Hamedan, Zanjan, Khorasan-e-homali, Kermanshah, Ilam*, Lorestan*); China, New Zealand, Europe, North America.

II. SUBORDER TUBULIFERA HALIDAY, 1836

The suborder Tubulifera consists of about 3600 species placed in the single family Phlaeothripidae Uzel, 1895 (Mound, 2011a; ThripsWiki, 2018), of which 59 species in 22 genera has been recorded in Iran belonging to two subfamilies: Idolothripinae and Phlaeothripinae. At least half of the species are fungus-feeders, mostly on hyphae but with one major group, the Idolothripinae, feeding on spores. More than one-third of the species are phytophagous, including the *Haplothrips* lineage in flowers, and the much larger *Liothrips* lineage on leaves. Some leaf-feeding species induce galls on their host plants (Mound, 1994). Still a few species are predatory on scale insects and mites (Reyes, 1994) and the members of one small lineage feed on mosses (Mound, 1989). However, only a few species of the Phlaeothripidae are considered as crop pests.

II.1. SUBFAMILY IDOLOTHRIPINAE BAGNALL, 1908

Genus *Allothrips* Hood, 1908

212. *Allothrips bournieri* Mound, 1972
DISTRIBUTION. Iran (Fars); France, Spain.

Genus *Compsothrips* Reuter, 1901

213. *Compsothrips albosignatus* (Reuter, 1884)
DISTRIBUTION. Iran (Fars); Southern Europe, North Africa, USSR.

Genus *Megathrips* Targioni-Tozzetti, 1881

214. *Megathrips flavipes* (Reuter, 1901)
DISTRIBUTION. Iran (Fars, Azarbaijan-e-Sharghi); Turkey, Greece, Mongolia.
215. *Megathrips inermis* Priesner, 1937
DISTRIBUTION. Iran (Fars); Italy.

Genus *Nesothrips* Kirkaldy, 1907*

216. *Nesothrips brevicollis* (Bagnall, 1914)*
DISTRIBUTION. Iran (Kurdistan*); China (Taiwan), Japan, India, Mauritius (Indian Ocean), Philippines, Indonesia, Fiji, Hawaii.
NOTE. Both genus and species added by Mirab-balou (2014a) for fauna of Iran.

Genus *Pseudocryptothrips* Priesner, 1919

217. *Pseudocryptothrips flavipes* (Reuter, 1919)
DISTRIBUTION. Iran (Fars, Hamedan, Azarbaijan-e-Gharbi*); Turkey, Croatia, Albania, Italy, Spain.

II.2. SUBFAMILY PHLAETHRIPINAE UZEL, 1895

Genus *Aleurothrips* Franklin, 1909

218. *Aleurothrips fasciapennis* (Franklin)

DISTRIBUTION. Iran (Zanjan); China (Including Taiwan), Vietnam, Japan, India, Sri Lanka, Indonesia, Barbados (West Indies), Reunion Island (Indian Ocean), Fiji (Pacific), Borneo, Micronesia (Oceania), Polynesia, Australia, Bermuda, USA, Jamaica, Cuba, Nassau, Puerto Rico, and Belgium.

Genus *Bagnalliella* Karny, 1920

219. *Bagnalliella yuccae* (Hinds, 1902)

DISTRIBUTION. Iran (Alborz, Hamedan, Qazvin*, Ilam*); China, Japan, Korea, USA, Europe, Australia.

Genus *Cephalothrips* Uzel, 1895

220. *Cephalothrips coxalis* Bagnall, 1926

DISTRIBUTION. Iran (Hamedan, Khorasan-e-Shomali, Fars*); France.

221. *Cephalothrips monilicornis* (Reuter, 1880)

DISTRIBUTION. Iran (Kordestan, Khorasan-e-Shomali, Golestan*); Siberia, Europe, North America.

Genus *Dolicholepta* Priesner, 1932

222. *Dolicholepta micrura* (Bagnall, 1914)

DISTRIBUTION. Iran (Khuzestan); North Africa and southern Europe.

Genus *Haplothrips* Amyot et Serville, 1843

223. *Haplothrips (Haplothrips) aculeatus* (Fabricius, 1803)

DISTRIBUTION. Iran (Kerman, Golestan, Fars, Mazandaran, Guilan, Tehran, Azarbaijan-e Sharghi, Hamedan, Ilam*, Sistan and Baluchestan*); China, Japan, South-East Asia, Western Europe.

224. *Haplothrips (Haplothrips) andresi* Priesner, 1931

DISTRIBUTION. Iran (Khorasan-e-Shomali); Egypt, North Africa, Sinai, Palestine.

225. *Haplothrips (Haplothrips) caespitis* Priesner, 1936

DISTRIBUTION. Iran (Khuzestan, Hamedan, Khorasan-e-Razavi*); Sudan.

226. *Haplothrips (Haplothrips) cahirensis* (Trybom, 1911)

DISTRIBUTION. Iran (Fars); Egypt, Kenya.

227. *Haplothrips (Haplothrips) distinguendus* (Uzel, 1895)

DISTRIBUTION. Iran (Tehran); Europe.

228. *Haplothrips (Haplothrips) eragrostidis* Priesner, 1931

DISTRIBUTION. Iran (Golestan, Sistan and Baluchestan*, Mazandaran*); Egypt.

229. *Haplothrips (Haplothrips) flavicinctus* (Karny, 1910)

DISTRIBUTION. Iran (Khuzestan, Khorasan-e-Shomali, Fars, Guilan, Mazandaran, Tehran, Hamedan, Azarbaijan-e-Sharghi, Ilam*); Southern Europe.

230. *Haplothrips (Haplothrips) flavitibia* Williams, 1916

DISTRIBUTION. Iran (Fars, Hamedan, Kerman, Yazd, Khorasan-e-Shomali, Khuzestan, Tehran, Ilam*); England, Germany.

231. *Haplothrips (Haplothrips) ganglbaueri* Schmutz, 1913

DISTRIBUTION. Iran (Khuzestan, Kermanshah, Hamedan, Azarbaijan-e-Sharghi, Fars, Tehran, Alborz); India, Thailand, Japan, China.

232. *Haplothrips (Haplothrips) globiceps* Bagnall, 1934

DISTRIBUTION. Iran (Tehran, Fars and Alborz, Hamedan, Khorasan-e-Razavi*); Turkey.

233. *Haplothrips (Haplothrips) herajius Minaei et Aleosfoor, 2012*
DISTRIBUTION. Iran (Fars); Iran.
234. *Haplothrips (Haplothrips) kermanensis zur Strassen, 1975*
DISTRIBUTION. Iran (Kerman).
235. *Haplothrips (Haplothrips) knechteli Priesner, 1923*
DISTRIBUTION. Iran (Fars); Romania.
236. *Haplothrips (Haplothrips) kurdjumovi Karny, 1913*
DISTRIBUTION. Iran (Azarbaijan-e-Sharghi, Khorasan-e-Shomali); Europe, North America, New Zealand, Japan, China.
237. *Haplothrips (Haplothrips) leucanthemi (Schränk, 1781)*
DISTRIBUTION. Iran (Hamedan, Kermanshah, Fars, Ardabil, Mazandaran, Khorasan-e-Razavi*); China, Argentina, Chile, South America, North America.
238. *Haplothrips (Haplothrips) longipes Bgnall, 1926*
DISTRIBUTION. Iran (Khuzestan); Spain.
239. *Haplothrips (Haplothrips) maroccanus Priesner, 1950*
DISTRIBUTION. Iran (Khuzestan, Fars, Tehran, Khorasan-e-Razavi*); Morocco.
240. *Haplothrips (Haplothrips) minutus (Uzel, 1895)*
DISTRIBUTION. Iran (Kerman, Fars); Europe.
241. *Haplothrips (Haplothrips) navvabi Minaei et Ramezani, 2018**
DISTRIBUTION. Iran (Khuzestan).
NOTE. Described by Minaei *et al.* (2018) from Iran.
242. *Haplothrips (Haplothrips) phyllophilus Priesner, 1914*
DISTRIBUTION. Iran (Golestan); Europe.
243. *Haplothrips (Haplothrips) rabinovitchi Priesner, 1936*
DISTRIBUTION. Iran (Khuzestan); Palestine.
244. *Haplothrips (Haplothrips) rasouliani Mirab-balou et Chen, 2015**
DISTRIBUTION. Iran (Hamedan*, Alborz*).
NOTE. Described by Mirab-balou & Chen (2015) from Iran.
245. *Haplothrips (Haplothrips) reuteri (Karny, 1907)*
DISTRIBUTION. Iran (widely distributed); China, Russia, Mongolia, India, Pakistan, Europe, Sudan, Egypt.
246. *Haplothrips (Haplothrips) subtilissimus (Haliday, 1852)*
DISTRIBUTION. Iran (Hamedan, Fars, Tehran, Khorasan-e-Razavi*); China, Japan, Middle of Asia, Europe, North America.
247. *Haplothrips (Haplothrips) tamaricinus Priesner, 1939*
DISTRIBUTION. Iran (Guilan); Egypt.
248. *Haplothrips (Haplothrips) tritici (Kurdjumov, 1912)*
DISTRIBUTION. Iran (widely distributed); China, Soviet Union, Siberia, Korea, Europe.
249. *Haplothrips (Haplothrips) verbasci (Osborn, 1897)**
DISTRIBUTION. Iran (Hamedan*); USA.
NOTE. Added by Mirab-balou (2014b) for fauna of Iran.
250. *Haplothrips (Haplothrips) vuilleti Priesner, 1920*
DISTRIBUTION. Iran (Kermanshah, Hamedan); Europe.
251. *Haplothrips (Haplothrips) zabolius Minaei et Mokhtari, 2016**
DISTRIBUTION. Iran (Sistan and Baluchestan*).
NOTE. Described by Minaei *et al.* (2016b) from Iran.
252. *Haplothrips (Trybomiella) clarisetis Priesner, 1931*
DISTRIBUTION. Iran (Kerman, Yazd, Khorasan-e-Shomali, Tehran, Fars, Mazandaran, Khorasan-e-Razavi*); Egypt, Sudan.

Genus *Hindsiothrips* Stannard, 1958

253. ***Hindsiothrips sisakhti* Minaei, 2013**

DISTRIBUTION. Iran (Kohgiluyeh and Boyer-Ahmad).

Genus *Hoplandrothrips* Hood, 1912

254. ***Hoplandrothrips bidens* (Bagnall, 1910)**

DISTRIBUTION. Iran (Mazandaran); China, Hungary, France, New Zealand.

255. ***Hoplandrothrips hungaricus* Priesner, 1961**

DISTRIBUTION. Iran (Khorasan-e-Shomali); Hungary

Genus *Hoplothrips* Amyot et Serville, 1843

***Hoplothrips* sp.** (An unknown species)

DISTRIBUTION. Iran (Mazandaran); worldwide.

NOTE. It is widely distributed in the world. Jalali Sendi *et al.* (2011) have recorded this genus based on two females from Guilan province for fauna of Iran, but they didn't identified them into species. In addition, the author was collected some specimens from north of Iran and need to identifying in species level.

Genus *Idiothrips* Faure, 1933

256. ***Idiothrips bellus* Faure, 1933**

DISTRIBUTION. Iran (Kerman, Fars); India.

NOTE. = *Idiothrips ficus* Bhatti (see Minaei, 2013b).

Genus *Karnyothrips* (Watson, 1923)*

257. ***Karnyothrips flavipes* (Jones, 1912)***

DISTRIBUTION. Iran (Khorasan-e Razavi*); USA, Cuba, Egypt, Albania Australia.

NOTE. Both genus and species added by Miramirkhani *et al.* (2016) for fauna of Iran.

Genus *Liophloeothrips* Priesner, 1919

258. ***Liophloeothrips baharae* Mirab-balou, 2018***

DISTRIBUTION. Iran (Ilam*).

NOTE. Described by Mirab-balou (2018) from Iran.

259. ***Liophloeothrips hungaricus* (Priesner, 1924)**

DISTRIBUTION. Iran (Tehran); Hungary.

Genus *Liothrips* Uzel, 1895

260. ***Liothrips (Liothrips) austriacus* (Karny, 1910)**

DISTRIBUTION. Iran (Kerman, Fars); Austria.

261. ***Liothrips (Liothrips) pragensis* Uzel, 1895**

DISTRIBUTION. Iran (Khuzestan, Kohgiluyeh and Boyer-Ahmad*, Fars*, Ilam*); Czechoslovakia, Hungary, Albania, Rumania, France, Tadjikistan.

262. ***Liothrips (Liothrips) reuteri* (Bagnall, 1913)**

DISTRIBUTION. Iran (Kerman, Hormozgan*, Fars*, Isfahan*, Sistan and Baluchestan*); Egypt, Turkmenistan, Albania, Canary Islands, India, Yemen.

NOTE. = *Ataliothrips reuteri* (see Minaei & Mound, 2014b)

263. ***Liothrips (Liothrips) setinodis* (Reuter, 1880)***

DISTRIBUTION. Iran (Guilan*, Zanzan*, Kerman*, Khorasan-e-Shomali*); Western Europe, China, India.

NOTE. = *L. jakhontovi* Kreitzberg.

Genus *Neoheegeria* Schmutz, 1909

264. ***Neoheegeria dalmatica* Schmutz, 1910**

DISTRIBUTION. Iran (Hamedan, Lorestan*, Fars, Khuzestan, Mazandaran, Tehran, Khorasan-e-Razavi*); Turkey, Uzbekistan, Algeria.

265. *Neoheegeria gigantea* (Priesner, 1934)
DISTRIBUTION. Iran (Fars); Egypt.
266. *Neoheegeria persica* Priesner, 1954
DISTRIBUTION. Iran (Fars).
- Genus *Phlaeothrips* Haliday, 1836**
267. *Phlaeothrips coriaceus* (Haliday, 1836)
DISTRIBUTION. Iran (Golestan); Western Europe.
- Genus *Plicothrips* Bhatti, 1979**
268. *Plicothrips apicalis* (Bagnall, 1915)
DISTRIBUTION. Iran (Khorasan-e-Shomali, Khorasan-e-Razavi*); Thailand, China.
- Genus *Podothrips* Hood, 1913**
269. *Podothrips erami* Minaei, 2015*
DISTRIBUTION. Iran (Fars*[†]).
NOTE. Genus firstly recorded and specis described by Minaei (2015b).
- Genus *Stictothrips* Hood, 1925**
270. *Stictothrips faurei* Hood, 1925
DISTRIBUTION. Iran (Khuzestan); South Africa.

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Address: Federal Scientific Center of the East Asia Terrestrial Biodiversity (former Institute of Biology and Soil Science), Far East Branch of the Russian Academy of Sciences, 690022, Vladivostok-22, Russia.

E-mail: storozhenko@biosoil.ru

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