

Article

A catalog of Iranian prostigmatic mites of superfamilies Raphignathoidea & Tetranychoida (Acari)

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Abstract

This catalog comprises 56 genera and 266 species of mite names of superfamilies Raphignathoidea and Tetranychoida recorded from Iran at the end of January, 2013. Data on the mite distributions and habitats based on the published information are included. Remarks about the incorrect reports and nomen nudum species are also presented.

Key words: Checklist, mite, habitat, distribution, Iran.

Introduction

Apparently the first checklist about mites of Iran was that of Farahbakhsh in 1961. Subsequently the following lists were published: “*The 20 years researches of Acarology in Iran, List of agricultural pests and their natural enemies in Iran, A catalog of mites and ticks (Acari) of Iran and Injurious mites of agricultural crops in Iran*” are four main works (Sepasgosarian 1977; Modarres Awal 1997; Kamali *et al.* 2001; Khanjani & Haddad Irani-Nejad 2006).

Prostigmatic mites consist of parasitic, plant feeding and beneficial predatory species and is the major group of Acari in the world. Until 2011, 26205 species were described in this suborder, of which 4728 species belong to the cohort Raphignathina and tetranychoid and raphignathoid mites include 2211 and 877 species respectively (Zhang *et al.* 2011), and among them, 266 species of these superfamilies were found in Iran.

The aim of this paper is to list all of the mites belonging to superfamilies Raphignathoidea and Tetranychoida till the end of January 2013 and clarifying some of the previous reports from Iran. Hopefully this will enhance the knowledge of this important group of mites for future research in Iran. All available published articles, checklists, books, congress proceedings and abstracts of congresses reporting Raphignathina fauna of Iran were considered.

During our literature review, we came across the following mistakes:

1. Using unpublished data in articles.
2. Wrongly synonymizing species.
3. Ignoring the reports of some species.
4. Some wrongly claimed species as first reports from Iran.

This catalog is arranged in this way: Under each species, synonyms, if available, distribution (provinces in Iran) with references, and the habitat(s) are given. Remarks to clarify or correct some of the information are also included. Names of superfamilies, families, genera and species are arranged alphabetically according to the Raphignathina higher classification by Walter *et al.* (2009). A map of provinces of Iran (Fig. 1), number of genera and species of raphignathoid and tetranychoid mites recorded from Iran (Table 1) and scientific names of host plants (Table 2) are presented.

Order Trombidiformes
Suborder Prostigmata
Supercohort Eleutherengonides
Cohort Rhaphignathina

Superfamily Rhaphignathoidea

Family Barbutiidae Robaux, 1975

Genus *Barbutia* Oudemans, 1927

1. *Barbutia australia* Fan, Walter & Proctor, 2003

Distribution in Iran: East Azarbaijan (Navaei-Bonab *et al.* 2010).

Habitat in Iran: Fields and orchards.

2. *Barbutia iranensis* Bagheri, Navaei-Bonab & Ueckermann, 2010

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2010c; Navaei-Bonab *et al.* 2012).

Habitat in Iran: Soil samples, soil of apple orchards.

Family Caligonellidae Grandjean, 1944

Genus *Caligonella* Berlese, 1910

1. *Caligonella afroensis* Meyer & Ueckermann, 1989

Distribution in Iran: Ardabil (Haddad Irani-Nejad *et al.* 1999).

Habitat in Iran: Cotton litter samples.

2. *Caligonella humilis* (Koch, 1838)

Stigmaeus humilis Koch, 1838 (Original designation)

Distribution in Iran: Hamedan (Ueckermann & Khanjani 2003; Rostami *et al.* 2010d, e, 2012), Razavi Khorasan (Rahmdeli *et al.* 2011), Kerman (Changizi *et al.* 2011a, b), East Azarbaijan (Bagheri *et al.* 2011e; Gheblealivand *et al.* 2011a; Bagheri & Ahani-Azad 2012; Navaei-Bonab *et al.* 2012).

Habitat in Iran: Weeds, soil of plum and apple orchards, soil of alfalfa fields; leaf litter, soil under liquorice, soil under Sainfoins.

Genus *Coptocheles* Summers & Schlinger, 1955

1. *Coptocheles farsiensis* Ueckermann, Khademi & Saboori, 2010

Distribution in Iran: Fars (Ueckermann *et al.* 2010).

Habitat in Iran: Soil of citrus orchards.

Genus *Molothrognathus* Summers & Schlinger, 1955

1. *Molothrognathus azizi* Ueckermann & Khanjani, 2003

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2006a, 2011e; Gheblealivand *et al.* 2011a; Bagheri & Ahani-Azad 2012), Kermanshah (Baharloo *et al.* 2006; Babakfard *et al.* 2008), Hamedan (Ueckermann & Khanjani 2003; Rostami *et al.* 2010d, e), Fars (Khademi *et al.* 2006; Majidi & Akrami 2011), Kerman (Changizi *et al.* 2011a, b), West Azarbaijan (Zarei *et al.* 2011).

Habitat in Iran: Weeds, fruit tree, citrus orchards, soil covered with grass, alfalfa, chickpea, lentil plant, common bean, camelthorn, pagoda tree, liquorice, black locust, leaves, fruits and trunk fiber of date palms.

2. *Molothrognathus bahariensis* Ueckermann & Khanjani, 2003

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2006a, 2007, 2011e; Lotfollahi *et al.* 2010; Bagheri & Ahani-Azad 2012; Navaei-Bonab *et al.* 2012), Kermanshah (Babakfard *et al.* 2008), Hamedan (Ueckermann & Khanjani 2003), Razavi Khorasan (Rahmdeli *et al.* 2011), Kerman (Changizi *et al.* 2011a, b).

Habitat in Iran: Field and also trees, weeds, clover, soil sample, common bean, black locust, grass, alfalfa fields, camelthorn, soil of apple and pear orchards, soil of squash fields.

3. *Molothrognathus fulgidus* Summers & Schlinger, 1955

Distribution in Iran: Hamedan (Khanjani & Kamali 1993, 2000b; Ueckermann & Khanjani 2003; Khanjani & Mirab-Balou 2004), Khuzestan (Kamali *et al.* 2001).

Habitat in Iran: Fabaceae plants, bean plant, locoweed, camelthorn, *Sorghum* sp., date palm, pagoda tree, sophore.

4. *Molothrognathus mehrnejadi* Liang & Zhang, 1997

Distribution in Iran: Kerman (Liang & Zhang 1997; Changizi *et al.* 2011a, b), Isfahan (Jalaeian *et al.* 2005a), Hamedan (Ueckermann & Khanjani 2003), Razavi Khorasan (Rahmdeli *et al.* 2011), Sistan and Baluchestan (Savadi *et al.* 2011), Fars (Majidi & Akrami 2011; Yazdanpanah *et al.* 2012a, b), East Azarbaijan (Gheblealivand *et al.* 2011a; Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012; Bagheri & Ahani-Azad 2012), West Azarbaijan (Zarei *et al.* 2011).

Habitat in Iran: Fruit tree foliage, weeds, soil of plum orchards, grass, pagoda tree, camelthorn, common bean, clover, pistachio collar soil, pistachio bark stem, soil of fruit orchards, soil of alfalfa fields, leaves, fruits and trunk fiber of date palms, orchards and crop fields, soil under oak trees.

5. *Molothrognathus mikaeli* Bagheri & Ahani-Azad, 2012

Distribution in Iran: East Azarbaijan (Ahani-Azad & Bagheri 2012).

Habitat in Iran: Soil from black cherry and pear orchards.

6. *Molothrognathus minutus* Soliman, 1971

Distribution in Iran: Hamedan (Khanjani & Kamali 1993).

Habitat in Iran: Fabaceae plants, leaf litter.

7. *Molothrognathus phytocolus* Meyer & Ueckermann, 1989

Distribution in Iran: Markazi (Soroosh & Kamali 2002b).

Habitat in Iran: Pomegranate orchard.

8. *Molothrognathus terrulentus* Meyer & Ueckermann, 1989

Distribution in Iran: Hamedan (Khanjani & Kamali 2000b), Khuzestan (Barimani-Varandi & Kamali 2000), West Azarbaijan (Haddad Irani-Nejad *et al.* 2005).

Habitat in Iran: Bean plant, cypress trees, camelthorn, pagoda tree, locust tree, locoweed, chick pea, liquorice, soil and leaf litter samples, sugar beet.

9. *Molothrognathus tumipalpus* Meyer & Ueckermann, 1989

Distribution in Iran: Kerman (Changizi *et al.* 2011a, b).

Habitat in Iran: Soil samples.

Remarks: Ahani-Azad & Bagheri (2012) reported four species of this genus from Iran including one new species. As far as we know, nine species of this genus have been reported from Iran to date.

Genus *Neognathus* Willmann, 1952

1. *Neognathus eupalopus* Meyer & Ueckermann, 1989

Distribution in Iran: Kerman (Changizi *et al.* 2011b), West Azarbaijan (Zarei *et al.* 2011), East Azarbaijan (Bagheri & Ahani-Azad 2012).

Habitat in Iran: Orchards and crop fields; Weeds.

2. *Neognathus spectabilis* (Summers & Schlinger, 1955)

Stigmagnathus spectabilis Summers & Schlinger, 1955 (Original designation).

Distribution in Iran: Razavi Khorasan (Rahmdeli *et al.* 2011), West Azarbaijan (Zarei *et al.* 2011).

Habitat in Iran: Soil of fruit orchards, weeds.

3. *Neognathus terrestris* (Summers & Schlinger, 1955)

Stigmagnathus terrestris Summers & Schlinger, 1955 (Original designation).

Distribution in Iran: Hamedan (Ueckermann & Khanjani 2003; Rostami *et al.* 2010d, e, 2012), West Azarbaijan (Haddad Irani-Nejad *et al.* 2005; Zarei *et al.* 2011), Razavi Khorasan (Rahmdeli *et al.* 2011), Kerman (Changizi *et al.* a, b), East Azarbaijan (Gheblealivand *et al.* 2011a; Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012; Bagheri & Ahani-Azad 2012), Golestan (Shirinbeik-Mohajer *et al.* 2012).

Habitat in Iran: Crops, weeds, pear orchards, soil of alfalfa fields, sugar beet, soil under pagoda tree, soil samples from plum orchards.

4. *Neognathus ueckermanni* Bagheri, Doğan & Haddad Irani-Nejad, 2010

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2010a, e).

Habitat in Iran: Soil of alfalfa fields.

Genus *Paraneognathus* Fan, 2000

1. *Paraneognathus oblongus* (Soliman, 1971)

Neognathus oblongus Soliman, 1971 (Original designation).

Distribution in Iran: Guilan (Noei *et al.* 2008).

Habitat in Iran: Stored rice.

2- *Paraneognathus wangae* (Fan & Li, 1995)

Sinognathus wangae Fan & Li, 1995 (Original designation).

Distribution in Iran: Markazi (Ardeshir & Bagheri 2012).

Habitat in Iran: Stored wheat in flour mills.

Remarks: Ardeshir & Bagheri (2012) mentioned this genus as new record for Iran and ignored the earlier work by Noei *et al.* (2008) from northern part of Iran.

Family Camerobiidae Southcott, 1957

Genus *Neophyllobius* Berlese, 1886

1. *Neophyllobius asalii* Khanjani & Ueckermann, 2006

Distribution in Iran: Lorestan (Khanjani & Ueckermann 2006).

Habitat in Iran: Samples of grass litter.

2. *Neophyllobius astragalusi* Khanjani & Ueckermann, 2002

Distribution in Iran: Hamedan (Khanjani & Ueckermann 2002a; Khanjani & Mirab-Balou 2004), Fars (Yazdanpanah *et al.* 2012a, b).

Habitat in Iran: Samples of soil under astragal plant, soil under oak trees.

3. *Neophyllobius bamiensis* Khanjani, Asadabadi, Izadi & Doğan, 2012

Distribution in Iran: Kerman (Khanjani *et al.* 2012b).

Habitat in Iran: Bark of date trees.

4. *Neophyllobius camelli* Khanjani & Ueckermann, 2002

Distribution in Iran: Guilan (Khanjani & Ueckermann 2002a).

Habitat in Iran: Litter of tea.

5. *Neophyllobius combreticola* Bolland, 1991

Distribution in Iran: Markazi (Soroosh & Kamali 2002b).

Habitat in Iran: Pomegranate orchards.

6. *Neophyllobius kamalii* Khanjani, Asali-Fayaz & Ghanbalani, 2010

Distribution in Iran: Kermanshah (Khanjani *et al.* 2010a).

Habitat in Iran: Pomegranate leaves infested by *Cenopalpus irani* Dosse, 1971.

7. *Neophyllobius mitrae* Khanjani, Molavi & Ueckermann, 2011

Distribution in Iran: Khuzestan (Khanjani *et al.* 2011d).

Habitat in Iran: Soil under date trees.

8. *Neophyllobius niloticus* Bolland, 1991

Distribution in Iran: Kerman (Dehghan-Dolati *et al.* 2011).

Habitat in Iran: Leaves, trunk and soil under palm trees.

9. *Neophyllobius persiaensis* Khanjani & Ueckermann, 2002

Distribution in Iran: Hamedan (Khanjani & Ueckermann 2002a), Kerman (Changizi *et al.* 2011a, b), East Azarbaijan (Gheblealivand *et al.* 2011a; Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012), West Azarbaijan (Zarei *et al.* 2011).

Habitat in Iran: Samples of litter near road and litter under sophore plant, orchards and crop fields, weeds, soil of apple orchards, soil of alfalfa fields.

Remarks: Navaei-Bonab *et al.* (2012) claimed recording this species for the first time from East Azarbaijan province, but this species was reported before, as mentioned above.

10. *Neophyllobius pistaciae* Bolland & Mehrnejad, 2001

Distribution in Iran: Fars (Khademi *et al.* 2006), Kerman (Bolland & Mehrnejad 2001; Mehrnejad & Ueckermann 2001), Hamedan (Khanjani & Ueckermann 2002a).

Habitat in Iran: Citrus orchards, bark of trees, leaves and twigs of Mt. atlas mastic tree,

pistachio orchards infested with scale insect colonies, astragal, soil covered with clover, alfalfa fields.

11. *Neophyllobius zolfigolii* Khanjani, Asali-Fayaz & Ghanbalani, 2010

Distribution in Iran: Hamedan (Khanjani *et al.* 2010a), Razavi Khorasan (Salarzahi *et al.* 2012).

Habitat in Iran: Soil under wild rose bush, soil of vineyards.

Genus: *Tycherobius* Bolland, 1986

1. *Tycherobius farsiensis* Khanjani, Yazdanpanah, Ostovan & Asali-Fayaz, 2012

Distribution in Iran: Fars (Khanjani *et al.* 2012e).

Habitat in Iran: Soil and rotten leaves under oak trees.

2. *Tycherobius iranensis* Khanjani, Yazdanpanah, Ostovan & Asali-Fayaz, 2012

Distribution in Iran: Fars (Khanjani *et al.* 2012e).

Habitat in Iran: Soil and rotten leaves under oak trees.

3. *Tycherobius ueckermanni* Khanjani, Yazdanpanah, Ostovan & Asali-Fayaz, 2012

Distribution in Iran: Fars (Khanjani *et al.* 2012e).

Habitat in Iran: Soil and rotten leaves under oak trees.

Remarks: Jalaeian & Nourbakhsh (2005) and then Nejadqanbar *et al.* (2011) reported two unidentified species of *Tycherobius* from Iran. Therefore, the work by Khanjani *et al.* (2011) was not the first report of the genus from Iran.

Family Cryptognathidae Oudemans, 1902

Genus *Favognathus* Luxton, 1973

1. *Favognathus mirazii* Khanjani & Ueckermann, 2008

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2006a, 2011e), Kurdistan (Khanjani & Ueckermann 2008b), Fars (Beyzavi & Ostovan 2012).

Habitat in Iran: Soil of orchards, field crops, weeds, soil under pear tree, soil in strawberry fields, soil and humus under oak trees.

Remarks: This species was described by Khanjani & Ueckermann in 2008, based on same material collected by Mohammad Bagheri, Bagheri *et al.* (2006a) used this name in an abstract two years before valid publication.

2. *Favognathus luxtoni* Koc & Ayyildiz, 1999

Distribution in Iran: East Azarbaijan (Gheblealivand *et al.* 2011a).

Habitat in Iran: Orchards and field crops.

Family Eupalopsellidae Willmann, 1952

Genus *Eupalopsellus* Sellnick, 1949

1. *Eupalopsellus crotovallaris* Van-Dis & Ueckermann, 1993

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2006a).

Habitat in Iran: Soil of orchards, field and also trees, crops, weeds.

2. *Eupalopsellus hamedaniensis* Khanjani, Eghbalian, Ueckermann & Pourmirza, 2007

Distribution in Iran: Hamedan (Khanjani *et al.* 2007, 2011f; Eghbalian *et al.* 2007; Khanjani & Eghbalian 2008b; Rostami *et al.* 2010a, b, c, d, e, 2011, 2012).

Habitat in Iran: Cherry and plum leaves infested with *Bryobia rubrioculus* (Scheuten, 1857), fruit trees, crop fields, soil samples of plum orchards, weeds, yarrow.

3. *Eupalopsellus olandicus* Sellnick, 1949

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2006a), Razavi Khorasan (Sadeghi-Nameghi 2010).

Habitat in Iran: Soil of orchards, field and also trees, crop fields, weeds.

4. *Eupalopsellus prasadi* Bagheri & Khanjani, 2009

Distribution in Iran: Zanjan (Bagheri & Khanjani 2009), East Azarbaijan (Bagheri *et al.* 2011e).

Habitat in Iran: Soil under apple tree.

5. *Eupalopsellus ueckermanni* Khanjani, Masoudian & Asali-Fayaz, 2011

Distribution in Iran: Hamedan (Khanjani *et al.* 2011c).

Habitat in Iran: Yarrow plant foliage infested with *Tetranychus urticae* Koch, 1836.

Family Raphignathidae Kramer, 1877

Genus *Raphignathus* Dugès, 1834

1. *Raphignathus aciculatus* Fan, 2000

Distribution in Iran: East Azarbaijan (Ghorbani *et al.* 2010, 2013).

Habitat in Iran: Soil of apricot orchards.

2. *Raphignathus aethiopicus* Meyer & Ryke, 1960

Distribution in Iran: Golestan (Shirinbeik-Mohajer *et al.* 2012).

Habitat in Iran: Soil samples.

3. *Raphignathus africanus* Smith-Meyer & Ueckermann, 1989

Distribution in Iran: Razavi Khorasan (Doğan *et al.* 2012).

Habitat in Iran: Soil of orchards.

4. *Raphignathus atyeoi* Smith-Meyer & Ueckermann, 1989

Distribution in Iran: Kerman (Dehghan-Dolati *et al.* 2011).

Habitat in Iran: Leaves, trunk and soil under palm trees.

5. *Raphignathus azarshahriensis* Ahani-Azad, Bagheri, Gharakhani & Zarei, 2012

Distribution in Iran: East Azarbaijan (Ahani-Azad *et al.* 2012b).

Habitat in Iran: Soil of black cherry, walnut and almond orchards.

6. *Raphignathus bakeri* Zaher & Gomaa, 1980

Distribution in Iran: West Azarbaijan (Mosavi *et al.* 2004), Fars (Sahraeian *et al.* 2006), Zanjan (Rahmani *et al.* 2011).

Habitat in Iran: Potato fields, date palm, weeds, crop fields.

7. *Raphignathus collegiatus* Atyeo, Baker & Crossley, 1961

Distribution in Iran: Ardabil (Haddad Irani-Nejad *et al.* 1999), Isfahan (Jalaeian *et al.* 2005a), Hamedan (Khanjani & Ueckermann 2003; Rostami *et al.* 2010d, 2012), Kerman (Changizi *et al.* 2011a, b), East Azarbaijan (Gheblealivand *et al.* 2011a), West Azarbaijan (Zarei *et al.* 2011), Fars (Arabzadeh *et al.* 2012).

Habitat in Iran: Cotton field soil samples, fruit tree foliage, weeds, soil sample of plum orchards, soil underneath liquorice, orchards and crop fields, bark of apple trees

damaged by scolytids.

Remarks: This species was reported first by Haddad Irani-Nejad *et al.* (1999) and not by Khanjani & Ueckermann (2003).

8. *Raphignathus ehari* Zaher & Gomaa, 1980

Distribution in Iran: Ardabil (Haddad Irani-Nejad *et al.* 1999).

Habitat in Iran: Cotton field soil samples.

9. *Raphignathus giselae* Smith-Meyer & Ueckermann, 1989

Distribution in Iran: Guilan (Noei *et al.* 2008), East Azarbaijan (Ghorbani *et al.* 2010, 2013; Gheblealivand *et al.* 2011a; Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012; Ahani-Azad *et al.* 2012a), Ardabil (Haddad Irani-Nejad *et al.* 1999), Isfahan (Jalaeian *et al.* 2005a), Kerman (Changizi *et al.* 2011), Fars (Majidi & Akrami 2011) (Changizi *et al.* 2011b), West Azarbaijan (Zarei *et al.* 2011), Razavi Khorasan (Paktinat-Saeed *et al.* 2012a).

Habitat in Iran: Stored rice, soil of pomegranate orchards, soil of crop fields like cotton and sunflower, weeds, fruit tree foliage, leaves, fruits and trunk fiber of date palms, soil of apple orchards, soil under apricot trees.

Remarks: Ghorbani *et al.* (2013) inadvertently claimed to record this species from East Azarbaijan.

10. *Raphignathus gracilis* (Rack, 1962)

Acheles gracilis Rack, 1962 (Original designation).

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2006a, 2011e; Ghorbani *et al.* 2010, 2013; Gheblealivand *et al.* 2011a; Navaei-Bonab *et al.* 2012; Ahani-Azad *et al.* 2012a), West Azarbaijan (Haddad Irani-Nejad *et al.* 2005; Zarei *et al.* 2011), Khuzestan (Darvish-Zadeh & Kamali 2009), Kerman (Mehrnejad & Ueckermann 2001), Ardabil (Haddad Irani-Nejad *et al.* 1999).

Habitat in Iran: Soil of orchards, field crops, weeds, cotton field soil samples, sugar beet, grapevine, pistachio orchards, soil of apple orchards, soil of alfalfa and wheat fields.

Remarks: Ghorbani *et al.* (2013) claimed to record this species for the first time from East Azarbaijan ignoring some earlier works.

11. *Raphignathus hecmatanaensis* Khanjani & Ueckermann, 2003

Distribution in Iran: Fars (Sahraeian *et al.* 2006; Khademi *et al.* 2006; Majidi & Akrami 2011; Beyzavi & Ostovan 2012), Guilan (Noei *et al.* 2008), Hamedan (Khanjani & Ueckermann 2003; Rostami *et al.* 2010d, e, 2012), East Azarbaijan (Ghorbani *et al.* 2010, 2013; Gheblealivand *et al.* 2011a; Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012; Ahani-Azad *et al.* 2012a), Tehran (Kamali *et al.* 2006), Kermanshah (Khanjani & Ueckermann 2003), Kerman (Changizi *et al.* 2011a, b; Dehghan-Dolati *et al.* 2011), West Azarbaijan (Zarei *et al.* 2011).

Habitat in Iran: Date palm, stored rice, crop fields, soil samples, weeds, fruit orchards, citrus orchards, sample of grasses, soil covered with wheat, sample of tragacanth, pagoda tree and liquorice plants, leaves, fruits and trunk fiber of date palms, soil of apple orchards, soil of alfalfa fields, soil of plum orchards, soil and humus under oak trees.

Remarks: According to our data, this species is the most diverse *Raphignathus* in Iran. Not aware of previous works, Ghorbani *et al.* (2013) claimed that their record was the

first for East Azarbaijan province. They also overlooked the records of this species from other parts of Iran.

12. *Raphignathus hexeris* Chaudhri, 1979

Distribution in Iran: Hamedan (Khanjani & Kamali 1993).

Habitat in Iran: Fabaceae plants, soil sample.

13. *Raphignathus larestanensis* Bagheri, Akrami & Majidi, 2012

Distribution in Iran: Fars (Bagheri *et al.* 2012a).

Habitat in Iran: Fibers of date palms.

14. *Raphignathus protaspus* Khanjani & Ueckermann, 2003

Distribution in Iran: Hamedan (Khanjani & Ueckermann 2003; Rostami *et al.* 2010d, e), East Azarbaijan (Ghorbani *et al.* 2010; Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012), Fars (Beyzavi & Ostovan 2012).

Habitat in Iran: Crop fields, weeds, fruit orchards, soil of alfalfa fields, pagoda tree, soil of barely fields, black locust, wheat, grass, soil and humus under oak trees.

15. *Raphignathus saboorii* Ghorbani & Bagheri, 2011

Distribution in Iran: East Azarbaijan (Ghorbani *et al.* 2011).

Habitat in Iran: Soil of apple orchards.

16. *Raphignathus sceptrum* Chaudhri, 1979

Distribution in Iran: East Azarbaijan (Ghorbani *et al.* 2010; Bagheri *et al.* 2011e).

Habitat in Iran: Soil of orchards.

17. *Raphignathus zhaoui* Hu, Jing & Liang, 1995

Distribution in Iran: East Azarbaijan (Ghorbani *et al.* 2010, 2013; Gheblealivand *et al.* 2011a; Bagheri *et al.* 2011e; Ahani-Azad *et al.* 2012a), Fars (Khademi *et al.* 2006; Beyzavi & Ostovan 2012), Kerman (Changizi *et al.* 2011a, b; Mahdavi & Asadi 2011), West Azarbaijan (Zarei *et al.* 2011), Golestan (Shirinbeik-Mohajer *et al.* 2012), Razavi Khorasan (Paktinat-Saej *et al.* 2012a), Sistan and Baluchestan (Sayadi *et al.* 2012).
Habitat in Iran: Soil of pomegranate orchards, citrus and apple trees, crop fields, weeds, soil and humus under oak trees, stored product.

Remarks: In the abstract book of the 12th International Congress of Acarology, Khademi *et al.* (2006) mentioned to a new species name of *Raphignathus*. Since there has not been any description of *R. farsiensis* published yet, we consider that name as nomen nudum.

Family Stigmaeidae Oudemans, 1931

Genus *Agistemus* Summers, 1960

1. *Agistemus bakeri* Gonzalez-Rodriguez, 1965

Distribution in Iran: Khuzestan (Kamali 1989; Shishehbor & Kamali 1990a).

Habitat in Iran: Fig trees.

2. *Agistemus collyerae* Gonzalez-Rodriguez, 1963

Distribution in Iran: Ardabil (Rahmani *et al.* 2010b), Golestan (Shirinbeik-Mohajer *et al.* 2012).

Habitat in Iran: leaves of olive trees infested with eriophyid mites, fig trees, soil samples.

Remarks: This species was reported for the first time by Rahmani *et al.* (2011) and not

by Shirinbeik-Mohajer *et al.* (2012).

3. *Agistemus industani* Gonzalez-Rodriguez, 1965

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012), Golestan (Shirinbeik-Mohajer *et al.* 2012), Razavi Khorasan (Paktinat-Saeed *et al.* 2012a).

Habitat in Iran: Soil samples of pomegranate orchards; leaves of squash plant and apple trees.

4. *Agistemus macrommatus* Gonzalez-Rodriguez, 1965

Distribution in Iran: Golestan (Sepasgozarian 1976, 1977) (Khanjani & Ueckermann 2002b).

Habitat in Iran: Citrus trees, apple trees.

Genus *Cheylostigmaeus* Willmann, 1951

1. *Cheylostigmaeus ferdowsii* Khanjani, Raisii, Izadi & Ueckermann, 2010

Distribution in Iran: South Khorasan (Khanjani *et al.* 2010b), Kerman (Izadi *et al.* 2010b).

Habitat in Iran: Soil samples under pomegranate trees, soil under palms and citrus trees.

2. *Cheylostigmaeus gharakhanii* Navaei-Bonab & Bagheri, 2011

Distribution in Iran: West Azarbaijan (Bagheri *et al.* 2011b), East Azarbaijan (Navaei-Bonab *et al.* 2011; Gheblealivand *et al.* 2011a).

Habitat in Iran: Soil and leaves of orchards and field crops, orchards and weeds, soil of apple orchards.

3. *Cheylostigmaeus hassanpouri* Bagheri, 2011

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2011a).

Habitat in Iran: Soil samples of apple orchards.

4. *Cheylostigmaeus iranensis* Khanjani & Ueckermann, 2002

Distribution in Iran: Isfahan (Jalaeian *et al.* 2005a), Hamedan (Khanjani & Ueckermann 2002b), East Azarbaijan (Bagheri *et al.* 2007, 2011e; Lotfollahi *et al.* 2010; Navaei-Bonab *et al.* 2012).

Habitat in Iran: Fruit tree foliage, weeds, soil sample, soil covered with alfalfa, soil under european pear, alfalfa fields, soil of apple orchards.

Genus *Eryngiopus* Summers, 1964

1. *Eryngiopus gracilis* Summers, 1964

Distribution in Iran: Mazandaran (Faraji & Kamali 1993).

Habitat in Iran: Citrus orchards.

2. *Eryngiopus harteni* Van-Dis & Ueckermann, 1993

Distribution in Iran: Kerman (Dehghan-Dolati *et al.* 2011).

Habitat in Iran: Leaves; Trunk and soil under palm trees.

Genus *Eustigmaeus* Berlese, 1910

1. *Eustigmaeus anauniensis* (Canestrini, 1889)

Raphignathus anauniensis Canestrini, 1889 (Original designation).

Raphignathus pectinatus Ewing, 1917; *Ledermuelleria pectinatus*.– Oudemans, 1923

(Synonymized by Wood, 1973).

Eustigmaeus granulatus Willmann, 1951 (Synonymized by Summers, 1957).

Distribution in Iran: Razavi Khorasan (Doğan *et al.* 2012; Paktinat-Saeed *et al.* 2012a, b).

Habitat in Iran: Soil of apple, pomegranate, pear and quince orchards.

2. *Eustigmaeus azerbaijanensis* Haddad Irani-Nejad, Lotfollahi & Akbari, 2011

Distribution in Iran: East Azarbaijan (Haddad Irani-Nejad *et al.* 2011; Gheblealivand *et al.* 2011a, b).

Habitat in Iran: Soil samples of apple orchards and field crops.

3. *Eustigmaeus dogani* Khanjani, Asali-Fayaz, Mirmoayedi & Ghaedi, 2011

Distribution in Iran: Kurdistan (Khanjani *et al.* 2011e), Kermanshah (Khanjani *et al.* 2011e).

Habitat in Iran: Soil samples of alfalfa, samples of lichen and soil under wild walnut trees.

4. *Eustigmaeus ioanninensis* Kapaxidi & Papadoulis 1999

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012).

Habitat in Iran: Soil of apple orchards, soil of sunflower fields, soil of alfalfa fields, soil of barely fields.

5. *Eustigmaeus jiangxiensis* Hu, Chen & Huang, 1996

Distribution in Iran: Mazandaran (Kheradmand *et al.* 2007).

Habitat in Iran: Soil sample.

6. *Eustigmaeus nahidae* Gheblealivand & Bagheri, 2012

Distribution in Iran: East Azarbaijan (Gheblealivand *et al.* 2012).

Habitat in Iran: Soil of apple orchards.

7. *Eustigmaeus nasrinae* Khanjani & Ueckermann, 2002

Distribution in Iran: Hamedan (Khanjani & Ueckermann 2002b), West Azarbaijan (Bagheri *et al.* 2011b), East Azarbaijan (Lotfollahi *et al.* 2010; Gheblealivand *et al.* 2011a, b; Navaei-Bonab *et al.* 2012), Golestan (Shirinbeik-Mohajer *et al.* 2012), Fars (Beyzavi & Ostovan 2012).

Habitat in Iran: Soil under european pear, orchards and weeds, soil samples of orchards, alfalfa fields, soil of wheat and sunflower fields, soil of apple orchards, soil and humus under oak trees.

8. *Eustigmaeus ornatus* Ueckermann & Smith-Meyer, 1987

Distribution in Iran: Tehran (Kamali *et al.* 2006).

Habitat in Iran: Soil sample.

9. *Eustigmaeus plumifer* (Halbert, 1923)

Raphignathus plumifer Halbert, 1923 (Original designation).

Distribution in Iran: West Azarbaijan (Bagheri *et al.* 2011b).

Habitat in Iran: Soil and leaves of crops; orchards and weeds.

10. *Eustigmaeus sculptus* Doğan, Ayyildiz & Fan, 2003

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2006a, b, 2011e; Akbari *et al.* 2010; Lotfollahi *et al.* 2010).

Habitat in Iran: Crop foliage, weed, soil samples, alfalfa fields.

11. *Eustigmaeus segnis* (Koch, 1836)

Caligonus segnis Koch, 1836 (Original designation).

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2006b, e; Akbari *et al.* 2010; Gheblealivand *et al.* 2011a, b; Navaei-Bonab *et al.* 2012), Hamedan (Khanjani & Ueckermann 2002), West Azarbaijan (Bagheri *et al.* 2011b; Zarei *et al.* 2011), Zanjan (Rahmani *et al.* 2011), Kerman (Izadi *et al.* 2010b), Kermanshah (Darb-Emamieh *et al.* 2008b), Golestan (Shirinbeik-Mohajer *et al.* 2012), Fars (Beyzavi & Ostovan 2012). Habitat in Iran: Crop foliages, weed, soil samples of orchards and field crops, soil under sainfoins, soil and leaves of crops, soil of citrus, palm and pomegranate orchards, soil of fig orchards, soil of wheat fields, soil of alfalfa fields, soil of barely fields, soil and humus under oak trees.

12. *Eustigmaeus setiferus* Bagheri, Saber, Ueckermann, Ghorbani & Navaei-Bonab, 2011.

Distribution in Iran: West Azarbaijan (Bagheri *et al.* 2011b), East Azarbaijan (Bagheri *et al.* 2011c; Gheblealivand *et al.*, 2011a, b).

Habitat in Iran: Soil and leaves of plants, orchards and weeds, soil of apple orchards.

13. *Eustigmaeus spathatus* Ueckermann & Smith-Meyer, 1987

Distribution in Iran: Khuzestan (Darvish-Zadeh & Kamali 2009), Tehran (Kamali *et al.* 2006).

Habitat in Iran: Grapevine, soil sample.

Genus *Ledermuelleriopsis* Willmann, 1953

1. *Ledermuelleriopsis ariyai* Khanjani, Mohammadi, Ghiasi, Izadi & Mirmoayedi, 2012

Distribution in Iran: Hamedan (Khanjani *et al.* 2012f).

Habitat in Iran: Cherry leaves infested by *Bryobia rubrioculus* (Scheuten, 1857).

2. *Ledermuelleriopsis dogani* Khanjani, Pakdelan, Ostovan & Khanjani, 2012

Distribution in Iran: Fars (Khanjani *et al.* 2012c).

Habitat in Iran: Soil under japanese spindle and stone pine plants.

3. *Ledermuelleriopsis medicae* Khanjani & Ueckermann, 2002

Distribution in Iran: Hamedan (Khanjani & Ueckermann 2002b).

Habitat in Iran: Soil under alfalfa.

4. *Ledermuelleriopsis plumosa* Willmann, 1951

Distribution in Iran: Hamedan (Khanjani & Ueckermann 2002b), West Azarbaijan (Bagheri *et al.* 2011b; Zarei *et al.* 2011), Kerman (Changizi *et al.* 2011a, b), East Azarbaijan (Bagheri *et al.* 2006b, 2011e; Lotfollahi *et al.* 2010; Gheblealivand *et al.* 2011a, b; Navaei-Bonab *et al.* 2012), Kermanshah (Darb-Emamieh *et al.* 2008b). Habitat in Iran: Crop foliage, weed, soil under common bean, soil covered with grass, soil and leaves of crops, alfalfa fields, grapevines soil, soil of wheat, barely fields.

5. *Ledermuelleriopsis punicae* Khanjani, Mohammadi, Ghiasi, Izadi & Mirmoayedi, 2012

Distribution in Iran: Kerman (Khanjani *et al.* 2012f).

Habitat in Iran: Soil under pomegranate trees.

6. *Ledermuelleriopsis terrulenta* Ueckermann & Smith-Meyer, 1987

Distribution in Iran: Hamedan (Khanjani & Kamali 2000b).

Habitat in Iran: Bean plant.

7. *Ledermuelleriopsis zahiri* Khanjani & Ueckermann, 2002

Distribution in Iran: Kermanshah (Babakfard *et al.* 2008), East Azarbaijan (Bagheri *et al.* 2006b, 2011e; Akbari *et al.* 2010; Lotfollahi *et al.* 2010; Gheblealivand *et al.* 2011a, b; Navaei-Bonab *et al.* 2012), Hamedan (Khanjani & Ueckermann 2002b; Rostami *et al.* 2010d, e, 2012) Fars (Khademi *et al.* 2006), West Azarbaijan (Bagheri *et al.* 2011b; Zarei *et al.* 2011), Razavi Khorasan (Paktinat-Saej *et al.* 2012a).

Habitat in Iran: Fruit orchards, soil samples of plum orchards, weeds, crop foliages, citrus orchards, soil under european pear, soil underneath tragacanth plant, soil under liquorice, soil and leaves of crops, alfalfa fields, soil of wheat fields, soil of apple and pomegranate orchards.

Genus *Mediolata* Canestrini, 1889

1. *Mediolata belfieldi* Momen, 1987

Distribution in Iran: West Azarbaijan (Bagheri *et al.* 2011b).

Habitat in Iran: Soil and leaves of crops; Orchards and weeds.

Genus *Parastigmaeus* Kuznetzov, 1984

1. *Parastigmaeus andreae* Khanjani & Ueckermann, 2002

Distribution in Iran: Hamedan (Khanjani & Ueckermann 2002b).

Habitat in Iran: Soil underneath sophore plant.

Genus *Prostigmaeus* Kuznetzov, 1984

1. *Prostigmaeus khanjanii* Bagheri & Ghorbani, 2010

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2010b, e).

Habitat in Iran: Soil samples.

2. *Prostigmaeus molaviae* Khanjani, Asali-Fayaz & Doğan, 2012

Distribution in Iran: Hamedan (Khanjani *et al.* 2012a).

Habitat in Iran: Soil under gum bushes.

Genus *Stigmaeus* Koch, 1836

1. *Stigmaeus alvandis* Khanjani & Ueckermann, 2002

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2006b, 2011e), Hamedan (Khanjani & Ueckermann 2002b).

Habitat in Iran: Crop foliages, weeds, soil under camelthorn plant.

2. *Stigmaeus boshroyehensis* Khanjani, Izadi, Asali-Fayaz, Raisi, Rostami & Doğan, 2010

Distribution in Iran: South Khorasan (Khanjani *et al.* 2010c), Kerman (Changizi *et al.* 2011), East Azarbaijan (Gheblealivand *et al.* 2011a).

Habitat in Iran: Soil under pistachio trees, soil samples of orchards and field crops.

3. *Stigmaeus candidus* Fan & Li, 1993

Stigmaeus mazandaranicus Faraji & Ueckermann, 2006 (Synonymized by Noei *et al.* 2007).

Distribution in Iran: Guilan (Noei *et al.* 2007), Mazandaran (Faraji & Ueckermann 2006).

Habitat in Iran: Samples of stored rice and decayed rice bran.

4. *Stigmaeus cariae* Khanjani, Pishehvar, Mirmoayedi & Khanjani, 2012

Distribution in Iran: Hamedan (Khanjani *et al.* 2012a).

Habitat in Iran: Samples of soil under walnut tree.

5. *Stigmaeus elongatus* Berlese, 1886

Stigmaeus luteus Summers, 1962 (Synonymized by Wood, 1973).

Distribution in Iran: Fars (Sahraeian *et al.* 2006; Khademi *et al.* 2006), Guilan (Noei *et al.* 2007), East Azarbaijan (Bagheri *et al.* 2006b, 2011e; Akbari *et al.* 2010; Lotfollahi *et al.* 2010; Gheblealivand *et al.* 2011a, b; Navaei-Bonab *et al.*, 2012), Hamedan (Khanjani & Ueckermann 2002b; Rostami *et al.* 2010d, e, 2012), West Azarbaijan (Bagheri *et al.* 2011b; Zarei *et al.* 2011), Kerman (Izadi *et al.* 2010b; Changizi *et al.* 2011), Zanjan (Rahmani *et al.* 2011), Razavi Khorasan (Paktinat-Saej *et al.* 2012a, b).

Habitat in Iran: Date palm, stored rice, crops, soil samples of plum orchards, weeds, fruit orchards, crop foliage, citrus orchards, pomegranate and palms, alfalfa fields, soil under camelthorn plant, decayed rice bran, soil and leaves of crops, rice bran, soil of apple orchards, soil of pear and quince orchards.

6. *Stigmaeus fissicomus* Ueckermann & Smith-Meyer, 1987

Distribution in Iran: Ardabil (Haddad Irani-Nejad *et al.* 1999), Tehran (Kamali, M. *et al.* 2006).

Habitat in Iran: Cotton fields, soil sample.

7. *Stigmaeus haddadi* Bagheri & Zarei, 2012

Distribution in Iran: West Azarbaijan (Zarei & Bagheri 2012).

Habitat in Iran: Soil of apple orchards.

8. *Stigmaeus iranensis* Bagheri & Gheblealivand, 2012

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2012b).

Habitat in Iran: Soil of apple orchards.

9. *Stigmaeus kermanshahiensis* Khanjani, Pishehvar, Mirmoayedi & Khanjani, 2012.

Distribution in Iran: Kermanshah (Khanjani *et al.* 2012d).

Habitat in Iran: Samples of soil under walnut tree.

10. *Stigmaeus kermaniensis* Changizi & Bagheri, 2012

Distribution in Iran: Kerman (Changizi *et al.* 2012d).

Habitat in Iran: Soil of pistachio orchards.

11. *Stigmaeus ladanae* Nazari, Khanjani & Kamali, 2012

Distribution in Iran: Hamedan (Nazari *et al.* 2012).

Habitat in Iran: Soil under apple trees.

12. *Stigmaeus longipilis* (Canestrini, 1889)

Stigmaeodes longipilis Canestrini, 1889 (Original designation).

Distribution in Iran: Ardabil (Pahlavan-Yali *et al.* 2011).

Habitat in Iran: Soil under common hazel trees.

13. *Stigmaeus luteus* Summers, 1962

Distribution in Iran: West Azarbaijan (Haddad Irani-Nejad *et al.* 2005).

Habitat in Iran: Soil of sugar beet fields.

14. *Stigmaeus malekii* Haddad Irani-Nejad, Bagheri & Khanjani, 2006

Distribution in Iran: East Azarbaijan (Haddad Irani-Nejad *et al.* 2006; Lotfollahi *et al.* 2010; Bagheri *et al.* 2011e), Hamedan (Rostami *et al.* 2012), Fars (Beyzavi & Ostovan 2012).

Habitat in Iran: Apple litter samples, alfalfa fields, soil samples of plum orchards, soil and humus under oak trees.

15. *Stigmaeus maraghehiensis* Bagheri & Ueckermann, 2012

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2012d).

Habitat in Iran: Soil of apple orchards.

16. *Stigmaeus marandiensis* Bagheri & Ueckermann, 2011.

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2011f; Navaei-Bonab *et al.* 2012).

Habitat in Iran: Soil of apple orchards.

17. *Stigmaeus miandoabiensis* Bagheri & Zarei, 2012

Distribution in Iran: West Azarbaijan (Bagheri & Zarei 2012), East Azarbaijan (Bagheri & Zarei 2012).

Habitat in Iran: Soil of apple orchards.

18. *Stigmaeus nasrinae* Nazari, Khanjani & Kamali, 2012

Distribution in Iran: Hamedan (Nazari *et al.* 2012)

Habitat in Iran: Soil under common windgrass.

19. *Stigmaeus pilatus* Kuznetzov, 1978

Distribution in Iran: Hamedan (Rostami *et al.* 2010d, e, 2012; Khanjani *et al.* 2010c, 2012d), Kerman (Changizi *et al.* 2011), East Azarbaijan (Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012).

Habitat in Iran: Crops, soil under camelthorn, weeds, fruit orchards, soil under plum and apple trees, soil of alfalfa fields, soil of wheat fields, soil under sour cherry trees.

20. *Stigmaeus planus* Kuznetzov, 1978

Distribution in Iran: Razavi Khorasan (Doğan *et al.* 2012).

Habitat in Iran: Soil of orchards.

21. *Stigmaeus pulchellus* Kuznetzov, 1978

Distribution in Iran: West Azarbaijan (Bagheri *et al.* 2011b; Zarei & Bagheri 2012).

Habitat in Iran: Soil and leaves of crops, orchards and weeds, soil of apple orchards.

22. *Stigmaeus shabestariensis* Haddad Irani-Nejad, Lotfollahi & Akbari, 2010

Distribution in Iran: East Azarbaijan (Haddad Irani-Nejad *et al.* 2010b; Navaei-Bonab *et al.* 2012), West Azarbaijan (Bagheri *et al.* 2011b; Zarei *et al.* 2011).

Habitat in Iran: Soil samples of apple orchards, soil and leaves of crops, orchards and weeds, soil of alfalfa fields.

23. *Stigmaeus shendabadiensis* Haddad Irani-Nejad, Akbari & Lotfollahi, 2010

Distribution in Iran: East Azarbaijan (Haddad Irani-Nejad *et al.* 2010a; Bagheri *et al.* 2011e).

Habitat in Iran: Soil samples of apple orchards.

24. *Stigmaeus siculus* (Berlese, 1883)

Calignus siculus Berlese 1883 (Original designation), *Raphignatus siculus*.– Berlese, 1885.

Stigmaeus antrodes Berlese, 1910 (Synonymized by Wood, 1973).

Distribution in Iran: West Azarbaijan (Bagheri *et al.* 2011b; Bagheri & Zarei 2012), East Azarbaijan (Bagheri & Zarei 2012).

Habitat in Iran: Soil and leaves of crops, orchards and weeds, soil of apple orchards.

25. *Stigmaeus sphagneti* (Hull, 1918)

Raphignathus sphagneti Hull, 1918 (Original designation).

Distribution in Iran: East Azarbaijan (Akbari *et al.* 2010).

Habitat in Iran: Soil samples.

26. *Stigmaeus ueckermanni* Pahlavan-Yali, Khanjani & Razmjou, 2011

Distribution in Iran: Ardabil (Pahlavan-Yali *et al.* 2011).

Habitat in Iran: Soil under common hazel tree.

27. *Stigmaeus unicus* Kuznetsov 1977

Distribution in Iran: East Azarbaijan (Akbari *et al.* 2010; Bagheri *et al.* 2011e), Hamedan (Khanjani & Ueckermann 2002b).

Habitat in Iran: Soil samples of plum orchards, soil under camelthorn plant.

Genus *Storchia* Oudemans, 1923

1. *Storchia ardabiliensis* Safasadati, Khanjani, Razmjou & Doğan, 2010

Distribution in Iran: Ardabil (Safasadati *et al.* 2010).

Habitat in Iran: Covered grass soil under common hazel.

2. *Storchia mehrvari* Bagheri & Gheblealivand, 2012

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2012c).

Habitat in Iran: Soil of apple orchards and sugar beet fields.

3. *Storchia pacificus* (Summers, 1964)

Apostigmaeus pacificus Summers, 1964 (Original designation).

Distribution in Iran: Guilan (Noei *et al.* 2007).

Habitat in Iran: Samples of stored rice and decayed rice bran.

4. *Storchia robustus* (Berlese, 1885)

Caligonus robustus Berlese, 1885 (Original designation); *Stigmaeus robustus*.– Berlese, 1910; *Storchia robustus*.– Oudemans, 1923.

Apostigmaeus navicella Grandjean, 1944 (Synonymized by Wood, 1973).

Distribution in Iran: East Azarbaijan (Akbari *et al.* 2010; Gheblealivand *et al.* 2011a, b; Bagheri *et al.* 2011e; Navaei-Bonab *et al.* 2012), Hamedan (Khanjani & Ueckermann 2002b), Guilan (Noei *et al.* 2007), West Azarbaijan (Bagheri *et al.* 2011b; Zarei *et al.* 2011), Kerman (Izadi *et al.* 2010b; Changizi *et al.* 2011a, b), Ardabil (Haddad Irani-Nejad *et al.* 1999).

Habitat in Iran: Cotton leaves and soil samples, samples of stored rice and decayed rice bran, soil samples from orchards and field crops, soil under chickpea, soil and leaves of crops, orchards and weeds, soil of citrus, pomegranate and palm, soil of apple orchards, soil of wheat and sunflower fields.

5. *Storchia yazdani* Bagheri, 2011

Distribution in Iran: Golestan (Bagheri *et al.* 2011d; Shirinbeik-Mohajer *et al.* 2012).

Habitat in Iran: Sample of soil and moss.

Genus *Zetzellia* Oudemans, 1927

1. *Zetzellia kamalii* Kheradmand, Ueckermann & Fathipour, 2007

Distribution in Iran: Tehran (Kheradmand *et al.* 2007).

Habitat in Iran: Soil samples.

2. *Zetzellia mali* (Ewing, 1917)

Caligonus mali Ewing, 1917 (Original designation).

Distribution in Iran: West Azarbaijan (Daneshvar 1979; Mostaan 1986, 1993; Khanjani & Ueckermann 2002b; Atamehr *et al.* 2007; Zarei *et al.* 2011), Alborz (Jamali *et al.* 2001; Rashki *et al.* 2004c; Zahedi-Golpayegani *et al.* 2007, 2010), Razavi Khorasan (Daneshvar 1979; Sadeghi 1995), Zanzan (Rahmani *et al.* 2008c, 2010, 2011), Kermanshah (Daneshvar 1979; Darb-Emamieh *et al.* 2008b, 2009; Babakfard *et al.* 2008), East Azarbaijan (Sepasgozarian 1977; Daneshvar 1978; Bagheri *et al.* 2006b, 2011e; Khodayari *et al.* 2007b, 2008b, c, 2009, 2010; Gheblealivand *et al.* 2011a, b; Navaei-Bonab *et al.* 2012), Tehran (Khalil-Manesh 1972; Sepasgozarian 1972, 1976, 1977; Daneshvar 1979), Isfahan (Jalaeian *et al.* 2005a), Kerman (Changizi *et al.* 2011a, b), Qom (Sepasgozarian 1977), Hamedan (Eghbalian *et al.* 2007).

Habitat in Iran: On the leaves of apple trees, fruit trees, pear, plum, quince, peach and sour cherry trees, crop foliage, weeds, soil under apple trees, soil samples from orchards and field crops, apricot, black cherry.

3. *Zetzellia pourmirzai* Khanjani & Ueckermann, 2008

Distribution in Iran: Kermanshah (Babakfard *et al.* 2008; Khanjani & Ueckermann 2008a; Darb-Emamieh *et al.* 2011b), Hamedan (Khanjani & Eghbalian 2008b; Rostami *et al.* 2012).

Habitat in Iran: Fruit trees, plum leaves infested by phytophagous mite *Eutetranychus orientalis* (Klein, 1836), apple orchards, soil samples of plum orchards.

Superfamily Tetranychoidae

Family Linotetranychidae Baker & Pritchard, 1953

Genus *Linotetranychus* Berlese, 1910

1. *Linotetranychus anatolicus* Doğan & Dönel, 2010

Distribution in Iran: East Azarbaijan (Ghorbani *et al.* 2012).

Habitat in Iran: Soil of wheat dry lands.

2. *Linotetranychus astragalusi* Khanjani, Asali-Fayaz & Khanjani, 2011

Distribution in Iran: Hamedan (Khanjani *et al.* 2011b).

Habitat in Iran: Soil under gum bushes.

3. *Linotetranychus eghbaliani* Khanjani, Mohammadi, Izadi & Khanjani, 2012

Distribution in Iran: Kerman (Khanjani *et al.* 2012e).

Habitat in Iran: Soil beneath apricot and almond trees.

4. *Linotetranychus iraniensis* Khanjani, Asali-Fayaz & Khanjani, 2011

Distribution in Iran: Hamedan (Khanjani *et al.* 2011b).

Habitat in Iran: Soil under gum bushes.

5. *Linotetranychus nikhani* Bagheri & Haddad Irani-Nejad, 2008

Distribution in Iran: East Azarbaijan (Bagheri *et al.* 2008; Lotfollahi *et al.* 2010).

Habitat in Iran: Soil of wheat and alfalfa fields.

Remarks: The oldest report of the family is *Linotetranychus* sp. near. *cylindricus* Berlese, 1910 from Hamedan by Khanjani and Kamali (1998).

Family Tenuipalpidae Berlese, 1913

Genus *Aegyptobia* Sayed, 1950

1. *Aegyptobia beglarovi* Livshitz & Mitrofanov, 1967

Aegyptobia (*Aegyptobia*) *beglarovi*.– Mitrofanov, Bosenko & Bitchevskis, 1975.

Aegyptobia meyeræ Khosrowshahi & Arbabi, 1997 (Name changed to *Aegyptobia Kharazii* by Mesa & Moraes in Mesa *et al.* 2009).

Aegyptobia Kharazii Mesa & Moraes in Mesa *et al.* 2009 (Synonymized by Khanjani Ma. *et al.* 2012b).

Distribution in Iran: Tehran (Khosrowshahi & Arbabi 1997; Abaii 2000), Razavi Khorasan (Sadeghi-Namaghi 2009, 2010), Khuzestan (Kamali 1989), Kurdistan (Khanjani *et al.* 2012b), Kerman (Mahdavi & Asadi 2011; Farzan & Asadi 2011, 2012). Habitat in Iran: Common Juniper, leaves of cypress trees, thuja tree, arizona cypress, norway spruce, barberry plant.

2. *Aegyptobia bromi* Khanjani, Khanjani & Seeman, 2012

Distribution in Iran: Hamedan (Khanjani *et al.* 2012b; Khanjani Ma. *et al.* 2012a).

Habitat in Iran: Leaves of drooping brome under gum bushes.

3. *Aegyptobia glyptus* Pritchard & Baker, 1958

Aegyptobia (*Aegyptobiosys*) *glyptus*.–Mitrofanov & Strunkova, 1979.

Distribution in Iran: Tehran (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984, 1988).

Habitat in Iran: Conifer trees.

4. *Aegyptobia hormozgani* Farzan, Asadi & Ueckermann, 2012

Distribution in Iran: Hormozgan (Farzan & Asadi 2012; Farzan *et al.* 2012b).

Habitat in Iran: Wormwood plant.

5. *Aegyptobia iranensis* Khanjani, Gotoh & Barimani-Varandi, 2008

Distribution in Iran: Mazandaran (Khanjani *et al.* 2008b).

Habitat in Iran: Leaves of common juniper.

6. *Aegyptobia jiroftiensis* Farzan, Asadi & Ueckermann, 2012

Distribution in Iran: Kerman (Farzan & Asadi 2012; Farzan *et al.* 2012b).

Habitat in Iran: Black bindweed.

7. *Aegyptobia nazarii* Khanjani, Khanjani & Seeman, 2012

Distribution in Iran: Hamedan (Khanjani *et al.* 2012b; Khanjani Ma. *et al.* 2012a).

Habitat in Iran: On the leaves of bulbous bluegrass.

8. *Aegyptobia nomus* (Pritchard & Baker, 1953)

Pentamerismus nomus Pritchard & Baker, 1953 (Original designation); *Aegyptobia* (*Aegyptobiosis*) *nomus*.– Mitrofanov & Strunkova 1979.

Distribution in Iran: Razavi Khorasan (Khoshnevis *et al.* 2011).

Habitat in Iran: Orchards.

9. *Aegyptobia pavlovskii* (Reck, 1951)

Brevipalpoides pavlovskii Reck, 1951 (Original designation); *Aegyptobia* (*Aegyptobia*) *pavlovskii*.– Mitrofanov & Strunkova, 1979.

Distribution in Iran: Kerman (Farzan & Asadi 2011; Farzan *et al.* 2012a; Farzan & Asadi 2012).

Habitat in Iran: Joint pine plants, azarole, almond, hawthorn, stone fruit plants.

10. *Aegyptobia persica* Khosrowshahi & Arbabi, 1997

Distribution in Iran: Tehran (Khosrowshahi & Arbabi 1997), Kerman (Khanjani Ma. *et al.* 2012b; Mohammadi *et al.* 2012).

Habitat in Iran: Ribwort plantain, soil beneath ribwort plantain beneath almond trees, fruit trees.

11. *Aegyptobia pirii* Khanjani, Zahiri & Khanjani, 2013

Distribution in Iran: Hamedan (Khanjani *et al.* 2013).

Habitat in Iran: On the leaves of drooping brome.

12. *Aegyptobia tragardhi* Sayed, 1950

Pentamerismus tragardhi.– Baker & Pritchard, 1953; *Aegyptobia (Aegyptobia) tragardhi*.–Mitrofanov, Bosenko & Bitchevskis, 1975.

Aegyptobia ueckermanni Khosrowshahi & Arbabi, 1997 (Synonymized by Khanjani Ma. *et al.* 2012).

Distribution in Iran: Mazandaran (Barimani-Varandi & Kamali 1998a), Tehran (Khosrowshahi & Arbabi 1997; Abaii 2000), Razavi Khorasan (Sadeghi-Namaghi 2009, 2010), Markazi (Baradaran *et al.* 2008b), Zanzan (Rahmani *et al.* 2011), Fars (Sahraeian *et al.* 2006), Khuzestan (Kamali 1989), Hamedan (Khanjani *et al.* 2012b; Khanjani Ma. *et al.* 2012a), Kerman (Mahdavi & Asadi 2011; Farzan & Asadi 2011, 2012).

Habitat in Iran: Conifer trees, leaves of cypress trees, thuja tree, mediterranean cypress, orchards, crop fields, weeds, date palm, apple trees, norway spruce, common juniper, walnut tree, plum tree, pine trees.

13. *Aegyptobia wainsteini* (Bagdasarian, 1962)

Pentamerismus wainstaini Bagdasarian, 1962 (Original designation); *Aegyptobia wainsteini*.– Livschitz & Mitrofanov, 1967; *Aegyptobia (Aegyptobia) wainsteini*.– Mitrofanov & Strunkova, 1979.

Distribution in Iran: Khuzestan (Barimani-Varandi & Kamali 2000).

Habitat in Iran: Cypress trees.

Genus *Brevipalpus* Donnadieu, 1875

1. *Brevipalpus lewisi* McGregor, 1949

Hystripalpus lewisi.– Mitrofanov & Strunkova, 1979.

Distribution in Iran: Guilan (Khalil-Manesh 1972; Sepasgozarian 1976, 1977; Behdad 1984), Mazandaran (Khalil-Manesh 1972; Sepasgozarian 1976, 1977; Behdad 1984), Lorestan (Khosrowshahi & Arbabi 1997), Tehran (Khosrowshahi & Arbabi 1997), Fars (Khademi *et al.* 2006), Razavi Khorasan (Sadeghi-Namaghi 2009, 2010), Golestan (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984), Sistan and Baluchestan (Arbabi *et al.* 2002), Kerman (Mahdavi & Asadi 2011; Farzan & Asadi 2011, 2012).

Habitat in Iran: Ornamental plants, eggplant, citrus orchards, apple trees, pear trees, liliac, grapevine, guava, papaya, alfalfa.

Remarks: Arbabi *et al.* (2002) claimed *B. lewisi* as the first record for Iran ignoring some earlier studies.

2. *Brevipalpus mcgregori* Baker, 1949

Distribution in Iran: Golestan (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1988; Khosrowshahi & Arbabi 1997).

Habitat in Iran: Poplar trees.

3. *Brevipalpus obovatus* Donnadieu, 1875

Brevipalpus pereger Donnadieu, 1875 (Synonymized by Pritchard & Baker, 1958).
Tenuipalpus inornatus Banks, 1912; *Brevipalpus inornatus*.– Baker, 1945 (Synonymized by Pritchard & Baker, 1958).

Tenuipalpus bioculatus McGregor, 1914; *Brevipalpus bioculatus*.– McGregor, 1916 (Synonymized by McGregor, 1949).

Tenuipalpus pseudocuneatus Blanchard, 1940; *Brevipalpus pseudocuneatus*.– Baker 1949 (Synonymized by Pritchard & Baker, 1952).

Brevipalpus amicus Chaudhri, 1972 (Synonymized by Mesa *et al.* 2009).

Brevipalpus origanum Baker, Tuttle & Abbatiello, 1975 (Synonymized by Welbourn *et al.* 2003).

Brevipalpus assamensis Sadana & Gupta, 1983 (Synonymized by Mesa *et al.* 2009).

Distribution in Iran: Mazandaran (Farahbakhsh 1961; Khalil-Manesh 1969, 1972; Sepasgozarian 1971b, 1972, 1976, 1977; Esmaeili 1983; Behdad 1988; Habibian 1989; Zomorodi 1991; Khosrowshahi & Arbabi 1997; Taghavi *et al.* 1998a, b; Barimani-Varandi & Kamali 1998a; Mehran 1998; Barimani-Varandi *et al.* 2004; Abbasipour *et al.* 2006), Guilan (Khalil-Manesh 1969; Sepasgozarian 1971b, 1976, 1977; Khalil-Manesh 1972; Behdad 1988; Habibian 1989; Khosrowshahi & Arbabi 1997; Ramroodi *et al.* 2006; Nejadqanbar *et al.* 2010), Tehran (Sepasgozarian 1977; Behdad 1988), Isfahan (Khalil-Manesh 1969; Baradaran *et al.* 2008b), Markazi (Baradaran *et al.* 2008b), Razavi Khorasan (Khoshnevis *et al.* 2011), Golestan (Khalil-Manesh 1969, 1972; Sepasgozarian 1971b, 1972, 1977; Behdad 1988; Habibian 1989; Khosrowshahi & Arbabi 1997), Hamedan (Khanjani Ma. *et al.* 2012a), Khuzestan (Khalil-Manesh 1969), Bushehr (Khalil-Manesh 1969), Fars (Khalil-Manesh 1969), Alborz (Khalil-Manesh 1969).

Habitat in Iran: Tea plant, paper flower, winter creeper, aluminium plant, persian ironwood trees, bellbind, sorrel plant, ivy plant, conifer trees, broad leaf trees, mulberry, soil samples, privet plant, orchards, scented geraniums, wild privet, strawberry, privet, geranium, raspberry, citrus, leaves of grape, pomegranate, apple, cherry, weeds; burdock.

4. *Brevipalpus oleae* Baker, 1949

Hystripalpus oleae.– Castagnoli & Pegazzano, 1979; *Brevipalpus (H.) oleae*.– Hatzinikolis, 1986.

Distribution in Iran: Razavi Khorasan (Khoshnevis *et al.* 2011).

Habitat in Iran: Fruit orchards.

5. *Brevipalpus olearius* Sayed, 1950

Hystripalpus olearius.– Castagnoli & Pegazzano, 1979; *Brevipalpus (H.) olearius*.– Hatzinikolis, 1986.

Distribution in Iran: Guilan (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1988; Khosrowshahi & Arbabi 1997).

Habitat in Iran: Olive trees.

6. *Brevipalpus oncidii* Baker, 1949

Hystripalpus oncidii.– Mitrofanov & Strunkova, 1979.

Distribution in Iran: Razavi Khorasan (Khoshnevis *et al.* 2011).

Habitat in Iran: Orchards.

7. *Brevipalpus phoenicis* (Geijskes, 1939)

Tenuipalpus phoenicis Geijskes, 1939 (Original designation); *Brevipalpus phoenicis*.– Sayed, 1946; *Brevipalpus phoenisis* [sic].– Düzgünes, 1965.

Brevipalpus mcbridei Baker, 1949 (Synonymized by Pritchard & Baker, 1952).

Brevipalpus papayensis Baker, 1949 (Synonymized by Pritchard & Baker, 1952).

Brevipalpus yothersi Baker, 1949 (Synonymized by Pritchard & Baker, 1952).

Brevipalpus deleoni Pritchard & Baker, 1958; *Brevipalpus delconi* [sic].– Gupta, 1992 (Synonymized by De-Leon, 1961).

Brevipalpus phoenicoides Gonzalez, 1975 (Synonymized by Evanse, Cromroy & Ochoa 1993).

Distribution in Iran: Golestan (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1988; Khosrowshahi & Arbabi 1997), Tehran (Baradaran *et al.* 2008b); Sistan and Baluchestan (Arbabi *et al.* 2002).

Habitat in Iran: Cyclamen; Mint; Citrus; Oleander; Banana; Eggplant.

Genus *Cenopalpus* Pritchard & Baker, 1958

1. *Cenopalpus abaii* Khosrowshahi & Arbabi, 1997

Distribution in Iran: Fars (Khosrowshahi & Arbabi 1997; Abaii 2000; Khanjani Ma. *et al.* 2012d).

Habitat in Iran: Leaves of oak trees.

2. *Cenopalpus bakeri* Düzgünes, 1966

Brevipalpus bakeri.– Smith-Meyer, 1979.

Brevipalpus bakeriana Ghai & Shenhmar, 1984 (Suggested name for *C. bakeri* by Ghai & Shenhmar, 1984).

Distribution in Iran: Tehran (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984; Nowzari & Kamali 1995), Hamedan (Rostami *et al.* 2010e; Khanjani Ma. *et al.* 2012a, d), Mazandaran (Sepasgozarian 1977; Khosrowshahi & Arbabi 1997), Razavi Khorasan (Sadeghi 1995), Ardabil (Khanjani Ma. *et al.* 2012d).

Habitat in Iran: Fields, soil, weeds, fruit orchards, plum leaf, walnut tree, prune tree, mirabelle plum, quince tree, pear tree, plane tree, apple trees, grape leaves, hawthorn leaves.

3. *Cenopalpus crataegi* Dosse, 1971

Brevipalpus crataegi.– Smith-Meyer, 1979.

Distribution in Iran: Tehran (Abaii 2000), Alborz (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984, 1988; Khosrowshahi & Arbabi 1997), Hamedan (Khanjani Ma. *et al.* 2012a, d).

Habitat in Iran: Hawthorn leaf, quince leaf.

4. *Cenopalpus evini* Khosrowshahi, 1991

Distribution in Iran: Markazi (Khosrowshahi 1991; Khosrowshahi & Arbabi 1997), Tehran (Abaii 2000).

Habitat in Iran: Poplar trees.

5. *Cenopalpus irani* Dosse, 1971

Brevipalpus irani.– Smith-Meyer, 1979.

Distribution in Iran: Alborz (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984, 1988; Khosrowshahi & Arbabi 1997; Arbabi & Baradaran 2000; Rashki *et al.* 2004c, d; Rashki & Saboori 2004a), Hamedan (Khanjani & Kamali 1998; Rostami *et al.* 2010e; Khanjani Ma. *et al.* 2012a, d), Kermanshah (Darb-Emamieh *et al.* 2009,

2011b; Khanjani Ma. *et al.* 2012d), Razavi Khorasan (Shakhsi-Zare *et al.* 2008a), Tehran (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977; Nowzari & Kamali 1995; Arbabi & Baradaran 2000), Khuzestan (Kamali 1989), Fars (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977), Zanzan (Rahmani *et al.* 2011), Kerman (Mehrnejad & Ueckermann 2001; Farzan & Asadi 2012); Kurdistan (Khanjani Ma. *et al.* 2012d). Habitat in Iran: Fruit tree, crops, soil, weeds, olive, ornamental plants, pear tree, flowering quince, soil samples, walnut tree, prune tree, mirabelle plum, quince tree, plane tree, apple trees, crop fields, range plants, european black pine trees, pistachio trees, grapevine, sour cherry tree, plum tree, poplar tree, peach tree, fig tree.

6. *Cenopalpus khosrowshahi* Khanjani, Khanjani, Saboori & Seeman, 2012

Distribution in Iran: Hamedan (Khanjani Ma. *et al.* 2012a, d).

Habitat in Iran: Pagoda tree.

7. *Cenopalpus lanceolatiseta* (Attiah, 1956)

Brevipalpus lanceolatiseta Attiah, 1956 (Original designation); *Cenopalpus* (*Cenopalpus*) *lanceolatiseta*.– Mitrofanov & Strunkova, 1979.

Distribution in Iran: Tehran (Dosse 1971; Sepasgozarian 1977; Behdad 1984; Nowzari & Kamali 1995), Isfahan (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984, 1988), Fars (Dosse 1971; Khalil-Manesh 1972; Sepasgozarian 1977; Khosrowshahi & Arbabi 1997), Razavi Khorasan (Khoshnevis *et al.* 2011), Golestan (Sepasgozarian 1977), Khuzestan (Kamali 1989), Alborz (Rashki & Saboori 2004b), Zanzan (Rahmani *et al.* 2011), Kermanshah (Khanjani Ma. *et al.* 2012d), Chaharmahal and Bakhtiari (Khanjani Ma. *et al.* 2012d).

Habitat in Iran: Mistletoe, egyptian willow, walnut tree, prune tree, mirabelle plum, quince tree, pear tree, plane tree, apple trees, orchards, crop fields, weeds, pomegranate, plum leaves, japanese medlar, apricot leaves, sweet cherry leaves, almond tree.

8. *Cenopalpus lineola* (Canestrini & Fanzago, 1876)

Tetranychus lineola Canestrini & Fanzago, 1876 (Original designation); *Caligonus lineola*.– Canestrini & Fanzago, 1877; *Tenuipalpus lineola*.– Berlese, 1886; *Brevipalpus lineola*.– Livschitz & Mitrofanov, 1967; *Cenopalpus* (*Cenopalpoides*) *lineola*.– Mitrofanov, 1973.

Brevipalpus kalandadzei Reck, 1951 (Synonymized by Pritchard & Baker, 1958).

Brevipalpus asyntactus Baker & Pritchard, 1952 (Synonymized by Pritchard & Baker, 1958).

Distribution in Iran: Mazandaran (Barimani-Varandi & Kamali 1998a), Razavi Khorasan (Khoshnevis *et al.* 2011).

Habitat in Iran: Conifer trees, orchards.

9. *Cenopalpus meyeri* Khosrowshahi, 1991

Distribution in Iran: Tehran (Khosrowshahi 1991; Khosrowshahi & Arbabi 1997), Razavi Khorasan (Khosrowshahi & Arbabi 1997; Sadeghi-Namaghi 2009, 2010).

Habitat in Iran: Plane tree.

10. *Cenopalpus pennatisetis* (Wainstein, 1958)

Brevipalpus pennatisetis Wainstein, 1958 (Original designation); *Cenopalpus pennatisetis*.– Wainstein, 1960; *Cenopalpus* (*Cenopalpus*) *pennatisetis*.– Mitrofanov & Strunkova, 1979.

Distribution in Iran: Isfahan (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1988;

Khosrowshahi & Arbabi 1997).
Habitat in Iran: Egyptian willow.

11. *Cenopalpus pritchardi* Düzgünes, 1967

Brevipalpus pritchardi.– Smith-Meyer, 1979.

Distribution in Iran: Isfahan (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984, 1988; Khosrowshahi & Arbabi 1997; Abaii 2000), Tehran (Abaii 2000).

Habitat in Iran: Egyptian willow trees, deciduous trees.

12. *Cenopalpus prunusi* Khanjani, Khanjani, Saboori & Seeman, 2012

Distribution in Iran: Hamedan (Khanjani Ma. *et al.* 2012a, d).

Habitat in Iran: Plum leaf.

13. *Cenopalpus pulcher* (Canestrini & Fanzago, 1876)

Caligonus pulcher Canestrini & Fanzago, 1876 (Original designation); *Tenuipalpus pulcher*.– Berlese, 1887; *Brevipalpus pulcher*.– Baker, 1949; *Brevipalpus pulchur* [sic].– Gupta & Chatterjee, 1997; *Cenopalpus (Cenopalpus) pulcher*.– Mitrofanov & Strunkova, 1979.

Brevipalpus ciferrii Lombardini, 1951 (Synonymized by Pritchard & Baker, 1958).

Brevipalpus pyri Sayed, 1946 (Synonymized by Pritchard & Baker, 1958).

Tenuipalpus bodenheimeri Berlese, 1930 (Synonymized by Pritchard & Baker, 1958).

Tenuipalpus oudemansi Geijskes, 1939; *Brevipalpus soudemansi*.– Sayed, 1946 (Synonymized by Pritchard & Baker, 1958).

Distribution in Iran: Tehran (Farahbakhsh 1961; Nowzari & Kamali 1995), Mazandaran (Barimani-Varandi *et al.* 2004), Razavi Khorasan (Shahrokhi 1988; Sadeghi 1995; Sheikholeslam-Zadeh *et al.* 2010), North Khorasan (Shahrokhi 1988), Isfahan (Dastgheib-Beheshti 1980; Jalaeian *et al.* 2004, 2005a), West Azarbaijan (Daneshvar 1979), Zanzan (Rahmani *et al.* 2008a, 2011), East Azarbaijan (Daneshvar 1978), Alborz (Sepasgozarian 1968, 1970, 1972, 1976; Esmaeili & Oloumi-Sadeghi 1980; Behdad 1984; Zomorodi 1991; Mehran 1998; Jamali *et al.* 2001; Rashki & Saboori 2004b), Lorestan (Khosrowshahi & Arbabi 1997), Qom (Sepasgozarian 1977), Golestan (Dosse 1971; Sepasgozarian 1977), Kerman (Sepasgozarian 1977).

Habitat in Iran: Apple trees, broad leaf trees, horn beam trees, pear tree, quince tree, mirabelle plum, prune tree, walnut tree, peach, plane tree, common fig, foliage, weeds, soil sample, cherry, pomegranat, orchards, crop fields, nectarine tree.

14. *Cenopalpus quercusi* Khanjani, Khanjani, Saboori & Seeman, 2012

Distribution in Iran: Lorestan (Khanjani Ma. *et al.* 2012d).

Habitat in Iran: Oak trees.

15. *Cenopalpus ruber* Wainstein, 1960

Brevipalpus ruber.– Livschitz & Mitrofanov, 1967; *Cenopalpus ruber*.– Hatzinikolis & Emmanouel, 1987; *Cenopalpus (Cenopalpus) ruber*.– Mitrofanov & Strunkova, 1979.

Distribution in Iran: Zanzan (Rahmani *et al.* 2008a, 2011).

Habitat in Iran: Apple trees, orchards, crop fields, weeds.

16. *Cenopalpus rubusi* Khanjani, Khanjani, Saboori & Seeman, 2012

Distribution in Iran: Kurdistan (Khanjani Ma. *et al.* 2012d).

Habitat in Iran: Dewberry.

17. *Cenopalpus saryabiensis* Akbar & Chaudhri, 1985

Distribution in Iran: Razavi Khorasan (Sadeghi-Namaghi 2009, 2010), Alborz

(Khosrowshahi & Arbabi 1997; Abaii 2000; Rashki & Saboori 2004b; Khanjani Ma. *et al.* 2012d), Tehran (Kamali *et al.* 2006).

Habitat in Iran: Soil sample, leaves of conifer trees, pine tree leaves, kaki persimmon.

18. *Cenopalpus spinosus* (Donnadieu, 1875)

Tenuipalpus spinosus Donnadieu, 1875 (Original designation); *Cenopalpus spinosus*.– Pritchard & Baker, 1958; *Cenopalpus (Cenopalpus) spinosus*.– Mitrofanov & Strunkova, 1979; *Brevipalpus spinosus*.– Baker, 1949.

Trombidium glabrum Dugès, 1834; *Flexipalpus donnadieui* Oudemans, 1938; *Brevipalpus donndieui*.– Baker, 1949; *Tenuipalpus glaber* Donnadieu, 1875 (Synonymized by Pritchard & Baker, 1958).

Tenuipalpus geisenheyneri Rübsaamen, 1910; *Brevipalpus geisenheyneri* [sic].– Baker, 1949; *Tenuipalpus geisenheineri* [sic].– Wainstein, 1960 (Synonymized by Pritchard & Baker, 1958).

Distribution in Iran: Mazandaran (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1988; Khosrowshahi & Arbabi 1997), Razavi Khorasan (Khoshnevis *et al.* 2011), East Azarbaijan (Bagheri *et al.* 2007; Lotfollahi *et al.* 2010).

Habitat in Iran: Red raspberry, orchards, alfalfa fields, black berry, strawberry.

Genus *Dolichotetranychus* Sayed, 1938

1. *Dolichotetranychus australianus* (Womersley, 1943)

Trichadenus australianus Womersley, 1943 (Original designation); *Dolichotetranychus (Dolichotetranychus) australianus*.– Mitrofanov & Strunkova, 1979.

Distribution in Iran: Khuzestan (Baharloo *et al.* 2006).

Habitat in Iran: Soil samples.

2. *Dolichotetranychus cymosum* Meyer, 1979

Distribution in Iran: Khuzestan (Baharloo *et al.* 2006).

Habitat in Iran: Soil samples.

3. *Dolichotetranychus kermanicus* Khanjani, Asadababi & Izadi, 2011

Distribution in Iran: Kerman (Khanjani *et al.* 2011a).

Habitat in Iran: Soil covered by grass under orange tree.

Genus: *Obdulia* Pritchard & Baker, 1958

1. *Obdulia daadi* AlGboory, 1987

Distribution in Iran: Kerman (Farzan & Asadi 2011, 2012).

Habitat in Iran: Manna trees.

2. *Obdulia tamaricis* Pritchard & Baker, 1958.

Distribution in Iran: Tehran (Behdad 1988), Qom (Sepasgozarian 1976, 1977; Barkhordari *et al.* 1981; Khosrowshahi & Arbabi 1997; Abaii 2000).

Habitat in Iran: Tamarisk, manna tree.

Genus *Pentamerismus* McGregor, 1949

1. *Pentamerismus behshahricus* Khanjani & Gotoh, 2008

Distribution in Iran: Mazandaran (Khanjani & Gotoh 2008).

Habitat in Iran: Persian juniper.

2. *Pentamerismus canadensis* McGregor, 1949

Oligomerismus canadensis.– Mitrofanov, Bosenko & Bitchevskis, 1975.

Distribution in Iran: Tehran (Abaii 2000), Alborz (Sepasgozarian 1976, 1977; Behdad 1988; Khosrowshahi & Arbabi 1997; Khanjani & Gotoh 2008).

Habitat in Iran: Oriental arborvitae, leaves and branches of cypress trees, pacific red cedar.

3. *Pentamerismus foliisetis* Livschitz & Mitrofanov, 1967

Distribution in Iran: Mazandaran (Barimani-Varandi & Kamali 1998a; Khanjani & Gotoh 2008).

Habitat in Iran: Conifer trees, persian juniper.

4. *Pentamerismus judicarius* De-Leon, 1961

Oligomerismus judicarius.– Mitrofanov, Bosenko & Bitchevskis, 1975.

Distribution in Iran: Mazandaran (Barimani-Varandi & Kamali 1998a; Khanjani & Gotoh 2008).

Habitat in Iran: Conifer trees, persian juniper.

5. *Pentamerismus oregonensis* McGregor, 1949

Oligomerismus oregonensis.– Gutierrez, Kreiter, Bolland & Cotton, 1989.

Distribution in Iran: Mazandaran (Barimani-Varandi & Kamali 1998a; Khanjani & Gotoh 2008).

Habitat in Iran: Conifer trees, persian juniper.

6. *Pentamerismus ueckermanni* Khanjani & Gotoh, 2008

Distribution in Iran: Mazandaran (Khanjani & Gotoh 2008).

Habitat in Iran: Common juniper.

Remarks: Barimani-Varandi et Kamali (1998) mentioned to a new species name *Pentamerismus kamali* collected from conifer trees. Since no description provided, we consider it as nomen nudum.

Genus *Phyllotetranychus* Sayed, 1938

1. *Phyllotetranychus aegyptium* Sayed, 1938

Phyllotetranychus aegyptiacus [sic].– Sayed, 1940.

Distribution in Iran: Bushehr (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984; Khosrowshahi & Arbabi 1997), Kerman (Farzan & Asadi 2011, 2012).

Habitat in Iran: Date palm.

Remarks: Kamali *et al.* (2001) placed this species in the family Tetranychidae while should be considered as a tenuipalpid mite.

Genus *Phytoptipalpus* Trägårdh, 1904

1. *Phytoptipalpus kurdistaniensis* Khanjani, Khanjani & Seeman, 2012.

Distribution in Iran: Kurdistan (Khanjani Ma. *et al.* 2012b).

Habitat in Iran: Woods' rose.

2. *Phytoptipalpus rosae* (Mitrofanov & Strunkova, 1978)

Zaheria rosae Mitrofanov & Strunkova, 1978 (Original designation); *Phytoptipalpus rosae*.– Smith-Meyer, 1979.

Distribution in Iran: Kerman (Farzan & Asadi 2011, 2012).

Habitat in Iran: Woods' rose.

3. *Phytoptipalpus salicicola* (Al Gboory, 1987)

Aegyptobia salicicola Al-Gboory, 1987 (Original designation).

Aegyptobia daneshvari Parsi & Khosrowshahi, 1990 (Synonymized by Khanjani Ma. *et al.* 2012b).

Distribution in Iran: Tehran (Parsi & Khosrowshahi 1990; Khosrowshahi & Arbabi 1997), Hamedan (Khanjani *et al.* 2012; Khanjani Ma. *et al.*, 2012a; Masoudian *et al.*, 2012).

Habitat in Iran: Poplar tree, upper soil surface under pussy willow tree.

Genus *Pseudoleptus* Bruyant, 1911

1. *Pseudoleptus hamedaniensis* Khanjani, Khanjani, Saboori & Seeman, 2012

Distribution in Iran: Hamedan (Khanjani Ma. *et al.* 2012a, c).

Habitat in Iran: On the leaves of drooping brome beneath gum bushes.

2. *Pseudoleptus iraniensis* Khanjani, Khanjani, Saboori & Seeman, 2012

Distribution in Iran: Hamedan (Khanjani Ma. *et al.* 2012a, c).

Habitat in Iran: On the leaves of brome chess under spiny hawthorn trees.

3. *Pseudoleptus kermanshahiensis* Khanjani, Khanjani, Saboori & Seeman, 2012

Distribution in Iran: Hamedan (Khanjani Ma. *et al.* 2012c).

Habitat in Iran: On the leaves of slender meadow foxtail under apple trees.

Remarks: Baharloo *et al.* (2006) reported an unidentified species of this genus for the first time from Iran.

Genus *Raoiella* Hirst, 1924

1. *Raoiella indica* Hirst, 1924

Rarosiella cocosae Rimando, 1996 (Synonymized by Mesa *et al.* 2009).

Distribution in Iran: Fars (Sahraeian *et al.* 2006; Khademi *et al.* 2006; Majidi & Akrami 2011), Bushehr (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984, 1988; Kamali 1986; Khosrowshahi & Arbabi 1997; Abaie 2000), Khuzestan (Kamali 1989), Hormozgan (Arbabi *et al.* 2002; Farzan & Asadi 2011, 2012), Sistan and Baluchestan (Arbabi *et al.* 2002).

Habitat in Iran: Date palm, grapevine, citrus orchards, leaves, fruits and trunk fiber of date palms.

Genus *Tenuipalpus* Donnadieu 1875

1. *Tenuipalpus daneshvari* Khosrowshahi & Arbabi, 1997

Distribution in Iran: Sistan and Baluchestan (Khosrowshahi & Arbabi 1997; Arbabi *et al.* 2002), Zanzan (Rahmani *et al.* 2011), Hormozgan (Arbabi *et al.* 2002).

Habitat in Iran: Eggplant, orchards, crop fields, weeds.

2. *Tenuipalpus eriophyoides* Baker, 1948

Colopalpus eriophyoides.– Baker & Tuttle, 1972.

Tenuipalpus lapidosus Siddiqui & Chaudhri, 1972 (Synonymized by Chaudhri *et al.*, 1974).

Distribution in Iran: Fars (Sepasgozarian 1971b, 1972; Behdad 1984, 1988; Khosrowshahi & Arbabi 1997; Sahraeian *et al.* 2006; Khademi *et al.* 2006), Khuzestan (Dosse 1971; Sepasgozarian 1971b, 1972; Khalil-Manesh 1972; Behdad 1984, 1988; Kamali 1989; Khosrowshahi & Arbabi 1997), Kerman (Farzan & Asadi 2011, 2012), Hormozgan (Farzan & Asadi 2011, 2012).

Habitat in Iran: Date palm, goosefoots.

3. *Tenuipalpus euonymi* Khosrowshahi, 1991

Distribution in Iran: Tehran (Khosrowshahi 1991; Khosrowshahi & Arbabi 1997), Hamedan (Khanjani Ma. *et al.* 2012a).

Habitat in Iran: Spindle, leaves of plants.

4. *Tenuipalpus granati* Sayed, 1946

Aegytopalpus granati.– Mitrofanov, 1973.

Brevipalpus orchidarum Parfitt, 1859; *Tenuipalpus orchidarum*.– Sayed, 1942 (Synonymized by Wainstein, 1960).

Distribution in Iran: Hamedan (Khanjani & Kamali 1998, 2000b; Khanjani Ma. *et al.* 2012a), South Khorasan (Moodi 2002; Darmiani *et al.* 2011), Kermanshah (Babakfard *et al.* 2008), Khuzestan (Farahbakhsh 1961; Sepasgozarian 1972; Behdad 1984; Kamali 1989; Kamali & Shishehbor 1989; Mirkarimi 1999; Darvish-Zadeh & Kamali 2009), Tehran (Sepasgozarian 1971; Khalil-Manesh 1972; Zahedi 1992), Razavi Khorasan (Sadeghi-Namaghi & Zare 2006; Shakhshi-Zare *et al.* 2008a; Boutimar & Sadeghi-Namaghi 2010; Bagheri, Mohs. *et al.* 2011; Salarzahi *et al.* 2012), Fars (Kamali & Shishehbor 1989; Abaii 2000), Kerman (Khalil-Manesh 1972; Sepasgozarian 1972, 1976; Abaii 2000; Mehrnejad & Ueckermann 2001; Mehrnejad 2001; Mohammdai *et al.* 2012), Alborz (Dosse 1971; Sepasgozarian 1977; Behdad 1988; Rashki & Saboori 2004b), Zanzan (Rahmani *et al.* 2011), Bushehr (Kamali & Shishehbor 1989).

Habitat in Iran: Bean plant, chinese date, pistachio orchards, fruit trees, grapevines, pomegranate, fig, european barberry, crop fields, fruit plants, range plants, crop fields, weeds, wild pistachio tree, cyclamen, soil of vineyards.

5. *Tenuipalpus kamalii* Khosrowshahi & Arbabi, 1997

Distribution in Iran: Tehran (Khosrowshahi & Arbabi 1997; Abaii 2000), Hamedan (Khanjani Ma. *et al.* 2012a).

Habitat in Iran: European ash, leaves of plants.

6. *Tenuipalpus parsii* Khosrowshahi & Arbabi, 1997

Distribution in Iran: Kurdistan (Mansour-Ghazi *et al.* 2006), Tehran (Khosrowshahi & Arbabi, 1997).

Habitat in Iran: Strawberry fields, ribwort plantain.

7. *Tenuipalpus portulacae* Parsi, Khosrowshahi & Farid, 1990

Distribution in Iran: Kerman (Parsi *et al.* 1990; Khosrowshahi & Arbabi 1997).

Habitat in Iran: Common purslane.

8. *Tenuipalpus punicae* Pritchard & Baker, 1958

Tenuipalpus punicae [sic].– Sadana & Chhabra, 1980.

Distribution in Iran: Qum (Khosrowshahi 1984), Fars (Khosrowshahi 1984; Khosrowshahi & Arbabi 1997; Behdad 2002), Markazi (Khalil-Manesh 1973; Sepasgozarian 1976; Behdad 1984, 1988, 2002; Zomorodi 1991; Soroosh 1995; Khosrowshahi & Arbabi 1997; Soroosh & Kamali 2002a, b; Arbabi *et al.* 2006a, b), Kermanshah (Babakfard *et al.* 2008), Khuzestan (Sepasgozarian 1977; Kamali 1989; Mirkarimi 1999), Alborz (Rashki & Saboori 2004b), South Khorasan (Darmiani *et al.* 2011), Kerman (Izadi *et al.* 2010a; Farzan & Asadi 2011, 2012; Mohammdai *et al.* 2012), Bushehr (Kamali 1989), Tehran (Sepasgozarian 1977), Hamedan (Khanjani Ma. *et al.* 2012a), Razavi Khorasan (Salarzahi *et al.* 2012).

Habitat in Iran: Pomegranate trees, fruit trees, common fig tree, citrus, palm, grapevine,

soil of vineyards.

Remarks 1: *Tenuipalpus pistaciae* and *Tenuipalpus jahromensis* were mentioned by Sepasgozarian (1972) and Khademi *et al.* (2006) respectively from Iran. These names are considered here as nomen nudum since no descriptions are published.

Remarks 2: Unidentified species representing the genera *Afronychus* Meyer, 1979 and *Priscapalpus* De-Leon, 1961 by Farzan & Asadi (2011) were also collected from Iran.

Family Tetranychidae Donnadieu, 1875

Genus *Amphitetranychus* Oudemans, 1931

1. *Amphitetranychus viennensis* (Zacher, 1920)

Tetranychus (*Epitetranychus*) *viennensis* Zacher, 1920 (Original designation); *Amphitetranychus viennensis*.–Oudemans, 1931; *Tetranychus viennensis*.– Reck, 1950; *Amphitetranychus viennensis*.– Navajas, Gutierrez & Gotoh, 1997; *Amphitetranychus viennensis*.– Ehara, 1956; *Tetranychus* (*Amphitetranychus*) *viennensis*.– Wainstein, 1960; *Tetranychus* (*Armenychus*) *viennensis*.– Tseng, 1990.

Tetranychus crataegi Hirst, 1920 (Synonymized by Zacher, 1921).

Apotetranychus longipenis Ugarov & Nikolskii, 1937 (Synonymized by Ugarov & Nikolskii, 1937).

Apotetranychus virginis Ugarov, 1937 (Synonymized by Wainstein, 1960).

Distribution in Iran: Isfahan (Khalil-Manesh 1972; Sepasgozarian & Schruft 1975; Sepasgozarian 1977; Behdad 1984; Zomorodi 1991), Alborz (Khalil-Manesh 1972; Sepasgozarian & Schruft 1975; Sepasgozarian 1976, 1977; Behdad 1984; Zomorodi 1991; Jamali *et al.* 2001; Zahedi-Golpayegani *et al.* 2004, 2007, 2010; Kafil *et al.* 2007), West Azarbaijan (Sepasgozarian & Schruft 1975; Sepasgozarian 1977; Behdad 1984), East Azarbaijan (Khodayari *et al.* 2008b, 2011), Mazandaran (Faraji 1993), Golestan (Sepasgozarian & Schruft 1975; Sepasgozarian 1976; Behdad 1984).

Habitat in Iran: Apple trees, pear, quince, apricot, cherry, sour cherry, black cherry trees, peach trees, plum.

Genus *Aplonobia* Womersley, 1940

1. *Aplonobia karadagi* (Mitrofanov, 1975)

Georgiobia karadagi Mitrofanov, 1975 (Original designation).

Sistribution in Iran: Mazandaran (Khanjani & Ueckermann 2005).

Habitat in Iran: Oriental beech, pine tree.

Genus *Bryobia* Koch, 1835

1. *Bryobia karoensis* Meyer, 1974.

Distribution in Iran: Hamedan (Khanjani & Kamali 1993).

Habitat in Iran: Camelthorn.

2. *Bryobia mirmoayedii* Khanjani, Gotoh & Kitashima, 2008

Distribution in Iran: Kermanshah (Khanjani *et al.* 2008a), Hamedan (Masoudian *et al.* 2012).

Habitat in Iran: Bulbous bluegrass, medicinal plants.

3. *Bryobia neopraetiosa* Meyer, 1974

Distribution in Iran: Zanjan (Rahmani *et al.* 2011).

Habitat in Iran: Orchards, crop fields, weeds in apple orchards.

4. *Bryobia praetiosa* Koch, 1836

Bryobia praetiosa.– Mathys, 1956; *Bryobia (Bryobia) praetiosa*.– Livshits & Mitrifanov, 1971.

Bryobia humeralis Halbert, 1923 (Synonymized by Pritchard & Baker, 1955).

Bryobia latitans Livshits & Mitrifanov, 1966 (Synonymized by Livshitz & Mitrofanov, 1971).

Bryobia pseudopraetiosa Wainstein, 1956 (Synonymized by Wainstein, 1960).

Distribution in Iran: Hamedan (Khanjani & Kamali 1993, 1998, 2000; Masoudian *et al.* 2012), Chahar Mahal and Bakhtiari (Noorbakhsh & Kamali 1995), Kerman (Jaliani & Arbabi 2000a; Mehrnejad & Ueckermann 2001; Izadi *et al.* 2010a), South Khorasan (Rahimi *et al.* 2004), Kermanshah (Babakfard *et al.* 2008), Tehran (Farahbakhsh 1961; Khalil-Manesh 1972; Sepasgozarian 1977; Mehran 1998; Kamali *et al.* 2006; Ahadiyat *et al.* 2004), Alborz (Ahadiyat *et al.* 2004), Khuzestan (Kamali 1989; Sadeghi-Namaghi & Kamali 1991, 1993a), Guilan (Khalil-Manesh 1972), Golestan (Khalil-Manesh 1972), Mazandaran (Gardenhire 1959; Khalil-Manesh 1972), Zanzan (Rahmani *et al.* 2011), Kerman (Mahdavi & Asadi 2011).

Habitat in Iran: Russian knapweed, gramineous plant, clover fields, saffron fields, fruit trees, soil samples, crop fields, range plant, walnut trees, in the galleries of bark beetles (*Scolytus amygdali*), wild cherry trees, barley fields, wild rye, weeds, orchards, citrus, pomegranate, plums, wheat, pistachio trees, apple, pear, cherry, some medicinal plants, prune trees.

5. *Bryobia rubrioculus* (Scheuten, 1857)

Sannio rubrioculus Scheuten, 1857 (Original designation); *Bryobia rubrioculus*.–Van Eyndhoven, 1956.

Bryobia bioculus Amerlind, 1862 (Synonymized by Livshitz & Mitrofanov, 1971).

Acarus pyri Boisduval, 1867; *Bryobia pyri* (Boisduval, 1867) (Synonymized by Livshits & Mitrofanov, 1971).

Bryobia goriensis Reck, 1947 (Synonymized by Wainstein, 1960).

Bryobia redikorzevi Reck, 1947 (Synonymized by Frommer & Jorgensen, 1972).

Bryobia arborea Morgan & Anderson, 1957 (Synonymized by Baker & Pritchard, 1960).

Distribution in Iran: Hamedan (Khanjani & Kamali 1998, 2000a; Eghbalian *et al.* 2007a, b, 2008; Khanjani & Eghbalian 2008a, b; Rostami *et al.* 2010a, c, e, 2011; Honarparvar *et al.* 2011), Mazandaran (Barimani-Varandi *et al.* 2004), Tehran (Khalil-Manesh 1972; Sepasgozarian 1972, 1976, 1977; Behdad 1984; Zomorodi 1991; Baradaran *et al.* 2006), West Azarbaijan (Baradaran *et al.* 2006; Atamehr *et al.* 2007), East Azarbaijan (Sepasgozarian 1977; Daneshvar 1978; Esmaeili & Oloumi-Sadeghi 1980; Behdad 1984; Baradaran *et al.* 2006, 2008b), Kermanshah (Darb-Emamieh *et al.* 2009, 2011b; Babakfard *et al.* 2008; Honarparvar *et al.* 2011), Razavi Khorasan (Shakhsi-Zare *et al.* 2008a), Alborz (Khalil-Manesh 1972; Sepasgozarian 1977; Keshavarz-Jamshidian *et al.* 2004; Arbabi *et al.* 2006c), Isfahan (Jalaeian *et al.* 2005a), Fars (Majidi & Akrami 2011), South Khorasan (Darmiani *et al.* 2011), Zanzan (Rahmani *et al.* 2011).

Habitat in Iran: Broad leaf trees, weeds, apple trees, plum trees, cherry trees, fruit trees, soil, sweet cherry, peach, pear, sour cherry, walnut, clover, grape, apricot, wild almond, broom grass, crop fields, foliage, range plant, almond, fruits and trunk fiber of date palms, orchards and field crops, weeds in pome fruit orchards, clover, blackthorn, quince, black cherry, bindweed.

6. *Bryobia tuttlei* Smiley & Baker, 1995

Distribution in Iran: Hamedan (Khanjani & Kamali 1998).

Habitat in Iran: Crop fields, sruit trees, range plant.

Genus *Eotetranychus* Oudemans, 1931

1. *Eotetranychus carpini* (Oudemans, 1905)

Tetranychus carpini Oudemans, 1905 (Original designation); *Eotetranychus carpini*.– Oudemans, 1931; *Schizotetranychus (Eotetranychus) carpini*.– Reck, 1948. *Tetranychus borealis* Ewing, 1913; *Eotetranychus carpini borealis*.– Pritchard & Baker, 1952 (Synonymized by Pritchard & Baker, 1955).

Tetranychus flavus Ewing, 1913 (Synonymized by Pritchard & Baker, 1952).

Tetranychus oregonensis McGregor, 1917 (Synonymized by Pritchard & Baker, 1952).

Tetranychus monticolus McGregor, 1917 (Synonymized by Pritchard & Baker, 1952).

Schizotetranychus (Eotetranychus) carpinula Reck, 1950; *Schizotetranychus carpinula*.– Bagdasarian, 1957 (Synonymized by Pritchard & Baker, 1955).

Schizotetranychus (Eotetranychus) pterocaryae Reck, 1950; *Schizotetranychus pterocaryae*.– Bagdasarian, 1957 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: East Azarbaijan (Daneshvar 1978; Khodayari *et al.* 2011), Razavi Khorasan (Khoshnevis *et al.* 2011).

Habitat in Iran: Oak, apple, pear, cherry.

2. *Eotetranychus fagi* (Zacher, 1922)

Epitetranychus fagi Zacher, 1922 (Original designation); *Schizotetranychus (Eotetranychus) fagi*.– Reck, 1948; *Schizotetranychus fagi*.– Bagdasarian, 1957; *Eotetranychus fagi*.– Pritchard & Baker, 1955; *Eotetranychus fagi*.– Bolland, Gutierrez & Flechtman, 1998.

Distribution in Iran: Khuzestan (Barimani-Varandi & Kamali 2000; Barimani-Varandi *et al.* 2004).

Habitat in Iran: Beech trees, broad leaf trees.

3. *Eotetranychus frosti* (McGregor, 1952)

Tetranychus frosti McGregor, 1952 (Original designation). *Eotetranychus frosti*.– Pritchard & Baker, 1955.

Distribution in Iran: East Azarbaijan (Khodayari *et al.* 2008b, c, 2010), Razavi Khorasan (Sadeghi 1995), South Khorasan (Darmiani *et al.* 2011), Kermanshah (Darb-Emamieh *et al.* 2011a, 2012).

Habitat in Iran: Apple trees; Fruit trees.

4. *Eotetranychus hirsti* Pritchard & Baker, 1955

Tetranychus fici Hirst, 1926.

Distribution in Iran: Fars (Kamali & Shishehbor 1989; Shishehbor & Kamali 1989a, b, 1991; Said-Pour & Daneshvar 1993, 1995; Faghieh & Mobayen 1993; Faghieh & Naem 1998; Abaii 2000; Arbabi *et al.* 2012; Daneshnia *et al.* 2012), Tehran (Daneshvar 1987; Said-Pour & Daneshvar 1993, 1995), Sistan and Baluchestan (Arbabi 1995; Arbabi *et al.* 2002), Khuzestan (Kamali & Shishehbor 1989; Shishehbor & Kamali 1989a, b, 1990a, b, 1991; Kamali 1989; Afshari *et al.* 2000b; Haghghat-Khah & Azimi 1995), Markazi (Baradaran *et al.* 2002; Baradaran & Arbabi 2006), Guilan (Hajizadeh 2006; Baradaran & Arbabi 2008), Kermanshah (Babakfard *et al.* 2008), Bushehr (Kamali & Shishehbor 1989; Shishehbor & Kamali 1989a, b), Kohgiluyeh and Boyer-Ahmad

(Shishehbor & Kamali 1989a, b, 1991), Semnan (Daneshvar 1987), Hormozgan (Arbabi *et al.* 2002).

Habitat in Iran: Fig orchards, fruit trees, citrus trees.

5. *Eotetranychus lewisi* McGregor, 1943

Tetranychus lewisi McGregor, 1943 (Original designation).

Distribution in Iran: Khuzestan (Kamali 1988).

Habitat in Iran: Common fig.

6. *Eotetranychus populi* (Koch, 1838)

Tetranychus populi Koch, 1838 (Original designation); *Schizotetranychus populi*.– Reck, 1959; *Eotetranychus populi*.– Pritchard & Baker, 1955.

Tetranychus salicicola Zacher, 1920; *Eotetranychus salicicola*.– Zacher, 1933; *Amphitetranychus salicicola*.– Geijskes, 1939; *Schizotetranychus (Eotetranychus) salicicola*.– Reck, 1948 (Synonymized by McGregor, 1950).

Distribution in Iran: East Azarbaijan (Daneshvar 1978; Abaii 2000; Khodayari *et al.* 2011), Isfahan (Khalil-Manesh 1972; Sepasgozarian 1977; Abaii 2000), West Azarbaijan (Abaii 2000; Atamehr *et al.* 2007), Zanjan (Rahmani *et al.* 2011), Alborz (Babmorad & Sadeghi 2004), Tehran (Khodayari *et al.* 2011).

Habitat in Iran: Poplar trees, crop fields, orchards and weeds, willow.

7. *Eotetranychus potentillae* Tuttle & Baker, 1964

Distribution in Iran: Mazandaran (Khodayari *et al.* 2011), Tehran (Khodayari *et al.* 2011).

Habitat in Iran: Raspberry.

8. *Eotetranychus pruni* (Oudemans, 1931)

Tetranychus pruni Oudemans, 1931 (Original designation); *Eotetranychus pruni*.– Geijskes, 1939; *Schizotetranychus (Eotetranychus) pruni*.– Reck, 1950; *Eotetranychus pruni*.– Pritchard & Baker, 1955; *Eotetranychus pruni*.– Bagdasarian, 1957; *Eotetranychus pruni*.– Bolland, Gutierrez & Flechtmann, 1998.

Schizotetranychus (Eotetranychus) viticola Reck, 1948; *Eotetranychus viticola*.– Pritchard & Baker, 1955; *Schizotetranychus viticola*.– Bagdasarian, 1957; *Eotetranychus viticola*.– Reck, 1959 (Synonymized by Reck, 1959).

Schizotetranychus (Eotetranychus) aesculi Reck, 1950; *Eotetranychus aesculi*.– Pritchard & Baker, 1955 (Synonymized by Reck, 1959).

Schizotetranychus (Eotetranychus) kargalensis Wainstein, 1956 (Synonymized by Reck, 1959).

Eotetranychus pomi Sepasgozarian, 1956 (Synonymized by Reck, 1959).

Distribution in Iran: Khuzestan (Afshari *et al.* 2000b), Razavi Khorasan (Shahrokhi *et al.* 1986; Shahrokhi 1988; Sadeghi 1995; Shakhshi-Zare *et al.* 2008a), North Khorasan (Shahrokhi *et al.* 1986; Shahrokhi 1988; Shahrokhi & Nikkhoo 1990), Tehran (Sepasgozarian 1977; Esmaeili & Oloumi-Sadeghi 1980; Esameili 1983; Behdad 1984), Isfahan (Sepasgozarian 1972, 1976, 1977; Khalil-Manesh 1973; Behdad 1984; Mehran 1998), Fars (Sepasgozarian 1977; Behdad 1984), East Azarbaijan (Daneshvar 1978).

Habitat in Iran: Apple, pear, ornamental plant.

9. *Eotetranychus uncatus* Garman, 1952

Schizotetranychus exiguous Wainstein, 1956 (Synonymized by Wainstein, 1960).

Distribution in Iran: East Azarbaijan (Khodayari *et al.* 2011).

Habitat in Iran: Plum trees.

10. *Eotetranychus weldoni* (Ewing, 1913)

Tetranychus weldoni Ewing, 1913 (Original designation); *Eotetranychus weldoni*.– Pritchard & Baker, 1955.

Tetranychus californicus McGregor, 1928 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Tehran (Sepasgozarian 1977; Behdad 1988).

Habitat in Iran: Bay Willow.

11. *Eotetranychus willamettei* (McGregor, 1917)

Tetranychus willamettei McGregor, 1917 (Original designation); *Eotetranychus willamettei*.– Pritchard & Baker, 1952.

Distribution in Iran: Razavi Khorasan (Sadeghi-Namaghi 2009, 2010; Sheikholeslam-Zadeh *et al.* 2010).

Habitat in Iran: Broad leaf tree, elm tree, plane tree, white mulberry.

Genus *Eurytetranychus* Oudemans, 1931

1. *Eurytetranychus admes* Pritchard & Baker, 1955

Distribution in Iran: Mazandaran (Barimani-Varandi & Kamali 1998a).

Habitat in Iran: Conifer trees.

2. *Eurytetranychus buxi* (Garman, 1935)

Neotetranychus buxi Garman, 1935; *Simplinychus buxi*.– McGregor, 1950; *Eurytetranychus buxi*.– Geijskes, 1939.

Tetranychus latus Canestrini & Fanzago, 1876 (Original designation); *Eurytetranychus latus*.– Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Guilan (Khalil-Manesh 1972; Sepasgozarian 1976, 1977; Behdad 1988), Mazandaran (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1988).

Habitat in Iran: Common box.

Genus *Eutetranychus* Banks, 1917

1. *Eutetranychus africanus* (Tucker, 1926)

Anychus africanus Tucker, 1926 (Original designation); *Eutetranychus africanus*.– Baker & Pritchard, 1960.

Eutetranychus sambiranensis Gutierrez & Helle, 1971 (Synonymized by Gutierrez & Etienne, 1986).

Distribution in Iran: Razavi Khorasan (Sheikholeslam-Zadeh & Sadeghi 2010a, b), Tehran (Ghasemi-Moghadam *et al.* 2012).

Habitat in Iran: Broad leaf tree, ornamental shrubs, plane tree.

2. *Eutetranychus banksi* (McGregor, 1914)

Tetranychus banksi McGregor, 1914 (Original designation); *Neotetranychus (Eutetranychus) banksi*.– Banks, 1917; *Anychus banksi*.– McGregor, 1919.

Anychus clarki McGregor, 1935; *Eutetranychus clarki*.– McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).

Eutetranychus mexicanus McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).

Tetranychus rusti McGregor, 1917; *Anychus rusti*.– McGregor, 1919; *Eutetranychus rusti*.– McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).

Anychus verganii Blanchard, 1940 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Southern part of country (Gardenhire 1959).

Habitat in Iran: Citrus trees.

3. *Eutetranychus fici* Meyer, 1987

Distribution in Iran: Fars (Kamali & Shishehbor 1989; Abaii, 2000), Khuzestan (Kamali 1989; Kamali & Shishehbor 1989; Shishehbor & Kamali, 1990a), Bushehr (Kamali & Shishehbor 1989).

Habitat in Iran: Common Fig.

4. *Eutetranychus orientalis* (Klein, 1936)

Anychus orientalis Klein, 1936 (Original designation); *Eutetranychus orientalis*.– Baker & Pritchard, 1960.

Anychus ricini Rahman & Sapra, 1940 (Synonymized by Baker & Pritchard, 1960).

Eutetranychus monodi André, 1954 (Synonymized by Baker & Pritchard, 1960).

Eutetranychus sudanicus Elbadry, 1970 (Synonymized by Meyer, 1987).

Eutetranychus anneckeii Meyer, 1974 (Synonymized by Meyer, 1987).

Distribution in Iran: Fars (Farahbakhsh 1972; Farid & Parsi 1984; Monsef 1986; Kamali & Shishehbor 1989; Khalaf 1993; Faghih & Mobayen 1995; Abaii 2000; Sahraeian *et al.* 2006; Khademi *et al.* 2006; Arbabi *et al.* 2006d; Ebrahimi *et al.* 2010; Majidi & Akrami 2011; Arabzadeh *et al.* 2012; Foroughifard *et al.* 2012), Khuzestan (Farahbakhsh, 1961, 1972; Khalilmanesh 1972; Farid & Parsi 1984; Kamali 1989; Kamali & Shishehbor 1989; Shishehbor & Kamali 1990a; Daneshvar 1990; Haghghat-Khah & Azimi 1995; Seraj & Arbabtafti 1998; Mirkarimi 1999; Afshar *et al.* 2000a, b; Malekzadeh *et al.* 2000; Arbabi *et al.* 2002; Baharloo *et al.* 2006; Darvishzadeh & Kamali 2009; Imani & Shishehbor 2009), Sistan and Baluchestan (Farid & Parsi 1984; Arbabi 1995; Arbabi *et al.* 2002), Kerman (Farahbakhsh 1961, 1972; Khalilmanesh 1972; Sepasgozarian 1977; Farid & Parsi 1984; Assari *et al.* 2004a, b; Izadi *et al.* 2010a; Mahdavi & Asad 2011; Mohammadi *et al.* 2012), Kohgiluyeh and Boyer Ahmad (Monsef 1986; Saeedi 2006), South Khorasan (Moodi 2002), Razavi Khorasan (Sheikholeslam-Zadeh *et al.* 2010), Hormozgan (Khalil-Manesh 1972; Sepasgozarian 1976, 1977; Farid & Parsi 1984; Arbabi *et al.* 2002), Bushehr (Kamali & Shishehbor 1989), Hamedan (Khanjani & Eghbalian 2008a; Masoudian *et al.* 2012).

Habitat in Iran: Citrus trees, grape fruit, lime tree, orange tree, mandarin orange trees, sweet lemon trees, apple orchards, broad leaf tree, wheat, common fig, pomegranate, cotton, bean, nabk tree, lilac, castor bean, ornamental plants, peach trees, jujube trees, alfalfa, clover, mung, sugarcane fields, chinese date, soil samples, apricot, okra, cucumber, mulberry, pear, oleander, olive, willow, black locust, leaves, fruits and trunk fiber of date palms, almond, grapevine, plum, cherry, persian silk tree, lebbek tree, jujuba, papaya, neem trees, bark of apple trees damaged by scolytids.

5. *Eutetranychus palmatus* Attiah, 1967

Distribution in Iran: Khuzestan (Kamali 1989).

Habitat in Iran: Date palm.

Genus *Meyernychus* Mitrofanov, 1977

1. *Meyernychus emeticae* (Meyer, 1974)

Eutetranychus emeticae Meyer, 1974 (Original designation); *Meyernychus emeticae*.– Mitrofanov, 1977.

Distribution in Iran: Razavi Khorasan (Shakhsi-Zare *et al.* 2008a, b).

Habitat in Iran: White mulberry.

Genus *Oligonychus* Berlese, 1886

1. *Oligonychus afrasiaticus* (McGregor, 1939)

Paratetranychus afrasiaticus McGregor, 1939 (Original designation); *Oligonychus* (*Reckiella*) *afrasiaticus*.– Pritchard & Baker, 1968.

Oligonychus simplex Hirst, 1920 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Khuzestan (Davachi 1949; Gardenhire 1959; Farahbakhsh 1961; Gharib 1967; Sepasgozarian 1971b, 1972, 1977; Khalil-Manesh 1972; Esmaeili 1983; Behdad 1984, 1988; Kamali 1989; Kajbaf-Vala & Kamali 1991, 1993; Sadeghi-Namaghi & Kamali 1993a; Mehran 1998; Kadjbaf-Vala 2000, 2004; Afshari *et al.* 2000b; Behdad 2002; Latifian *et al.* 2007, 2008; Khajeh-Zadeh & Latifian 2010; Arbabi *et al.* 2010), Bushehr (Gharib 1967, 1973; Sepasgozarian 1971b, 1972; Esmaeili 1983; Behdad 1984, 1988; Fassihi *et al.* 2008; Arbabi *et al.* 2010), Hormozgan (Gharib 1967, 1973; Sepasgozarian 1971b; Esmaeili 1983; Behdad 1988; Arbabi *et al.* 2002, 2010; Fassihi *et al.* 2008), Sistan and Baluchestan (Farahbakhsh 1961; Gharib 1967; Sepasgozarian 1971b, 1972; Esmaeili 1983; Behdad 1988; Arbabi *et al.* 2002, 2010; Fassihi *et al.* 2008; Motamedinia 2012), Kerman (Farahbakhsh 1961; Sepasgozarian 1971b; Esmaeili 1983; Behdad 1988; Fassihi *et al.* 2008; Arbabi *et al.* 2010; Izadi *et al.* 2010a), Fars (Farahbakhsh 1961; Gharib 1967, 1973; Sepasgozarian 1971b, 1972, 1976, 1977; Khalil-Manesh 1972; Esmaeili 1983; Behdad 1988; Ebrahimi *et al.* 2010; Majidi & Akrami 2011; Majidi *et al.* 2012), Isfahan (Gharib 1967; Behdad 1988).

Habitat in Iran: Wheat, *Sorghum* sp., cereals, date palm, fan palm, alfalfa, fruits and trunk fiber of date palms, citrus, pomegranate, sugarcane, corn, bermuda grass.

Remarks: This species was reported for the first time from Iran by Abbas Davachi in 1949 (Behdad 1988; Gharib 1967).

2. *Oligonychus bicolor* (Banks, 1894)

Tetranychus bicolor Banks, 1894 (Original designation); *Paratetranychus bicolor*.– Banks, 1917; *Oligonychus bicolor*.– Pritchard & Baker, 1955; *Oligonychus* (*Oligonychus*) *bicolor*.– Tseng, 1990.

Distribution in Iran: Guilan (Behdad 1988; Hajizadeh 2006; Ramroodi *et al.* 2006), Razavi Khorasan (Shakhsi-Zare *et al.* 2008a), Tehran (Khalil-Manesh 1972; Sepasgozarian 1972, 1976, 1977; Behdad 1984; Baradaran *et al.* 2008b), Alborz (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1984).

Habitat in Iran: Cherry, sour cherry, quince, white mulberry, black mulberry, oak trees, plane tree, rubber fig, norway Spruce, strawberry.

3. *Oligonychus coffeae* (Nietner, 1861)

Acarus coffeae Nietner, 1861 (Original designation); *Oligonychus* (*Oligonychus*) *coffeae*.– Tseng, 1990.

Tetranychus bioculatus Wood Mason, 1884; *Paratetranychus bioculatus*.– Baker & Pritchard, 1953 (Synonymized by Wainstein, 1956).

Oligonychus merwei Tucker, 1926 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Mazandaran (Barimani-Varandi *et al.* 2004), Razavi Khorasan (Sadeghi 1995; Sadeghi-Namaghi 2009, 2010).

Habitat in Iran: Broad leaf trees, apple, quince, oak tree.

4. *Oligonychus coniferarum* (McGregor, 1950)

Paratetranychus caniferarum McGregor, 1950 (Original designation); *Oligonychus* (*Oligonychus*) *coniferarum*.– Tuttle & Baker, 1968.

Distribution in Iran: Khuzestan (Barimani-Varandi & Kamali 2000; Abaii 2000), Zanjan

(Rahmani *et al.* 2011).

Habitat in Iran: Leaves and branches of cypress trees, orchards, crop fields, weeds.

5. *Oligonychus gutierrezii* Parsi, 1979

Distribution in Iran: Isfahan (Parsi 1979; Behdad 1988; Abaii 2000).

Habitat in Iran: Plane tree.

6. *Oligonychus ilicis* (McGregor, 1917)

Tetranychus ilicis McGregor, 1917 (Original designation); *Paratetranychus ilicis*.– McGregor, 1919; *Oligonychus ilicis*.– Pritchard & Baker, 1955.

Distribution in Iran: Razavi Khorasan (Sadeghi-Namaghi 2009, 2010).

Habitat in Iran: Thuja tree, arizona cypress.

7. *Oligonychus judithae* Meyer, 1974

Distribution in Iran: Isfahan (Behdad 1988 Sensus Naeem 1984), Razavi Khorasan (Sadeghi-Namaghi 2009, 2010).

Habitat in Iran: Thuja tree, prostrata juniper, mediterranean cypress.

8. *Oligonychus mangiferus* (Rahman & Sapra, 1940)

Paratetranychus mangiferus Rahman & Sapra, 1940 (Original designation); *Oligonychus mangiferus*.– Pritchard & Baker, 1955.

Paratetranychus insularis McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).

Paratetranychus terminalis Sayed, 1946; *Oligonychus terminalis*.– Pritchard & Baker, 1955 (Synonymized by Zaher *et al.* 1984).

Distribution in Iran: Razavi Khorasan (Arbabi *et al.* 2002; Sheikholeslam-Zadeh & Sadeghi 2010a, b).

Habitat in Iran: Broad leaf tree, white willow, silver poplar, black locust, mango.

Remarks: Sheikholeslam-Zadeh & Sadeghi (2010) mistakenly reported this species as new for Iranian mite fauna.

9. *Oligonychus platani* (McGregor, 1950)

Paratetranychus platani McGregor, 1950 (Original designation); *Oligonychus platani*.– Pritchard & Baker, 1955; *Oligonychus (Homonychus) platani*.– Tuttle & Baker, 1968.

Distribution in Iran: Isfahan (Khalil-Manesh 1972; Parsi 1979; Abaii 2000), Hormozgan (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1988).

Habitat in Iran: Plane tree; Pine tree; Sunflower.

10. *Oligonychus sacchari* (McGregor, 1942)

Paratetranychus sacchari McGregor, 1942 (Original designation); *Oligonychus sacchari*.– Pritchard & Baker, 1955.

Distribution in Iran: Khuzestan (Khalil-Manesh 1972; Sepasgozarian 1976; Kamali 1989; Sadeghi-Namaghi & Kamali 1991, 1992, 1993a, b; Afshari *et al.* 2000a, b, 2007; Taherkhani *et al.* 2002), Khuzestan (Khanjani 2004), Isfahan (Behdad 1988 Sensus Abaii 1983).

Habitat in Iran: Sugarcane fields, cereals, plane tree.

Remarks: Instead of *Oligonychus sacchari*, Khanjani (2004) mistakenly cited *O. saccharinus* Baker & Pritchard, 1960 which is not distributed in Iran. He also mentioned *O. saccharinusi* Meyer (Year was not mentioned) as a synonym of *O. saccharinus*. Such a species does not exist.

11. *Oligonychus ununguis* (Jacobi, 1905)

Tetranychus ununguis Jacobi, 1905 (Original designation); *Paratetranychus ununguis*.– Zacher, 1913; *Oligonychus ununguis*.– Hirst, 1920; *Oligonychus (Oligonychus) ununguis*.– Tuttle & Baker, 1968; *Oligonychus (Paratetranychus) ununguis*.– Wainstein, 1960.

Tetranychus uniunguis Ewing, 1917; *Neotetranychus uniunguis*.– McGregor, 1919; *Paratetranychus uniunguis*.– McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).

Oligonychus americanus Ewing, 1921; *Paratetranychus americanus*.– McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).

Paratetranychus pini Hirst, 1924 (Synonymized by Pritchard & Baker, 1955).

Oligonychus biotae, Reck, 1953 (Synonymized by Mitrofanov, Bosenko & Bichevskis, 1975).

Paratetranychus inouei Ehara, 1954; *Oligonychus inouei*.– Pritchard & Baker, 1955 (Synonymized by Ehara, 1962).

Oligonychus rollowi Reck, 1956 (Synonymized by Mitrofanov, Bosenko & Bichevskis, 1975).

Distribution in Iran: Mazandaran (Daneshvar 1990; Barimani-Varandi & Kamali 1998a, b; Abaii 2000; Barimani-Varandi *et al.* 2005), Guilan (Daneshvar 1990; Abaii 2000), Tehran (Abaii 2000), Razavi Khorasan (Sadeghi-Nameghi 2009, 2010), Zanjan (Rahmani *et al.* 2011), Golestan (Daneshvar 1990), Kerman (Mahdavi & Asadi 2011).

Habitat in Iran: Leaves and branches of pine trees, spruce trees, norway spruce, turkish fir tree, persian juniper tree, thuja tree, crop fields, orchards, weeds, cypress tree, prostrata juniper, pine tree, arizona Cypress.

12. *Oligonychus yothersi* (McGregor, 1914)

Tetranychus yothersi McGregor, 1914 (Original designation); *Paratetranychus yothersi*.– Banks, 1915; *Oligonychus (Oligonychus) yothersi*.– Tuttle, Baker & Sales, 1977.

Oligonychus major Ewing, 1921; *Paratetranychus major*.– McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Razavi Khorasan (Sheikholeslam-Zadeh & Sadeghi 2010a, b).

Habitat in Iran: Broad leaf tree, plane tree, black mulberry, white mulberry.

13. *Oligonychus zae* (McGregor, 1955)

Paratetranychus zae McGregor, 1955 (Original designation); *Oligonychus zae*.– Baker & Pritchard, 1962; *Oligonychus (Reckiella) zae*.– Tuttle, Baker & Abbatiello, 1976.

Oligonychus mellinis Flechtmann, 1971 (Synonymized by Flechtmann & Santana, 1997).

Oligonychus (Reckiella) mellinni Flechtmann, 1971 (Synonymized by Flechtmann, 1971).

Distribution in Iran: Khuzestan (Kamali 1989)

Habitat in Iran: Corn, sugarcane.

Genus *Panonychus* Yokoyama, 1929

1. *Panonychus citri* (McGregor, 1916)

Tetranychus citri McGregor, 1916 (Original description); *Paratetranychus citri*.– McGregor, 1919; *Metatetranychus citri*.– Reck, 1941; *Panonychus citri* (McGregor) Ehara, 1956.

Tetranychus mytilaspidis Banks, 1900; *Panonychus mytilaspidis*.– Banks, 1915 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Mazandaran (Davachi & Taghizadeh 1954; Gardenhire 1959; Farahbakhsh 1961, 1972; Sepasgozarian 1971b, 1972, 1977; Khalil-Manesh 1972, 1979; Daneshvar 1979, 1990; Jafari & Parsi 1989; Faraji & Kamali 1993; Taghavi *et al.* 1998a; Jafari & Khosrowshahi 1995; Jafari *et al.* 1998; Barimani-Varandi *et al.* 2004; Hashemi & Damavandian 2006; Abbasipour *et al.* 2006), Guilan (Davachi & Taghizadeh 1953, 1954b; Farahbakhsh 1961, 1972; Sepasgozarian 1971b, 1972; Khalil-Manesh 1972, 1979; Daneshvar, 1990; Hajizadeh 2006; Ramroodi *et al.* 2006), Kerman (Izadi *et al.* 2010a), Golestan (Davachi & Taghizadeh 1953, 1954b; Farahbakhsh 1961, 1972; Sepasgozarian 1971b, 1972; Khalil-Manesh 1972, 1979; Behdad 1988; Daneshvar 1990).

Habitat in Iran: Citrus trees, alder trees, tea plant, broad leaf trees, mulberry, palm, pomegranate.

2. *Panonychus mori* Yokoyama, 1929

Oligonychus mori.– Pritchard & Baker, 1955.

Distribution in Iran: Provinces were not mentioned (Sepasgozarian 1971).

Habitat in Iran: Mulberry trees.

3. *Panonychus ulmi* (Koch, 1836)

Tetranychus ulmi Koch, 1836 (Original designation); *Oligonychus ulmi*.– Hirst, 1920; *Metatetranychus ulmi*.– Oudemans, 1931; *Paratetranychus ulmi*.– Andre, 1937; *Panonychus ulmi*.– Ehara, 1956.

Tetranychus pilosus Canestrini & Fanzago, 1876; *Paratetranychus pilosus*.– Zacher, 1913; *Metatetranychus pilosus*.– Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).

Panonychus pilosus alboguttatus Zacher, 1913 (Synonymized by Pritchard & Baker, 1955).

Tetranychus alboguttatus Zacher, 1913; *Metatetranychus alboguttatus*.– Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).

Panonychus pilosus occidentalis McGregor & Newcomer, 1928 (Synonymized by Pritchard & Baker, 1955).

Oligonychus alni Oudemans, 1929; *Metatetranychus alni*.– Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).

Oligonychus muscorum Oudemans, 1929; *Metatetranychus muscorum*.– Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).

Oligonychus potentillae Oudemans, 1929; *Metatetranychus potentillae*.– Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).

Metatetranychus mali Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).

Metatetranychus canestrinii Oudemans, 1939 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: West Azarbaijan (Bayatassadi & Parsi 1978; Mostaan 1986; Eslami-Zadeh & Pourmirza 1998; Mostaan & Shockat 1998; Akbarzadeh-Shoukat & Arbabi 2000, 2012; Behdad 2002; Hoseini-Nia *et al.* 2002; Arbabi *et al.* 2002; Baradaran *et al.* 2006; Mimoayedi 2006; Atamehr *et al.* 2007; Arbabi *et al.* 2009; Shemshadian *et al.* 2012), Semnan (Dezianian & Nadali 2000), Tehran (Farahbakhsh 1961; Sepasgozarian 1977; Esmaeili & Oloumi-Sadeghi 1980; Behdad 1984, 1988; Mehran 1998; Abaii 2000; Arbabi *et al.* 2002; Baradaran *et al.* 2006; Mirmoayedi,

2006), Razavi Khorasan (Sadeghi 1995; Arbabi *et al.* 2002, 2003, 2009; Mirmoayedi 2006; Shakhshi-Zare *et al.* 2008a; Sadeghi-Namaghi 2009, 2010; Sheikholeslam-Zadeh *et al.* 2010), Guilan (Behdad 1988; Hajizadeh 2006; Shakhshi-Zare 2008), Zanjan (Rahmani *et al.* 2008c, 2010, 2011), Kermanshah (Babakfard *et al.* 2008), Golestan (Sepasgozarian & Schruft 1975; Sepasgozarian 1977; Bayatassadi & Parsi 1978, 1980; Behdad 1988, 2002), Mazandaran (Bayatassadi & Parsi 1978; Behdad 1988, 2002), Ardabil (Arbabi *et al.* 2009; Taghi-Zadeh *et al.* 2011), Isfahan (Emami & Arbabi 2005), East Azarbaijan (Bayatassadi & Parsi 1978; Behdad 2002; Khodayari *et al.* 2008b), Kurdistan (Bayatassadi & Parsi 1978; Behdad 2002), South Khorasan (Darmiani *et al.* 2011), Alborz (Behdad 1988; Hajizadeh *et al.* 1994; Davoudi & Farzaneh 1994; Arbabi *et al.* 2006c).

Habitat in Iran: Apple trees, fruit trees, crop fields, weeds, maple tree, wild cherry trees, persian ironwood trees, blackthorn, pear trees, oak trees, false acacia tree, dog rose shrub, willow trees, lilac shrubs, linden, elm tree, peach tree, quince tree, plums tree, christ's thorn, liquorice, white mulberry, orchards, weeds in pome fruit orchards, almond, cherry, hawthorn, rose, slender amaranth, bindweed, prickly lettuce, common mallow, pagoda tree.

Genus *Petrobia* Murray, 1877

1. *Petrobia (Mesotetranychus) tunisiae* Manson, 1964

Petrobia tunisiae Manson, 1964.

Distribution in Iran: Khuzestan (Kamali 1989; Sadeghi-Namaghi & Kamali 1991, 1993a).

Habitat in Iran: Barley, wheat.

2. *Petrobia (Petrobia) brevipes* Rack & Bagdasarian, 1949

Distribution in Iran: Hamedan (Khanjani & Kamali 1998).

Habitat in Iran: Crop fields, fruit plants, range plants.

3. *Petrobia (Petrobia) latens* (Müller, 1776)

Acarus latens Müller, 1776 (Original designation); *Petrobia latens*.– Oudemans, 1915; *Petrobia (Petrobia) latens*.– Wainstein, 1960.

Acarus praegnans Schrank, 1781 (Synonymized by Pritchard & Baker, 1955).

Acarus petrarum Fourcroy, 1785 (Synonymized by Pritchard & Baker, 1955).

Trombidium lapidum Hammer, 1804; *Petrobia lapidum*.– Murray, 1877 (Synonymized by Pritchard & Baker, 1955).

Tetranychus anauniensis Canestrini, 1889 (Synonymized by Pritchard & Baker, 1955).

Tetranychopsis simplex Trägårdh, 1904 (Synonymized by Pritchard & Baker, 1955).

Tetranychopsis paupera Berlese, 1910 (Synonymized by Pritchard & Baker, 1955).

Tetranychus longipes Banks, 1912; *Tetranobia longipes*.– Banks, 1917 (Synonymized by Pritchard & Baker, 1955).

Tetranobia decepta, Banks, 1917 (Synonymized by Pritchard & Baker, 1955).

Tetranychina tritici Ewing, 1921 (Synonymized by Pritchard & Baker, 1955).

Petrobia cepae Sayed, 1946 (Synonymized by Pritchard & Baker, 1955).

Petrobia erevanica Reck & Bagdasarian, 1949 (Synonymized by Reck, 1959).

Distribution in Iran: Chahar Mahal and Bakhtiari (Noorbakhsh & Kamali 1993; Noorbakhsh & Kamali 1995a, b), Hamedan (Khanjani & Kamali 1993, 1998; Babolhavaeji 2008), South Khorasan (Rahimi *et al.* 2004), Isfahan (Khalil-Manesh 1972; Sepasgozarian 1977), West Azarbaijan (Atamehr *et al.* 2007), Alborz (Khalil-

Manesh 1972; Sepasgozarian 1977), Khuzestan (Sadeghi-Namaghi & Kamali 1991, 1993a), Razavi Khorasan (Khanjani 2004 sensu Rahimi), Hamedan (Babolhavaeji *et al.* 2004), Kermanshah (Babolhavaeji *et al.* 2004), Sistan and Baluchestan (Arbabi *et al.* 2002), Kerman (Mahdavi & Asadi 2011), Fars (Yazdanpanah *et al.* 2012b). Habitat in Iran: Barley, alfalfa, corn, some pasture plants, pepper weed, morning glories, fumitory, centaury, mulberry shoots, saffron fields, wheat fields, camelthorn, russian knapweed, crop fields, fruit plants, range plants, common knotgrass, field bind weed, hoary cress, yarrow, sugar cane, weeds, soil under oak trees.

4. *Petrobia (Tetranychina) harti* (Ewing, 1909)

Neophyllobius harti Ewing, 1909 (Original designation); *Tetranychina harti*.– Banks, 1917; *Petrobia harti*.– Pritchard & Baker, 1955; *Petrobia (Tetranychina) harti*.– Wainstein, 1960.

Tetranychina macdonoughi McGregor, 1917 (Synonymized by Pritchard & Baker, 1955).

Tetranychina tuberculata Kishida, 1921 (Synonymized by Pritchard & Baker, 1955).

Tenuicrus errabundus Womersley, 1940 (Synonymized by Pritchard & Baker, 1955).

Neobryobia spectabilis Reck, 1941; *Tetranychina spectabilis*.– Reck, 1950 (Synonymized by Pritchard & Baker, 1955).

Tetranychina agerati Sayed, 1946 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Mazandaran (Faraji 1995; Taghavi *et al.* 1998a; Barimani & Akbarzadeh 2002; Khanjani 2004; Abbasipour *et al.* 2006), Tehran (Kamali *et al.* 2006).

Habitat in Iran: Tea plant, soil sample, baby's-breath, rice field.

Genus *Schizotetranychus* Trägårdh, 1915

1. *Schizotetranychus garmani* Pritchard & Baker, 1955.

Distribution in Iran: Fars (Khalil-Manesh 1972; Sepasgozarian 1977), Zanjan (Rahmani *et al.* 2011).

Habitat in Iran: Willow, orchards, crop fields, weeds, poplar tree.

2. *Schizotetranychus hindustanicus* (Hirst, 1924)

Tetranychus (Schizotetranychus) hindustanicus Hirst, 1924 (Original designation).

Distribution in Iran: Razavi Khorasan (Sheikholeslam-Zadeh & Sadeghi 2010a, b).

Habitat in Iran: Broad leaf tree, white mulberry, black locust.

3. *Schizotetranychus sayedi* Attiah, 1967

Distribution in Iran: South Khorasan (Darmiani *et al.* 2011; Darmiani & Sadeghi 2012).

Habitat in Iran: Fruit trees, fig tree, almond trees, grapevine, apple and apricot trees.

4. *Schizotetranychus schizopus* (Zacher, 1913)

Tetranychus schizopus Zacher, 1913 (Original designation); *Schizotetranychus schizopus*.– Trägårdh, 1915.

Distribution in Iran: Razavi Khorasan (Khoshnevis *et al.* 2011).

Habitat in Iran: Orchards.

5. *Schizotetranychus smirnovi* Wainstein, 1954

Distribution in Iran: Chahar Mahal and Bakhtiari (Saeidi *et al.* 2010), East Azarbaijan (Khodayari *et al.* 2011).

Habitat in Iran: Almond trees.

Genus *Sonotetranychus* Tuttle, Baker & Abbatiello, 1976

1. *Sonotetranychus kermanensis* Khodayari, Kamali & Fathipour, 2008

Distribution in Iran: Kerman (Khodayari *et al.* 2008a).

Habitat in Iran: Common fig tree.

Genus *Stigmaeopsis* Banks, 1917

1. *Stigmaeopsis celarius* Banks 1917

Schizotetranychus celarius.– McGregor, 1950.

Schizotetranychus latitarsus Ewing, 1917 (Synonymized by McGregor, 1950).

Distribution in Iran: Tehran (Arbabi *et al.* 2008b).

Habitat in Iran: Ribbon dracaena, chinese willow.

Remarks: Host plant of this species need a reidentification because this species is specified to Poaceae.

Genus *Tetranychus* Dufour, 1832

1. *Tetranychus cinnabarinus* (Boisdoval, 1867)

Acarus cinnabarinus Boisdoval, 1867 (Original designation).

Distribution in Iran: Tehran (Khalil-Manesh 1972; Sepasgozarian 1972; Baradaran *et al.* 2000, 2007, 2008b; Arbabi *et al.* 2006d), Sistan and Baluchestan (Sarani & Arbabi 2004; Arbabi *et al.* 2012), Kurdistan (Mansour-Ghazi *et al.* 2008), Markazi (Hosseini-Nia & Arbabi 2008; Baradaran *et al.* 2008b), Golestan (Davachi & Taghi-Zadeh 1953, 1954b; Bayat-Asadi & Abaii 1970; Sepasgozarian 1971a, 1972, 1976, 1977; Khalil-Manesh 1972), Mazandran (Bayat-Asadi & Abaii 1970; Khalil-Manesh 1972; Sepasgozarian 1977), Guilan (Bayat-Asadi & Abaii 1970; Khalil-Manesh 1972; Sepasgozarian 1977), Alborz (Baradaran *et al.* 2008b), Isfahan (Baradaran *et al.* 2008b), Razavi Khorasan (Sadeghi 1995).

Habitat in Iran: Rose plant, common sowthistle plant, rough cocklebur, ornamental plants, watermelon plant, strawberry; weeds, fruit trees, hibiscus, rhododendron, marshmallow, mexican orange, bishops children, clove pink, teasel, rubber fig, barberton daisy, canarian ivy, garden balsam, morning glories, common evening primrose, petunias, firethorn, mexican marigold, common verbena, cramp bark, pear, cotton, eggplant, apple, citrus, lady's finger, greengram, pumpkin, cucumber, Sunflower.

2. *Tetranychus frater* Wainstein, 1960

Distribution in Iran: Kurdistan (Mansour-Ghazi *et al.* 2006, 2008).

Habitat in Iran: Strawberry fields.

3. *Tetranychus kanzawai* Kishida, 1927

Tetranychus (Tetranychus) kanzawai.– Tseng, 1990.

Tetranychus hydrangeae Pritchard & Baker, 1955: *Tetranychus (Tetranychus) hydrangeae*.– Tuttle, Baker & Abbatiello, 1974 (Synonymized by Navajas, Gutierrez & Williams, 2001).

Tetranychus japonicus Hotta, 1928 (Synonymized by Wainstein, 1960).

Distribution in Iran: Mazandaran (Faraji 1993), West Azarbaijan (Atamehr *et al.* 2007), Razavi Khorasan (Khoshnevis *et al.* 2011).

Habitat in Iran: Bean plant, *Crosophora* sp., mexican marigold, ornamental plants, apple, prune, marigolds, orchards.

4. *Tetranychus lambi* Pritchard & Baker, 1955

Tetranychus (Tetranychus) lambi.– Tseng, 1990.

Tetranychus cordylinicolus Lo, 1969 (Synonymized by Tseng, 1990).

Distribution in Iran: Mazandaran (Khalil-Manesh 1972; Sepasgozarian 1977), Guilan (Khalil-Manesh 1972), Tehran (Khalil-Manesh 1972).

Habitat in Iran: Peach, clover.

5. *Tetranychus ludeni* Zacher, 1913

Tetranychus (Epitetanychus) ludeni.– Zacher, 1921; *Tetranychus ludeni*.– Pritchard & Baker, 1955; *Tetranychus (Tetranychus) ludeni* Oudemans, 1931.

Tetranychus salviae Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).

Septanychus deviatarsus McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Razavi Khorasan (Khoshnevis *et al.* 2011), Tehran (Ghasemi-Moghadam *et al.* 2012).

Habitat in Iran: Orchards, ornamental plants in parks.

6. *Tetranychus neocaledonicus* (André, 1933)

Eotetranychus neocaledonicus André, 1933 (Original designation); *Tetranychus (Tetranychus) neocaledonicus*.– Tuttle, Baker & Sales, 1977.

Tetranychus cucurbitae Rahman & Sapra, 1940 (Synonymized by André, 1959).

Tetranychus equatorius McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).

Distribution in Iran: Guilan (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1988), Tehran (Khalil-Manesh 1972; Sepasgozarian 1977; Behdad 1988).

Habitat in Iran: Rhododendron.

7. *Tetranychus schoenei* McGregor, 1941

Septanychus schoenei.– McGregor, 1950; *Tetranychus schoenei*.– Pritchard & Baker, 1955; *Tetranychus (Polynychus) schoenei*.– Flechtmann & Hunter, 1971.

Distribution in Iran: South Khorasan (Darmiani *et al.* 2011; Darmiani & Sadeghi 2012).

Habitat in Iran: Fruit trees include almond, grape, apricot, pear and apple.

8. *Tetranychus truncatus* Ehara, 1956

Distribution in Iran: Razavi Khorasan (Sadeghi-Namaghi 2009, 2010).

Habitat in Iran: Peppermint.

9. *Tetranychus tumidellus* Pritchard & Baker, 1955

Tetranychus (Tetranychus) tumidellus.– Tseng, 1990.

Distribution in Iran: Razavi Khorasan (Sadeghi-Namaghi 2010).

Habitat in Iran: Coastal aster.

10. *Tetranychus turkestanii* (Ugarov & Nikolski, 1937)

Eotetranychus turkestanii Ugarov & Nikolski, 1937 (Original designation); *Tetranychus turkestanii*.– Wainstein, 1959; *Tetranychus (Tetranychus) turkestanii*.– Tuttle, Baker & Abbatiello, 1976.

Tetranychus atlanticus McGregor, 1941; *Tetranychus (Tetranychus) atlanticus*.– Tuttle & Baker, 1968 (Synonymized by Wainstein, 1961).

Distribution in Iran: Hamedan (Khanjani & Kamali 1993; Khosrowshahi & Nikkhoo 1994; Nikkhoo & Khosrowshahi 1995; Malmir 1998; Khanjani & Kamali 1998; Khanjani & Eghbalian 2008a; Rostami *et al.* 2010e; Masoudian *et al.* 2012), Mazandaran (Daneshvar 1990; Baradaran *et al.* 2008b; Khodayari *et al.* 2011), Chahar Mahal and Bakhtiari (Noorbakhsh & Kamali 1995), Khuzestan (Kamali 1989; Kamali & Shishehbor 1989; Shishehbor & Kamali 1990; Sadeghi-Namaghi & Kamali 1991,

1993a; Shishehbor 1991; Afshar *et al.* 2000; Nemati *et al.* 2008, 2010a, b; Sohrabi & Shishehbor 2008; Darvishzadeh & Kamali 2009; Karami-Jamour & Shishehbor 2012), Guilan (Daneshvar 1990; Hajizadeh 2006; Khodayari *et al.* 2011), Golestan (Daneshvar 1990, Daneshvar & Abaii 1994; Bayat-Asadi *et al.* 2006; Forghani *et al.* 2011; Khodayari *et al.* 2011), Razavi Khorasan (Sadeghi 1995; Sadeghi-Nameghi 2009, 2010; Sheikholeslam-Zadeh *et al.* 2010; Khodayari *et al.* 2011; Seeman & Beard 2011), Ardabil (Arbabi *et al.* 2006d; Khodayari *et al.* 2011), Isfahan (Dastheib-Beheshti 1980; Fatemi 1981; Jalaeian *et al.* 2004), Kerman (Farid & Daneshvar 1995), East Azarbaijan (Khodayari *et al.* 2007a, b, 2008b, 2009, 2011), West Azarbaijan (Atamehr *et al.* 2007), Tehran (Khalil-Manesh 1972; Sepasgozarian 1977; Daneshvar & Abaii 1994; Mehran 1998; Khodayari *et al.* 2011), Alborz (Kheyri 1989; Khosrowshahi & Nikkhoo 1994), South Khorasan (Darmiani *et al.* 2011), Zanjan (Rahmani *et al.* 2011), North Khorasan (Arbabi 2006b; Khodayari *et al.* 2011), Bushehr (Kamali & Shishehbor 1989), Fars (Kamali & Shishehbor 1989).

Habitat in Iran: Potato plant, cotton plant, crops, apple trees, soil, weeds, fruit orchards, broad leaf tree, bean, castor, eggplant, soybean, sugar beet, cucumber, mung, mesquite trees, manna trees, milkweed, crop fields, fruit trees, range plant, sugarcane fields, common fig, alfalfa, mulberry, tomato, corn, okra, olive, apricot, grapevine, radish, banana, peach, lettuce, pine, jeweled distaff thistle, walnut, water melon, strawberry, clover, dahlia plant, tree of heaven, rose plant, ash tree, elm tree, northern catalpa, liliac, black locust, white mulberry, black mulberry, maple tree; quince, sugar beet, european ash, hollyhock, four O'clock plant, marshmallow, pumpkin, almond, pagoda tree, dog rose, willow, burdock, elderberry, sour cherry.

11. *Tetranychus urticae* Koch, 1836

Tetranychus (Tetranychus) urticae.– Tuttle & Baker, 1968.

Acarus telarius Linnaeus, 1758; *Tetranychus telarius*.– Dugès, 1834 (Synonymized by Smith & Baker, 1968).

Acarus sambuci Schrank, 1781; *Tetranychus sambuci*.– Koch, 1842; *Epitetranychus sambuci*.– Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).

Tetranychus dugesii Cano & Alcacio, 1886 (Synonymized by Estebanes-Gonzalez & Baker, 1968).

Acarus textor Fourcroy, 1785; *Tetranychus textor*.– Oudemans, 1929 (Synonymized by Pritchard & Baker, 1955).

Tetranychus russeolus Koch, 1838 (Synonymized by Pritchard & Baker, 1955).

Tetranychus viburni Koch, 1838; *Schizotetranychus viburni*.– Oudemans, 1937 (Synonymized by Pritchard & Baker, 1955).

Tetranychus fervidus Koch, 1841 (Synonymized by Pritchard & Baker, 1955).

Acarus cucumeris Boisduval, 1867; *Tetranychus cucumeris*.– Murray, 1877 (Synonymized by Pritchard & Baker, 1955).

Acarus rosarum Boisduval, 1867; *Tetranychus rosarum*.– Murray, 1877 (Synonymized by Pritchard & Baker, 1955).

Acarus haematodes Boisduval, 1867; *Tetranychus telarius haematodes*.– Murray, 1877 (Synonymized by Pritchard & Baker, 1955).

Acarus ferrugineus Boisduval, 1867; *Tetranychus ferrugineus*.– Murray, 1877 (Synonymized by Pritchard & Baker, 1955).

Acarus vitis Boisduval, 1867; *Tetranychus vitis*.– Murray, 1877 (Synonymized by Pritchard & Baker, 1955).

Distigmatus pilosus Donnadieu, 1875 (Synonymized by Pritchard & Baker, 1955).

Tetranychus major Donnadieu, 1875 (Synonymized by Pritchard & Baker, 1955).
Tetranychus piger Donnadieu, 1875 (Synonymized by Pritchard & Baker, 1955).
Tetranychus minor Donnadieu, 1875 (Synonymized by Pritchard & Baker, 1955).
Tetranychus longitarsis Donnadieu, 1875 (Synonymized by Pritchard & Baker, 1955).
Tetranychus plumistoma Donnadieu, 1875 (Synonymized by Pritchard & Baker, 1955).
Tetranychus fici Murray, 1877 (Synonymized by Pritchard & Baker, 1955).
Tetranychus fragariae Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).
Tetranychus eriostemi Murray, 1877 (Synonymized by Pritchard & Baker, 1955).
Tetranychus inaequalis Targioni & Tozzetti, 1878 (Synonymized by Pritchard & Baker, 1955).
Tetranychus bimaculatus Harvey, 1892 (Synonymized by Pritchard & Baker, 1955).
Tetranychus altheae Von Hanstein, 1901; *Epitetranychus altheae*.– Zacher, 1916 (Synonymized by Reck, 1950).
Tetranychus aratica Basu, 1963 (Synonymized by Gupta & Gupta, 1994).
Epitetranychus hamatus Zacher, 1916 (Synonymized by Pritchard & Baker, 1955).
Epitetranychus aequans Zacher, 1916 (Synonymized by Pritchard & Baker, 1955).
Epitetranychus alceae Oudemans, 1928 (Synonymized by Pritchard & Baker, 1955).
Tetranychus reinwardtiae Oudemans, 1930; *Epitetranychus reinwardtiae*.– Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).
Epitetranychus caldari Oudemans, 1931; *Tetranychus (Epitetranychus) caldari*.– Geijskes, 1939 (Synonymized by Pritchard & Baker, 1955).
Tetranychus fransseni Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).
Tetranychus aspidistrae Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).
Tetranychus choisyae Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).
Tetranychus stellariae Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).
Tetranychus violae Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).
Tetranychus manihotis Oudemans, 1931 (Synonymized by Pritchard & Baker, 1955).
Eotetranychus inexpectatus André, 1933 (Synonymized by Pritchard & Baker, 1955).
Tetranychus dahliae Oudemans, 1937 (Synonymized by Pritchard & Baker, 1955).
Eotetranychus cucurbitacearum Sayed, 1946; *Tetranychus cucurbitacearum*.– Attiah, 1967 (Synonymized by Pritchard & Baker, 1955).
Tetranychus multisetis McGregor, 1950 (Synonymized by Pritchard & Baker, 1955).
Tetranychus arabicus Attiah, 1967 (Synonymized by Meyer, 1987).
Tetranychus aduncus Flechtmann & Baker, 1967 (Synonymized by Flechtmann & Baker, 1970).
Tetranychus reetalius Basu, 1963 (Synonymized by Gupta & Gupta, 1994).
Tetranychus ricinus Saba, 1973 (Synonymized by Meyer, 1987).
Eotetranychus scabrisetus Ugarov & Nikolskii, 1937 (Synonymized by Pritchard & Baker, 1955).
Tetranychus urticae dianthica Dosse, 1952 (Synonymized by Pritchard & Baker 1955).
 Distribution in Iran: Mazandaran (Afshar 1936, 1938; Davachi & Taghizadeh 1954; Faraji & Kamali 1993; Faraji 1993; Taghavi *et al.* 1998a; Barimani-Varandi *et al.* 2004; Abbasipour *et al.* 2006; Saei-Dehghan *et al.* 2009; Khodayari *et al.* 2011), Hamedan (Khanjani & Kamali 1993, 1998; Khanjani & Eghbalian 2003, 2008a; Khanjani *et al.* 2003; Malmir 2003; Khanjani 2004; Khanjani & Mirab-Balou 2005a, b, c, 2006; Khanjani & Haddad Irani-Nejad 2006; Rostami *et al.* 2010e), Sistan and Baluchestan (Arbabi *et al.* 2002; Khanjani 2004; Masoudian *et al.* 2012), West Azarbaijan (Afshar 1936, 1938; Davachi & Taghizadeh 1954; Kheyri 1989; Akbarzadeh-Shoukat & Arbabi

2000; Hajiqanbar *et al.* 2002; Mosavi *et al.* 2004; Haddad Irani-Nejad *et al.* 2005; Baradaran *et al.* 2006; Khanjani 2006; Atamehr *et al.* 2007), Semnan (Dezianian & Nadali 2000), Chahar Mahal and Bakhtiari (Saeidi & Nourbakhsh 2002; Saeidi & Salehi 2004; Saeidi & Nemati 2012), Guilan (Hajizadeh 2006a, b; Ramroodi *et al.* 2006; Noei *et al.* 2008; Nejadqanbar *et al.* 2010; Khodayari *et al.* 2011), Kermanshah (Afshar 1936, 1938; Davachi & Taghizadeh 1954; Khanjani & Haddad Irani-Nejad 2006; Darb-Emamieh *et al.* 2008a; Babakfard *et al.* 2008), Kordistan (Mansour-Ghazi *et al.* 2008; Khanjani & Haddad Irani-Nejad 2006), Khuzestan (Parsi 1976; Shishehbor & Kamali 1990a; Mirkarimi 1999; Nemati *et al.* 2010), Markazi (Afshar 1936, 1938; Davachi & Taghizadeh 1954; Hosseini-Nia & Arbabi 2008; Baradaran *et al.* 2008b; Modarres & Vafai 2010; Modarres & Heidari 2010), Loristan (Azadbakht 2003; Moridi *et al.* 2003; Jafari & Akbarzadeh 2003; Mohiseni *et al.* 2006; Mohiseni & Ghaed-Rahmati 2010; Hojjati *et al.* 2010; Abolfathi *et al.* 2010; Jafari, sh. *et al.* 2010, 2011a, b, 2012), Tehran (Afshar 1936, 1938; Davachi & Taghizadeh 1954c; Farahbakhsh 1961; Sepasgozarian 1972, 1976; Esmaeili & Oloumi-Sadeghi 1980; Behdad 1988, 1989; Zomorodi 1991; Arbabi & Baradaran 2000; Baradaran *et al.* 2004, 2006, 2007, 2008b; Ahmadi *et al.* 2005; Mohammadi & Yarmand 2005; Arbabi *et al.* 2006d, 2008a, 2009; Mehrkhou & Fathipour 2006; Kianpour *et al.* 2006; Khanjani & Haddad Irani-Nejad 2006; Sedaratian *et al.* 2008; Ardeshir 2010; Khodayari *et al.* 2011; Ghasemi-Moghadam *et al.*, 2012), Golestan (Sepasgozarian 1971a, 1972, 1976; Khalil-Manesh 1972; Sepasgozarian & Schruft 1975; Parsi 1976; Faraji 1993; Mehran 1998; Ahmadi *et al.* 2004; Forghani *et al.* 2006; Arbabi *et al.* 2006d; Khanjani 2006; Ardeshir 2010; Forghani *et al.* 2011; Khodayari *et al.* 2011), East Azarbaijan (Afshar 1936, 1938; Davachi & Taghizadeh 1954; Shirdel *et al.* 2000; Khodayari *et al.* 2007b, 2011; Lotfollahi *et al.* 2010), Alborz (Behdad 1988; Kheyri 1989; Arbabi & Baradaran 2000; Jamali *et al.* 2001; Babmorad & Sadeghi 2004; Khanjani & Haddad Irani-Nejad 2006; Kianpour *et al.* 2006; Arbabi *et al.* 2006c; Baradaran *et al.* 2008b), Razavi Khorasan (Afshar 1936, 1938; Davachi & Taghizadeh 1954; Jafarpour *et al.* 1985; Shahrokhi 1988; Sadeghi 1995; Sirjani & Arbabi 2004; Sadeghi-Namaghi 2009, 2010; Sheikholeslam-Zadeh *et al.* 2010; Shakhsh-Zare 2008a; Khodayari *et al.* 2011), North Khorasan (Jafarpour *et al.* 1985; Shahrokhi 1988; Sadeghi-Namaghi 2010; Khodayari *et al.* 2011), Isfahan (Parsi 1976; Dastgheib-Beheshti 1980; Behdad 1988, 2002 Senu Davachi, 1949; Baradaran *et al.* 2008b; Arbabi *et al.* 2009; Bagheri & Nasr-Isfahani 2011), South Khorasan (Darmiani *et al.* 2011), Zanzan (Rahmani *et al.* 2011), Kerman (Izadi *et al.* 2010a), Ardabil (Razmjou *et al.* 2009a, b; Khodayari *et al.* 2011), Fars (Afshar 1936, 1938; Davachi & Taghizadeh 1954; Parsi 1976; Khanjani 2004), Hormozgan (Arbabi *et al.* 2002).

Habitat in Iran: Citrus orchards, tea plant, field crops, sugar beet, apple trees, egg plant fields, potato fields, broad leaf trees, poplar trees, cotton plant, pepper, corn plant, cucumber plant, strawberry fields, soybean plant, tomato plant, stored rice, nests of house sparrow and crested lark, weed, soil, mulberry, clover, alfalfa, bitter vetch, liquorice, pagoda tree, russian knapweed, camelthorn, kiwi, crop fields, fruit trees, range plant, european black pine trees, pinto bean, chitty bean plant, colorado bean plant, navy bean plant, kidney bean plant, black eye bean plant, common mallow, marsh mallow, black nightshade, bean plants, leaves and young branches of broad leaf trees, maple tree, oak trees, alder trees, japanese camellia tree, common hornbeam trees, northern catalpa trees, bladder senna, red berried cotoneaster, european ash trees, wild jasmine shrub, walnut trees, sweet bay, persian ironwood tree, chinese photinia trees, pistachio trees, plane tree, fales acacia tree, dog rose shrub, linden tree, elm tree, ash tree, black

locust, eastern cottonwood, tree of heaven, marshmallow, blood amaranth, paper flower, summer lilac, mexican orange, umbrella papyrus, clove pink, teasel, noche buena, rubber fig, freesias, canarian ivy, sunflower, holly, garden balsam, morning glories, banana, common evening primrose, petunias, firethorn, mexican marigolds, common verbena, cramp bark, lamb's quarters, slender amaranth, johnsongrass, field mustard, shepherd's-purse, hairy fleabane, sharp-fringed sow thistle, willow leaf lettuce, london rocket, common knotgrass, field bindweed, rough cocklebur, heliotrope, african mustard, pomegranate, palm, citrus, weeds in pome fruit orchards, european black nightshade, pennyroyal, dewberry, gourd, fennel, common lavender, rosemary, lemon balm, garden sage, common fig, peppermint, tobacco, sugar beet, melon, castor bean, kenaf, sesame, lavender, canola, garlic, raspberry, plum, elderberry, grape, cowpea, alfalfa, common lambsquarter, creeping thistle, prickly lettuce, common mallow, spiny cocklebur.

Genus *Tetranychopsis* Canestrini, 1889

1. *Tetranychopsis horridus* (Canestrini & Fanzago, 1876)

Tetranychus horridus Canestrini & Fanzago, 1876 (Original designation); *Neophyllobius horridus*.– Berlese, 1886; *Tetranychopsis horrida*.– Canestrini, 1889; *Tetranychopsis horrida*.– Berlese, 1894; *Tetranychopsis horridus*.– Geijskes, 1939. *Tetranychopsis hostilis* Reck, 1956 (Synonymized by Wainstein, 1960).

Distribution in Iran: Ardabil (Rahmani *et al.* 2008a; Pahlavan-Yali *et al.* 2012).
Habitat in Iran: Common hazel, egyptian willow.

Remarks 1: Majidi & Akrami (2012) reported the genus, *Schizonobiella* Beer & Lang, 1957 from the leaves of date trees in Fars province. In addition, three unidentified species of *Bryobiella* Tuttle & Baker, 1968, *Paraplombia* Wainstein, 1960 and *Pseudobryobia* McGregor, 1950 are also reported by Khanjani & Kamali (1998) from the pagoda tree, alfalfa fields, fruit trees and range plants. Furthermore an unidentified species of *Neotetranychus* Trägårdh was reported from Iran by Sepasgozarian (1971).

Remarks 2: The two species listed hereunder are considered as nomen nudum species.

1. *Eotetranychus evivi*

Distribution in Iran: Fars (Khalil-Manesh 1972; Behdad 1984), Tehran (Khalil-Manesh 1972; Behdad 1984), Alborz (Khalil-Manesh 1972; Behdad 1984).

Habitat in Iran: Apple trees.

2. *Tetranychus asia*

Distribution in Iran: Caspian sea area (Abaii 2000).

Habitat in Iran: Common camellia, Leaves and young branches of japanese camellia tree.

Family Tuckerellidae Baker & Pritchard, 1953

Genus *Tuckerella* Womersley, 1940

1. *Tuckerella flabellifera* Miller, 1964

Distribution in Iran: Mazandaran (Taghavi *et al.* 1998a; Abbasipour *et al.* 2006).

Habitat in Iran: Tea plant.

2. *Tuckerella hypoterra* McDaniel & Morihara, 1975

Distribution in Iran: Guilan (Nejadqanbar *et al.* 2010).

Habitat in Iran: Tea plant; Soil sample.

3. *Tuckerella japonica* Ehara, 1975

Distribution in Iran: Mazandaran (Barimani-Varandi & Kamali 1998a).

Habitat in Iran: Conifer trees.

Remarks: The first report of tuckerellid mites is that of Kamali (1989) by mentioning *Tuckerella* sp. near. *knorri* Baker & Tuttle, 1975 from cypress trees in Khuzestan.

Discussion

Along with our study, Khanjani *et al.* (2013) also prepared a checklist on Iranian flat mite of family Tenuipalpidae. Because of ignoring a wide range of the publications we included this family here again.

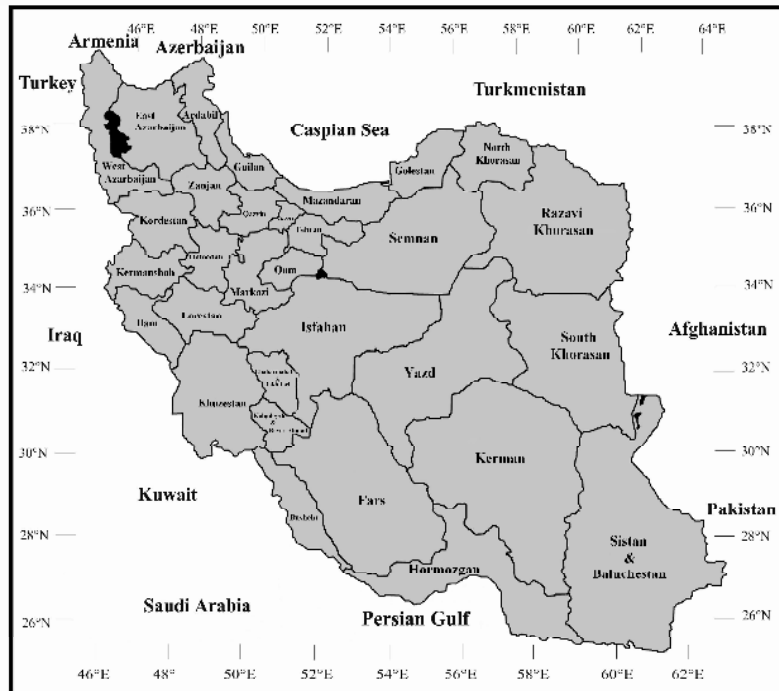


Figure 1. Map of Iran with the provinces according to latest divisions.

Table 1. Number of genera and species of raphignathoid and tetranychoid mites recorded from Iran.

Family	Number of genera	Number of species
Barbutiidae	1	2
Caligonellidae	5	18
Camerobiidae	2	14
Cryptognathidae	1	2
Eupalopsellidae	1	5
Raphignathidae	1	17
Stigmaeidae	11	69
Linotetranychidae	1	5
Tenuipalpidae	13	65
Tetranychidae	19	66
Tuckerellidae	1	3
SUM	56	266

Table 2. Information of host plants.

Common name	Specific name	Family
African mustard	<i>Malcolmia africana</i>	Brassicaceae
Alder	<i>Alnus</i> sp.	Betulaceae
Alfalfa	<i>Medicago sativa</i>	Fabaceae
Aluminium plant	<i>Pilea cadierei</i>	Urticaceae
Almond	<i>Prunus amygdalus</i>	Rosaceae
Apple	<i>Malus domestica</i>	Rosaceae
Apricot	<i>Prunus armeniaca</i>	Rosaceae
Azarole	<i>Crataegus azarolus</i>	Rosaceae
Arizona cypress	<i>Cupressus arizonica</i>	Cupressaceae
Ash	<i>Fraxinus excelsior</i>	Oleaceae
Astragal	<i>Astragalus</i> sp.	Fabaceae
Baby's-breath	<i>Gypsophila paniculata</i>	Caryophyllaceae
Banana	<i>Musa</i> sp.	Musaceae
Barberson daisy	<i>Gerbera jamesonii</i>	Asteraceae
Bay willow	<i>Salix pentandra</i>	Salicaceae
Bead tree	<i>Melia azedarach</i>	Meliaceae
Bellbind	<i>Calystegia sepium</i>	Convolvulaceae
Bermuda grass	<i>Cynodon dactylon</i>	Poaceae
Bishops children	<i>Dahlia</i> sp.	Asteraceae
Bitter vetch	<i>Vicia ervilia</i>	Fabaceae
Black bindweed	<i>Polygonum convolvulus</i>	Polygonaceae
Black cherry	<i>Prunus cerasus</i>	Fabaceae
Black eye bean	<i>Vigna unguiculata</i>	Fabaceae
Black locust	<i>Robinia pseudoacacia</i>	Fabaceae
Black mulberry	<i>Morus nigra</i>	Moraceae
Black nightshade	<i>Solanum nigrum</i>	Solanaceae
Blackthorn	<i>Prunus spinosa</i>	Rosaceae
Bladder senna	<i>Colutea arborescens</i>	Fabaceae
Blood amaranth	<i>Amaranthus cruentus</i>	Amaranthaceae
Brome chess	<i>Bromus danthoniae</i>	Poaceae
Bulbous bluegrass	<i>Poa bulbosa</i>	Poaceae
Burdock	<i>Arctium lappa</i>	Asteraceae
Button mushroom	<i>Agaricus bisporus</i>	Agaricaceae
Camelthorn	<i>Alhagi maurorum</i>	Fabaceae
Camelthorn	<i>Alhagi camelorum</i>	Fabaceae
Canarian Ivy	<i>Hedera canariensis</i>	Araliaceae
Canola	<i>Brassica</i> sp.	Brassicaceae
Castor bean	<i>Ricinus communis</i>	Euphorbiaceae
Centaury	<i>Centaurea</i> sp.	Asteraceae
Chickpea	<i>Cicer arietinum</i>	Fabaceae
Chinese date	<i>Ziziphus jujuba</i>	Rhamnaceae
Chinese photinia	<i>Photinia serratifolia</i>	Rosaceae
Chinese willow	<i>Salix matsudana</i>	Salicaceae
Christ's thorn	<i>Paliurus spina-christi</i>	Rhamnaceae
Clove pink	<i>Dianthus caryophyllus</i>	Caryophyllaceae
Clover	<i>Trifolium</i> sp.	Fabaceae

Table 2. Continued.

Common name	Specific name	Family
Coastal aster	<i>Aster</i> sp.	Asteraceae
Common bean	<i>Phaseolus vulgaris</i>	Fabaceae
Common box	<i>Buxus sempervirens</i>	Buxaceae
Common evening primrose	<i>Oenothera biennis</i>	Onagraceae
Common hawthorn	<i>Crataegus monogyna</i>	Rosaceae
Common hazel	<i>Corylus avellana</i>	Corylaceae
Common hornbeam	<i>Carpinus betulus</i>	Betulaceae
Common juniper	<i>Juniperus communis</i>	Cupressaceae
Common knotgrass	<i>Polygonum aviculare</i>	Polygonaceae
Common lambsquarter	<i>Chenopodium album</i>	Amaranthaceae
Common mallow	<i>Malva neglecta</i>	Malvaceae
Common purslane	<i>Portulaca oleracea</i>	Portulacaceae
Common rhododendron	<i>Rhododendron</i> sp.	Ericaceae
Common sowthistle	<i>Sonchus oleraceus</i>	Asteraceae
Common verbena	<i>Verbena officinalis</i>	Verbenaceae
Common windgrass	<i>Apera spica-venti</i>	Poaceae
Corn	<i>Zea mays</i>	Poaceae
Cotton	<i>Gossypium hirsutum</i>	Malvaceae
Cowpea	<i>Vigna unguiculata</i>	Fabaceae
Cramp bark	<i>Viburnum</i> sp.	Adoxaceae
Creeping thistle	<i>Cirsium arvense</i>	Asteraceae
Cucumber	<i>Cucumis sativus</i>	Cucurbitaceae
Cyclamen	<i>Cyclamen persicum</i>	Myrsinaceae
Cypress trees	<i>Cupressus</i> sp.	Cupressaceae
Dahlia plant	<i>Dahlia</i> sp.	Compositae
Date	<i>Phoenix dactylifera</i>	Arecaceae
Dewberry	<i>Rubus caesius</i>	Rosaceae
Dog rose	<i>Rosa canina</i>	Rosaceae
Drooping brome	<i>Bromus tectorum</i>	Poaceae
Eastern cottonwood	<i>Populus deltoides</i>	Salicaceae
Eggplant	<i>Solanum melongena</i>	Solanaceae
Egyptian willow	<i>Salix avellana</i>	Salicaceae
Elderberry	<i>Sambucus nigra</i>	Adoxaceae
Elm tree	<i>Ulmus</i> sp.	Ulmaceae
European ash	<i>Fraxinus excelsior</i>	Oleaceae
European black nightshade	<i>Solanum nigrum</i>	Solanaceae
European black pine	<i>Pinus nigra</i>	Pinaceae
European pear	<i>Pyrus communis</i>	Rosaceae
False acacia	<i>Robinia pseudoacacia</i>	Fabaceae
Fennel	<i>Foeniculum vulgare</i>	Apiaceae
Field bindweed	<i>Convolvulus arvensis</i>	Convolvulaceae
Field mustard	<i>Sinapis arvensis</i>	Brassicaceae
Fig tree	<i>ficus carica</i>	Moraceae
Firethorn	<i>Pyracantha</i> sp.	Rosaceae

Table 2. Continued.

Common name	Specific name	Family
Flowering quince	<i>Chaenomeles</i> sp.	Rosaceae
Four O'clock plant	<i>Mirabilis jalapa</i>	Nyctaginaceae
Freesias	<i>Freesia</i> sp.	Iridaceae
French tamarisk	<i>Tamarix gallica</i>	Tamaricaceae
Fumitory	<i>Fumaria</i> sp.	Papaveraceae
Garden balsam	<i>Impatiens balsamina</i>	Balsaminaceae
Garden sage	<i>Salvia officinalis</i>	Lamiaceae
Garlic	<i>Allium sativum</i>	Amaryllidaceae
Geranium	<i>Pelargonium zonale</i>	Geraniaceae
Goosefoot	<i>Chenopodium</i> sp.	Amaranthaceae
Gourd	<i>Cucurbita</i> sp.	Cucurbitaceae
Grape	<i>Vitis vinifera</i>	Vitaceae
Greengram	<i>Vigna radiata</i>	Fabaceae
Guava	<i>Psidium</i> sp.	Myrtaceae
Gum bushes	<i>Astragalus gossypinus</i>	Fabaceae
Hairy fleabane	<i>Conyza bonariensis</i>	Asteraceae
Hawthorn	<i>Crataegus azarolus</i>	Rosaceae
Heaven tree	<i>Ailanthus altissima</i>	Simaroubaceae
Heliotrope	<i>Heliotropium lasiocarpum</i>	Boraginaceae
Hibiscus	<i>Hibiscus</i> sp.	Malvaceae
Hoary cress	<i>Lepidium draba</i>	Brassicaceae
Holly	<i>Ilex aquifolium</i>	Aquifoliaceae
Hollyhock	<i>Alcea</i> sp.	Malvaceae
Ivy plant	<i>Hedera</i> sp.	Araliaceae
Japanese camellia	<i>Camellia japonica</i>	Theaceae
Japanese medlar	<i>Eriobotrya japonica</i>	Rosaceae
Japanese quince	<i>Chaenomeles japonica</i>	Rosaceae
Japanese spindle	<i>Euonymus japonicus</i>	Celastraceae
Jeweled distaff thistle	<i>Carthamus oxyacanthus</i>	Asteraceae
Johnsongrass	<i>Sorghum halepense</i>	Poaceae
Joint-pine	<i>Ephedra procera</i>	Ephedraceae
Jujube	<i>Ziziphus jujuba</i>	Rhamnaceae
Kaki persimmon	<i>Diospyros kaki</i>	Ebenaceae
Kanaf	<i>Hibiscus cannabinus</i>	Malvaceae
Kidney bean	<i>Phaseolus vulgaris</i>	Fabaceae
Kiwi fruit	<i>Actinidia deliciosa</i>	Actinidiaceae
Lady's finger	<i>Abelmoschus esculentus</i>	Malvaceae
Lamb's quarters	<i>Chenopodium album</i>	Amaranthaceae
Lavander	<i>Lavandula angustifolia</i>	Lamiaceae
Lebbek	<i>Albizia lebeck</i>	Fabaceae
Lemon balm	<i>Melissa officinalis</i>	Lamiaceae
Lentil	<i>Lens culinaris</i>	Fabaceae
Lilic	<i>Syringa vulgaris</i>	Oleaceae
Lime tree	<i>Tilia</i> sp.	Malvaceae

Table 2. Continued.

Common name	Specific name	Family
Linden	<i>Tilia</i> sp.	Malvaceae
Liquorice	<i>Glycyrrhiza glabra</i>	Fabaceae
Locoweed	<i>Astragalus</i> sp.	Fabaceae
Locust tree	<i>Robinia</i> sp.	Fabaceae
London rocket	<i>Sisymbrium irio</i>	Brassicaceae
Mango	<i>Mangifera indica</i>	Anacardiaceae
Manna trees	<i>Tamarix</i> sp.	Tamaricaceae
Maple tree	<i>Acer</i> sp.	Sapindaceae
Marshmallow	<i>Althaea officinalis</i>	Malvaceae
Mediterranean cypress	<i>Cupressus sempervirens</i>	Cupressaceae
Mexican marigold	<i>Tagetes erecta</i>	Asteraceae
Mexican orange	<i>Choisya ternata</i>	Rutaceae
Mesquite trees	<i>Prosopis</i> sp.	Fabaceae
Milkweed	<i>Calotropis</i> sp.	Rutaceae
Mint	<i>Mentha</i> sp.	Lamiaceae
Mirabelle plum	<i>Prunus domestica</i>	Rosaceae
Mistletoe	<i>Viscum</i> sp.	Santalaceae
Morning glories	<i>Ipomoea</i> sp.	Convolvulaceae
Mt. Atlas mastic tree	<i>Pistacia atlantica</i>	Anacardiaceae
Mulberry	<i>Morus</i> sp.	Moraceae
Mung	<i>Vigna radiata</i>	Fabaceae
Musquite trees	<i>Prosopis</i> sp.	Fabaceae
Nabk tree	<i>Cedrus</i> sp.	Pinaceae
Navy bean	<i>Phaseolus vulgaris</i>	Fabaceae
Neem trees	<i>Azadirachta indica</i>	Meliaceae
Noche buena	<i>Euphorbia pulcherrima</i>	Euphorbiaceae
Northern catalpa	<i>Catalpa speciosa</i>	Bignoniaceae
Norway spruce	<i>Picea abies</i>	Pinaceae
Oak	<i>Quercus</i> sp.	Fagaceae
Okra	<i>Abelmoschus esculentus</i>	Malvaceae
Oleander	<i>Nerium oleander</i>	Apocynaceae
Olive	<i>Olea europaea</i>	Oleaceae
Orange tree	<i>Citrus sinensis</i>	Rutaceae
Oriental arborvitae	<i>Thuja</i> sp.	Cupressaceae
Oriental beech	<i>Fagus orientalis</i>	Fagaceae
Pacific red redcedar	<i>Thuja plicata</i>	Cupressaceae
Pagoda tree	<i>Sophora alopecuroides</i>	Fabaceae
Papaya	<i>Carica papaya</i>	Caricaceae
Paper flower	<i>Bougainvillea glabra</i>	Nyctaginaceae
Peach	<i>Prunus persica</i>	Rosaceae
Pear	<i>Pyrus communis</i>	Rosaceae
Pennyroyal	<i>Mentha pulegium</i>	Lamiaceae
Peppermint	<i>Mentha piperita</i>	Lamiaceae
Pepper weed	<i>Lepidium latifolium</i>	Brassicaceae

Table 2. Continued.

Common name	Specific name	Family
Persian ironwood trees	<i>Parrotia persica</i>	Hamamelidaceae
Persian juniper	<i>Juniperus polycarpus</i>	Cupressaceae
Persian silk tree	<i>Albizia julibrissin</i>	Fabaceae
Petunias	<i>Petunia hybrida</i>	Solanaceae
Pine trees	<i>Pinus</i> sp.	Pinaceae
Pinto bean	<i>Phaseolus vulgaris</i>	Fabaceae
Pistachio	<i>Pistacia vera</i>	Anacardiaceae
Plane tree	<i>Platanus orientalis</i>	Platanaceae
Plum tree	<i>Prunus</i> sp.	Rosaceae
Poplar tree	<i>Populus alba</i>	Salicaceae
Potato	<i>Solanum tuberosum</i>	Solanaceae
Prickly lettuce	<i>Lactuca serriola</i>	Asteraceae
Primrose	<i>Primula</i> sp.	Primulaceae
Privet	<i>Ligustrum</i> sp.	Oleaceae
Pomegranate	<i>Punica granatum</i>	Lythraceae
Prostrata juniper	<i>Juniperus horizontalis</i>	Cupressaceae
Pumpkin	<i>Cucurbita</i> sp.	Cucurbitaceae
Pussy willow	<i>Salix aegyptiaca</i>	Salicaceae
Quince tree	<i>Cydonia oblonga</i>	Rosaceae
Radish	<i>Raphanus sativus</i>	Brassicaceae
Red berried cotoneaster	<i>Cotoneaster cornubia</i>	Rosaceae
Red raspberry	<i>Rubus idaeus</i>	Rosaceae
Ribbon dracaena	<i>Dracaena sandariana</i>	Asparagaceae
Rice	<i>Oryza</i> sp.	Poaceae
Ribwort plantain	<i>Plantago lanceolata</i>	Plantaginaceae
Rosemary	<i>Rosmarinus officinalis</i>	Lamiaceae
Rough cocklebur	<i>Xanthium strumarium</i>	Asteraceae
Rubber fig	<i>Ficus elastica</i>	Moraceae
Russian knapweed	<i>Acroptilon repens</i>	Asteraceae
Saffron	<i>Crocus sativus</i>	Iridaceae
Sainfoins	<i>Onobrychis cornuta</i>	Fabaceae
Scented geraniums	<i>Pelargonium zonale</i>	Geraniaceae
Sesame	<i>Sesamum indicum</i>	Pedaliaceae
Sharp-fringed sow thistle	<i>Sonchus asper</i>	Asteraceae
Shepherd's-purse	<i>Capsella bursa-pastoris</i>	Brassicaceae
Silver poplar	<i>Populus alba</i>	Salicaceae
Slender amaranth	<i>Amaranthus viridis</i>	Amaranthaceae
Slender meadow foxtail	<i>Alopecurus myosuroides</i>	Poaceae
Sophore	<i>Sophora pachycarpa</i>	Fabaceae
Sorrel plant	<i>Rumex</i> sp.	Polygonaceae
Sour cherry	<i>Prunus cerasus</i>	Rosaceae
Soybean	<i>Glycine max</i>	Fabaceae
Spindle	<i>Euonymus</i> sp.	Celastraceae
Spiny cocklebur	<i>Xanthium spinosum</i>	Asteraceae

Table 2. Continued.

Common name	Specific name	Family
Spiny hawthorn trees	<i>Crataegus aronia</i>	Rosaceae
Spruce trees	<i>Picea</i> sp.	Pinaceae
Squash	<i>Cucurbita</i> sp.	Cucurbitaceae
Stone pine	<i>Pinus pinea</i>	Pinaceae
Strawberry	<i>Rubus idaeus</i>	Rosaceae
Sugar beet	<i>Beta vulgaris</i>	Amaranthaceae
Sugarcane	<i>Saccharum officinarum</i>	Poaceae
Summer lilac	<i>Buddleja davidii</i>	Scrophulariaceae
Sunflower	<i>Helianthus annuus</i>	Asteraceae
Sweet bay	<i>Laurus nobilis</i>	Lauraceae
Sweet cherry	<i>Prunus avium</i>	Rosaceae
Sweet lemon trees	<i>Citrus limetta</i>	Rutaceae
Tamarisk	<i>Tamarix</i> sp.	Tamaricaceae
Tea	<i>Camellia sinensis</i>	Theaceae
Teasel	<i>Dipsacus</i> sp.	Dipsacaceae
Thuja tree	<i>Thuja orientalis</i>	Cupressaceae
Tobacco	<i>Nicotinia</i> sp.	Solanaceae
Tomato	<i>Solanum lycopersicum</i>	Solanaceae
Tragacanth	<i>Astragalus</i> sp.	Fabaceae
Tree of heaven	<i>Ailanthus altissima</i>	Simaroubaceae
Turkish fir tree	<i>Abies bornmuelleriana</i>	Pinaceae
Umbrella papyrus	<i>Cyperus alternifolius</i>	Cyperaceae
Walnut	<i>Juglans regia</i>	Juglandaceae
Watermelon	<i>Citrullus lanatus</i>	Cucurbitaceae
Western redcedar	<i>Thuja plicata</i>	Cupressaceae
White mulberry	<i>Morus alba</i>	Moraceae
White willow	<i>Salix alba</i>	Salicaceae
Wild almond	<i>Amygdalus scoparia</i>	Rosaceae
Wild cherry	<i>Prunus avium</i>	Rosaceae
Wild jasmine	<i>Jasminum fruticans</i>	Oleaceae
Wild privet	<i>Ligustrum vulgare</i>	Oleaceae
Wild rye	<i>Leymus</i> sp.	Poaceae
Willow	<i>Salix</i> sp.	Salicaceae
Willow leaf lettuce	<i>Lactuca</i> sp.	Asteraceae
Wintercreeper	<i>Euonymus fortunei</i>	Celastraceae
Woods' rose	<i>Rosa woodsii</i>	Rosaceae
Wormwood	<i>Artemisia scoparia</i>	Asteraceae
Yarrow	<i>Achillea millefolium</i>	Asteraceae

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کاتالوگ کنه‌های پیش‌استیگمای بالاخانواده‌های **Raphignathoidea** و **Tetranychoida (Acari)** ایران

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چکیده

کاتالوگ تهیه شده مشتمل بر ۵۶ جنس و ۲۶۶ گونه از کنه‌های گزارش شده از ایران، متعلق به دو بالاخانواده **Raphignathoidea** و **Tetranychoida** تا پایان ماه ژانویه سال ۲۰۱۳ میلادی است که اطلاعاتی را در مورد پراکندگی گونه‌ها و زیستگاه‌های آنها که در منابع نگاشته شده بود، در بر می‌گیرد. در پاره‌ای از موارد نیز توضیحاتی در رابطه با گزارش‌های نادرست و همچنین گونه‌های بی‌هویت ارائه شده است.

واژگان کلیدی: فهرست، کنه، زیستگاه، پراکندگی، ایران.

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