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Checklist of the mites of Pakistan

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Abstract

We present the first comprehensive inventory of the mites of Pakistan, based on data from published books and papers. The fauna as presently understood includes 126 families, 316 genera, and 1105 species. The best-documented genera are those that include pests of stored food (for example *Acotyledon*, 28 species), plant pests (*Brevipalpus*, 49 species; *Tenuipalpus*, 35 species), and beneficial predators (*Euseius*, 44 species; *Neoseiulus*, 37 species; *Phytoseius*, 36 species; *Typhlodromus*, 47 species). Some economically important families such as the Eriophyidae are almost completely unknown. Some of the Cryptostigmata have been studied, but other groups of soil mites are very poorly known. Other large groups such as the feather mites, water mites, Uropodina, and parasitic Astigmata and Prostigmata, have not been studied in a systematic way. An increase in knowledge of these groups would help an assessment of their economic importance, and would make a valuable contribution to the biogeography of the western section of the Oriental Region and the southern section of the Palearctic Region.

Key words: Acari, Mites, Pakistan

Introduction

Our knowledge of the mites of Pakistan is still in its infancy. A few groups were studied in a fragmentary way before 1970, but serious study of the fauna only began with the pioneering studies of Wali M. Chaudhri (Chaudhri, Akbar & Rasool, 1974, 1979; Chaudhri & Akbar, 1985). Since then many smaller studies of the mites of Pakistan have been published, especially dealing with agricultural pests and their natural enemies. However, there has never been any attempt to consolidate this information and compile an overall picture of the fauna. The available information is incomplete, widely scattered, and often difficult to obtain. Some families of plant pests have been studied extensively, such as Tetranychidae and Tenuipalpidae. Some families of predatory mites have also been studied, in the search for potential natural enemies of crop pests (especially Phytoseiidae and Cunaxidae). Even in these economically important families, there is no modern synthesis that allows the fauna of Pakistan to be compared with the global classification of the family. That makes it difficult to identify species and compare the results with the faunas of other countries.

Pakistan straddles the boundary between the Oriental and Palearctic Biogeographic Regions. Hammer (1977) and Hammer & Wallwork (1979) drew attention to the presence of both Gondwanan and Laurasian genera of Cryptostigmata in the fauna of north-west Pakistan. A thorough study of its flora and fauna therefore has the potential to provide valuable information about the nature of this biogeographic boundary.

Our objective in this paper is therefore to facilitate communication between acarologists in Pakistan and the rest of the world, by reviewing the state of knowledge of the mite fauna of Pakistan. This review is not an end in itself, but is a tool that may be used as the basis of more detailed studies of the taxonomy and biology of this important fauna.

Methods

This checklist is the result of a literature survey, and does not include data taken directly from specimens or specimen databases. We began the project by extracting lists of species from five important monographs on the Pakistan mite fauna—Chaudhri, Akbar & Rasool (1974, 1979), Hammer (1977), Chaudhri & Akbar (1985) and Bashir & Afzal (2009). We then searched multiple on-line databases and published catalogues and monographs for further information about the mite fauna of Pakistan, and searched the lists of papers they cited to find details of other species that should be included. We also incorporated data from modern international catalogues of various taxa. These included databases of Eriophyoidea (Amrine & Stasny, 1994), Tetranychidae (Migeon & Dorkeld, 2017), Phytoseiidae (Demite, de Moraes, McMurtry, Denmark & Castilho, 2016), Tenuipalpidae (Mesa, Ochoa, Welbourn, Evans & de Moraes, 2009), Ascidae, Blattisociidae and Melicharidae (de Moraes, Britto, Mineiro & Halliday, 2016), Trombiculidae (Stekolnikov, 2013), Cunaxidae (Skvarla, Fisher & Dowling, 2014), and Stigmaeidae (Fan, Flechtmann & de Moraes, 2016). For the Cryptostigmata, we used Weigmann (2006) wherever possible, supplemented by Subías, Shtanchaeva & Arillo (2014). However, we note that the latter was published in electronic form only and is not registered in ZooBank, so it cannot be used a source of new names or other nomenclatural actions.

We did not accept records directly from on-line databases unless we were able to confirm the record in a more formal publication. Lists of references cited in papers are not always completely accurate. In order to eliminate bibliographic errors, we personally examined every publication in our own list of references (1040 books and papers), except for a very few references that are identified as “not seen”.

The information provided for each species includes its current name and authorship in bold face, followed by a bibliographic reference to its original description, with the species name in its original form. We then list at least one reference to the presence of the species in Pakistan, and at least one taxonomic reference to explain the present classification and name of the species, wherever that is possible. For most species we also include references to later publications that add further useful information about the taxonomy and biology of the species. These additional papers do not always specifically record the species from Pakistan, but provide access to other information about the species and the associated literature. We do not present a complete synonymy and bibliography for each species. For some well-known species, many other publications could have been included. Our objective is only to document the presence of the species in Pakistan and to provide an introduction to the relevant literature. The list of bibliographic references under each species also serves as a detailed record of the literature we examined. We also include details of the original description of every genus and family that includes species identified from Pakistan.

In some cases a single species has been described as new more than once, with the same name and the same description and illustrations. The name of the species becomes available the first time it satisfies the requirements of the *International Code of Zoological Nomenclature*. If it is described again and labelled as “sp. nov.” the second name becomes both a homonym and a synonym of the original name.

Authorship of papers with more than two authors is usually listed in full in the checklist, as in Ashfaq, Akhtar & Chaudhri (1986), rather than the more conventional Ashfaq *et al.*, (1986), because of the very high proportion of multi-author papers, and the high proportion of authors with similar names. We have used the *et al.*, abbreviation for only a very few publications that have a large number of authors, and which can be recognised unambiguously.

After the listing of species in each family, there is a list of records of specimens identified only to the genus level, with a reference to the paper where they were mentioned. In a few cases there is also a list of specimens identified only to the family level. There is no index, because the complete contents of the paper may be searched in PDF format.

All identifications in publications are accepted as accurate, unless there is evidence to the contrary. New taxa described in theses and internal reports are not included, because these do not satisfy the criteria of publication in the *International Code of Zoological Nomenclature* (Article 8.1). Some taxa are marked with an asterisk (*), which refers to an explanation of some unusual taxonomic or nomenclatural problem following the main checklist.

Dates of publication for papers by A.C. Oudemans follow van Eynhoven (1943), for A. Berlese follow the 1979 reprints of his work published by Junk (Amsterdam), and for C.L. Koch follow Sherborn (1923). The name of author Mansoor-ul-Hasan has sometimes been misspelled in publications as Mansoor-ul-Hassan. We have corrected that error here.

We have used an old classification of higher taxa for practical convenience, including Prostigmata, Astigmata and Cryptostigmata (e.g. Krantz, 1970), even though these groups do not represent monophyletic taxa. We have not arranged taxa into intermediate categories such as superfamily, subfamily, and subgenus, because they are not usually available and they are not relevant to our purposes. Most authors do not use subgenera when listing the names of species and they are not included here, except when they are proposed as new and later used at the genus level.

The classification of ticks from Pakistan is especially difficult. Different authors have reached different conclusions about the synonymy of various specific names, and several groups of species have not been properly resolved. The classification and names used here are based on Guglielmone *et al.*, (2010, 2014). Guglielmone & Nava (2014) and Guglielmone, Sánchez, Franco, Nava, Rueda & Robbins (2015) should be consulted for more detailed information about synonyms and misidentifications in the Ixodidae.

ASTIGMATA

ACARIDAE Latreille, 1802

Acaridae Latreille, 1802: 63 (original spelling).

Acarus Linnaeus, 1758

Acarus Linnaeus, 1758: 615.

Acarus anomalai Khan, 1967

Acarus anomalai Khan, 1967: 398.

Acarus ebrius Ashfaq, Akhtar & Chaudhri, 1986*

Acarus ebrius Ashfaq, Akhtar & Chaudhri, 1986: 226.

Acarus sentus Ashfaq, Akhtar & Chaudhri, 1986*

Acarus sentus Ashfaq, Akhtar & Chaudhri, 1986: 226.

Acarus siro Linnaeus, 1758

Acarus siro Linnaeus, 1758: 616.

Acarus siro.—Anwarullah, Khan, Hasan & Husain, 1968: 295; Khan & Anwarullah, 1970a: 46; Anwarullah, 1976: 41; Hughes, 1976: 33; Haq & Afzal, 2007: 2206; Mullen & OConnor, 2009: 443.

Tyroglyphus farinae.—Anwarullah, 1976: 41.*

Tyrophagus farinae.—Anwarullah, 1976: 41.*

Acarus umbonis Ashfaq, Akhtar & Chaudhri, 1986*

Acarus umbonis Ashfaq, Akhtar & Chaudhri, 1986: 226.

Acotyledon Oudemans, 1902*

Acotyledon Oudemans, 1902a: 44.

Acotyledon augokiensis Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015

Acotyledon augokiensis Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Acotyledon bellulus Sher, 1987*

Acotyledon bellulus Sher, 1987, in Ashfaq, Sher, Chaudhri & Aslam, 1987: 32;

Acotyledon bellulus.—Ashfaq, Sher & Chaudhri, 1990: 182; Ashfaq & Sarwar, 1999b: 12; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Acotyledon bellulus Ashfaq & Sher, 2002: 39 (junior homonym and synonym).

***Acotyledon chakwalensis* Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014**

Acotyledon chakwalensis Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 482.

Acotyledon chakwaliensis.—Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724 (incorrect spelling).

***Acotyledon ciceri* Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014**

Acotyledon ciceri Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480.

Acotyledon ciceri.—Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

***Acotyledon cristatus* Ashfaq, Sarwar & Aslam, 1998**

Acotyledon cristatus Ashfaq, Sarwar & Aslam, 1998: 67.

Acotyledon cristatus.—Ashfaq & Sarwar, 1999b: 10.

***Acotyledon dasys* Ashfaq & Sarwar, 1999**

Acotyledon dasys Ashfaq & Sarwar, 1999b: 10.

***Acotyledon distantis* Ashfaq, Chaudhri & Parvez, 1986**

Acotyledon distantis Ashfaq, Chaudhri & Parvez, 1986: 22.

Acotyledon distantis.—Ashfaq, Sher, Chaudhri & Aslam, 1987: 32; Ashfaq, Sher & Chaudhri, 1990: 182; Ashfaq, Sarwar & Aslam, 1998: 67; Ashfaq, Sarwar & Parvez, 1998: 52; Ashfaq & Sarwar, 1999b: 12; Ashfaq & Sher, 2002: 38; Haq & Afzal, 2007: 2206; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

***Acotyledon dolichos* Ashfaq & Sarwar, 1999**

Acotyledon dolichos Ashfaq & Sarwar, 1999b: 3.

Acotyledon dolichos.—Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

***Acotyledon editus* Ashfaq, Sarwar & Aslam, 1998**

Acotyledon editus Ashfaq, Sarwar & Aslam, 1998: 69.

Acotyledon editus.—Ashfaq & Sarwar, 1999b: 10.

***Acotyledon embio* Ashfaq, Sarwar & Parvez, 1998**

Acotyledon embio Ashfaq, Sarwar & Parvez, 1998: 52.

Acotyledon embio.—Ashfaq & Sarwar, 1999b: 12; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Acotyledon falki* Sher, 1987

Acotyledon falki Sher, 1987, in Ashfaq, Sher, Chaudhri & Aslam, 1987: 32.

Acotyledon falki.—Ashfaq, Sher & Chaudhri, 1990: 182; Ashfaq & Sarwar, 1999b: 12; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Acotyledon falki Ashfaq & Sher, 2002: 38 (junior homonym and synonym).

***Acotyledon haripuriensis* Ashfaq, Sher, Chaudhri & Aslam, 1987**

Acotyledon haripuriensis Ashfaq, Sher, Chaudhri & Aslam, 1987: 32.

Acotyledon haripuriensis.—Ashfaq, Sarwar & Aslam, 1998: 66; Ashfaq, Sarwar & Parvez, 1998: 51; Ashfaq & Sarwar, 1999b: 12; Haq & Afzal, 2007: 2206; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Acotyledon haripuriensis Ashfaq, Sher & Chaudhri, 1990: 182 (junior homonym and synonym).

***Acotyledon haroonabadensis* Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015**

Acotyledon haroonabadensis Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 726.

***Acotyledon hypeir* Ashfaq, Chaudhri & Parvez, 1986**

Acotyledon hypeir Ashfaq, Chaudhri & Parvez, 1986: 16.

Acotyledon hypeir.—Ashfaq, Sher, Chaudhri & Aslam, 1987: 32; Ashfaq, Sarwar & Aslam, 1998: 67; Ashfaq, Sarwar & Parvez, 1998: 51; Ashfaq & Sarwar, 1999b: 12; Haq & Afzal, 2007: 2206; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Acotyledon hyper.—Ashfaq, Sher & Chaudhri, 1990: 182 (incorrect spelling).

Acotyledon hypier.—Ashfaq & Sher, 2002: 38 (incorrect spelling).

***Acotyledon infaustus* Ashfaq, Chaudhri & Parvez, 1986**

Acotyledon infaustus Ashfaq, Chaudhri & Parvez, 1986: 8.

Acotyledon infaustus.—Ashfaq, Sher, Chaudhri & Aslam, 1987: 32; Ashfaq, Sher & Chaudhri, 1990: 182; Ashfaq, Sarwar & Aslam, 1998: 66; Ashfaq, Sarwar & Parvez, 1998: 51; Ashfaq & Sarwar, 1999b: 12; Ashfaq & Sher, 2002: 38; Haq & Afzal, 2007: 2206; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

***Acotyledon kamokiensis* Bashir, Afzal, Honey & Ashfaq, 2012**

Acotyledon kamokiensis Bashir, Afzal, Honey & Ashfaq, 2012: 747.

Acotyledon kamokiensis.—Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

***Acotyledon lucaris* Ashfaq & Sarwar, 1999**

Acotyledon lucaris Ashfaq & Sarwar, 1999b: 7.

Acotyledon lucarus.—Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724 (incorrect spelling).

***Acotyledon peshawariensis* Ashfaq, Chaudhri & Parvez, 1986**

Acotyledon peshawariensis Ashfaq, Chaudhri & Parvez, 1986: 5.

Acotyledon peshawariensis.—Ashfaq, Sher, Chaudhri & Aslam, 1987: 32; Ashfaq, Sher & Chaudhri, 1990: 182; Ashfaq, Sarwar & Aslam, 1998: 66; Ashfaq & Sarwar, 1999b: 12; Ashfaq & Sher, 2002: 38; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

***Acotyledon privus* Ashfaq, Sarwar & Parvez, 1998**

Acotyledon privus Ashfaq, Sarwar & Parvez, 1998: 53.

Acotyledon privus.—Ashfaq & Sarwar, 1999b: 12.

***Acotyledon pytho* Ashfaq, Chaudhri & Parvez, 1986**

Acotyledon pytho Ashfaq, Chaudhri & Parvez, 1986: 2.

Acotyledon pytho.—Ashfaq, Sher, Chaudhri & Aslam, 1987: 32; Ashfaq, Sher & Chaudhri, 1990: 181; Ashfaq, Sarwar & Aslam, 1998: 66; Ashfaq, Sarwar & Parvez, 1998: 51; Ashfaq & Sarwar, 1999b: 12; Ashfaq & Sher, 2002: 38; Haq & Afzal, 2007: 2206; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

***Acotyledon ruditas* Ashfaq, Chaudhri & Parvez, 1986**

Acotyledon ruditas Ashfaq, Chaudhri & Parvez, 1986: 13.

Acotyledon ruditas.—Ashfaq, Sher, Chaudhri & Aslam, 1987: 32; Ashfaq, Sher & Chaudhri, 1990: 182; Ashfaq,

Sarwar & Aslam, 1998: 67; Ashfaq, Sarwar & Parvez, 1998: 51; Ashfaq & Sarwar, 1999b: 12; Ashfaq & Sher, 2002: 38; Haq & Afzal, 2007: 2206; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

***Acotyledon secutor* Ashfaq & Sarwar, 1999**

Acotyledon secutor Ashfaq & Sarwar, 1999b: 10.

Acotyledon secutor.—Haq & Afzal, 2007: 2206.

***Acotyledon solor* Ashfaq & Sarwar, 1999**

Acotyledon solor Ashfaq & Sarwar, 1999b: 10.

***Acotyledon stremma* Ashfaq, Chaudhri & Parvez, 1986**

Acotyledon stremma Ashfaq, Chaudhri & Parvez, 1986: 19.

Acotyledon stremma.—Ashfaq, Sher, Chaudhri & Aslam, 1987: 32; Ashfaq, Sher & Chaudhri, 1990: 182; Ashfaq, Sarwar & Aslam, 1998: 67; Ashfaq, Sarwar & Parvez, 1998: 51; Ashfaq & Sarwar, 1999b: 12; Ashfaq & Sher, 2002: 38; Haq & Afzal, 2007: 2206; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Acotyledon tariqi* Ashfaq, Chaudhri, Sher & Aslam, 1987

Acotyledon tariqi Ashfaq, Chaudhri, Sher & Aslam, 1987: 35.

Acotyledon tariqi.—Ashfaq, Sarwar & Aslam, 1998: 66; Ashfaq, Sarwar & Parvez, 1998: 51; Ashfaq & Sarwar, 1999b: 12; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Acotyledon tarqi.—Haq & Afzal, 2007: 2206 (incorrect spelling).

Acotyledon tariqii Ashfaq, Sher & Chaudhri, 1990: 185 (junior homonym and synonym).

***Acotyledon thosmos* Ashfaq, Chaudhri & Parvez, 1986**

Acotyledon thosmos Ashfaq, Chaudhri & Parvez, 1986: 10.

Acotyledon thosmos.—Ashfaq, Sher, Chaudhri & Aslam, 1987: 32; Ashfaq, Sher & Chaudhri, 1990: 182; Ashfaq, Sarwar & Aslam, 1998: 66; Ashfaq, Sarwar & Parvez, 1998: 51; Ashfaq & Sarwar, 1999b: 12; Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Acotyledon thosomos.—Ashfaq & Sher, 2002: 38 (incorrect spelling).

***Acotyledon thysia* Ashfaq & Sarwar, 1999**

Acotyledon thysia Ashfaq & Sarwar, 1999b: 5.

Acotyledon thysia.—Bashir, Afzal, Honey & Ashfaq, 2012: 746; Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

***Acotyledon wazirabadensis* Bashir, Afzal, Honey & Ashfaq, 2012**

Acotyledon wazirabadensis Bashir, Afzal, Honey & Ashfaq, 2012: 748.

Acotyledon wazirabadensis.—Honey, Sarwar, Bashir, Ali, Kamran & Afzal, 2014: 480; Sarwar, Bashir, Khan, Honey, Afzal & Ali, 2015: 724.

Forcellinia Oudemans, 1924*

Forcellinia Oudemans, 1924a: 231.

***Forcellinia asperum* Ashfaq & Chaudhri, 1984**

Forcellinia asperum Ashfaq & Chaudhri, 1984: 30.

Forcellinia asperum.—Sarwar, 2001: 33; Haq & Afzal, 2007: 2206.

***Forcellinia cortina* Ashfaq & Chaudhri, 1984**

Forcellinia cortina Ashfaq & Chaudhri, 1984: 27.

Forcellinia cortina.—Sarwar, 2001: 33.

***Forcellinia tumulus* Sarwar, 2001**

Forcellinia tumulus Sarwar, 2001: 34.

***Lackerbaueria Zachvatkin*, 1941**

Lackerbaueria Zachvatkin, 1941: 290.

***Lackerbaueria errans* Ashfaq & Sarwar, 1999**

Lackerbaueria errans Ashfaq & Sarwar, 1999a: 53.

***Lackerbaueria fatigo* Sarwar, 2000**

Lackerbaueria fatigo Sarwar, 2000: 374.

***Lackerbaueria lahoriensis* Ashfaq, Aheer, Chaudhri & Majid, 1988**

Lackerbaueria lahoriensis Ashfaq, Aheer, Chaudhri & Majid, 1988: 78.

Lackerbaueria lahoriensis.—Ashfaq & Sarwar, 1999a: 56; Sarwar, 2000: 374.

***Rhizoglyphus Claparède*, 1869**

Rhizoglyphus Claparède, 1869: 506.

***Rhizoglyphus iftikhari* Bashir, Honey, Ali, Kamran, Khan & Afzal, 2014**

Rhizoglyphus iftikhari Bashir, Honey, Ali, Kamran, Khan & Afzal, 2014: 349.

***Rhizoglyphus karachiensis* Anwarullah & Khan, 1970**

Rhizoglyphus karachiensis Anwarullah & Khan, 1970: 71.

***Rhizoglyphus solanumi* Irshad & Anwarullah, 1968**

Rhizoglyphus solanumi Irshad & Anwarullah, 1968: 155.

***Rhizoglyphus tritici* Bashir, Afzal, Honey & Khan, 2011**

Rhizoglyphus tritici Bashir, Afzal, Honey & Khan, 2011: 141.

Rhizoglyphus tritici.—Idrees, Qasim, Ali, Qadir, Idrees, Bashir & Qing, 2016: 611.

Sancassania Oudemans*, 1916

Sancassania Oudemans, 1916: 265.

Tyroglyphus (*Caloglyphus*) Berlese, 1923: 262.

***Sancassania agrios* (Sarwar, Ashfaq & Akbar, 2005)**

Caloglyphus agrios Sarwar, Ashfaq & Akbar, 2005: 346.

Caloglyphus agrios.—Sarwar, Ashfaq & Nadeem, 2009: 39; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 63; Sarwar & Ashfaq, 2012a: 18; Sarwar & Ashfaq, 2012b: 2; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania arbelos* (Sarwar & Ashfaq, 2010)**

Caloglyphus arbelos Sarwar & Ashfaq, 2010b: 62.

Caloglyphus arbelos.—Sarwar, Bashir, Khan & Khan, 2013: 102.

Caloglyphus arbelos Haq & Afzal, 2007: 2206 (*nomen nudum*).

***Sancassania aurangensis* (Sarwar, Bashir, Khan & Khan, 2013)**

Caloglyphus aurangensis Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania austerus* (Sarwar, Ashfaq & Nadeem, 2009)**

Caloglyphus austerus Sarwar, Ashfaq & Nadeem, 2009: 42.

Caloglyphus austerus.—Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2012a: 18; Sarwar & Ashfaq, 2010b: 64; Sarwar & Ashfaq, 2012b: 2.

Caloglyphus usterus.—Sarwar, Bashir, Khan & Khan, 2013: 102 (incorrect spelling).

***Sancassania bradys* (Sarwar, Ashfaq & Nadeem, 2009)**

Caloglyphus bradys Sarwar, Ashfaq & Nadeem, 2009: 40.

Caloglyphus bradys.—Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 65; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 3; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania captus* (Sarwar & Ashfaq, 2012)**

Caloglyphus captus Sarwar & Ashfaq, 2012a: 16.

Caloglyphus captus.—Sarwar & Ashfaq, 2012b: 2.

***Sancassania cingentis* (Sarwar & Ashfaq, 2004)**

Caloglyphus cingentis Sarwar & Ashfaq, 2004: 457.

Caloglyphus cingentis.—Sarwar, Ashfaq & Akbar, 2005: 349; Sarwar, Ashfaq & Nadeem, 2009: 40; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 65; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 3; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania clemens* (Sarwar & Ashfaq, 2004)**

Caloglyphus clemens Sarwar & Ashfaq, 2004: 456.

Caloglyphus clemens.—Sarwar, Ashfaq & Akbar, 2005: 349; Sarwar, Ashfaq & Nadeem, 2009: 40; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 65; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 3; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania faisalabadensis* (Sher, Ashfaq & Parvez, 1991)**

Caloglyphus faisalabadensis Sher, Ashfaq & Parvez, 1991: 28.

Caloglyphus faisalabadiensis.—Sarwar & Ashfaq, 2004: 456; Sarwar, Ashfaq & Akbar, 2005: 349; Sarwar & Ashfaq, 2012a: 16; Sarwar, Ashfaq & Nadeem, 2009: 40; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 63; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 3; Sarwar, Bashir, Khan & Khan, 2013: 102 (incorrect spelling).

***Sancassania hadros* (Sarwar, Ashfaq & Akbar, 2005)**

Caloglyphus hadros Sarwar, Ashfaq & Akbar, 2005: 347.

Caloglyphus hadros.—Sarwar & Ashfaq, 2012a: 17; Sarwar, Ashfaq & Nadeem, 2009: 39; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 63; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 2; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania merisma* (Ashfaq & Chaudhri, 1983)**

Caloglyphus merisma Ashfaq & Chaudhri, 1983: 64.

Caloglyphus merisma.—Sher, Ashfaq & Parvez, 1991: 33; Sarwar & Ashfaq, 2004: 456; Sarwar, Ashfaq & Akbar, 2005: 349; Haq & Afzal, 2007: 2206; Sarwar, Ashfaq & Nadeem, 2009: 39; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 64; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 2; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania morosus* (Ashfaq & Chaudhri, 1983)**

Caloglyphus morosus Ashfaq & Chaudhri, 1983: 73.

Caloglyphus morosus.—Sher, Ashfaq & Parvez, 1991: 33; Sarwar & Ashfaq, 2004: 456; Sarwar, Ashfaq & Akbar, 2005: 349; Sarwar, Ashfaq & Nadeem, 2009: 40; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 64; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 3; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania multaniensis* (Ashfaq & Chaudhri, 1983)**

Caloglyphus multaniensis Ashfaq & Chaudhri, 1983: 70.

Caloglyphus multaniensis.—Sher, Ashfaq & Parvez, 1991: 33; Sarwar & Ashfaq, 2004: 456; Sarwar, Ashfaq & Akbar, 2005: 349; Haq & Afzal, 2007: 2206; Sarwar, Ashfaq & Nadeem, 2009: 39; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 64; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 2; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania opacatus* (Ashfaq & Chaudhri, 1983)**

Caloglyphus opacatus Ashfaq & Chaudhri, 1983: 66.

Caloglyphus opacatus.—Sher, Ashfaq & Parvez, 1991: 33; Sarwar & Ashfaq, 2004: 456; Sarwar, Ashfaq & Akbar, 2005: 349; Sarwar, Ashfaq & Nadeem, 2009: 39; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 64; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 2; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania pejowaliensis* (Sarwar, Bashir, Khan & Khan, 2013)**

Caloglyphus pejowaliensis Sarwar, Bashir, Khan & Khan, 2013: 104.

***Sancassania taraxis* (Sarwar & Ashfaq, 2012)**

Sancassania taraxis Sarwar & Ashfaq, 2012b: 3.

***Sancassania trigonellum* (Sher, Ashfaq & Parvez, 1991)**

Caloglyphus trigonellum Sher, Ashfaq & Parvez, 1991: 30.

Caloglyphus trigonellum.—Sarwar & Ashfaq, 2004: 456; Sarwar, Ashfaq & Akbar, 2005: 349; Sarwar, Ashfaq & Nadeem, 2009: 39; Sarwar & Ashfaq, 2010a: 49; Sarwar & Ashfaq, 2010b: 64; Sarwar & Ashfaq, 2012a: 19; Sarwar & Ashfaq, 2012b: 2; Sarwar, Bashir, Khan & Khan, 2013: 102.

***Sancassania verto* (Sarwar & Ashfaq, 2010)**

Sancassania verto Sarwar & Ashfaq, 2010a: 46.

Caloglyphus verto.—Sarwar & Ashfaq, 2012b: 2; Sarwar, Bashir, Khan & Khan, 2013: 102.

Schwiebea Oudemans, 1916

Schwiebea Oudemans, 1916: 264.

Troupeauia Zakhvatkin, 1941: 298.

***Schwiebea podicis* (Ashfaq & Chaudhri, 1986)**

Troupeauia podicis Ashfaq & Chaudhri, 1986a: 54.

Tyroupeaula podicis.—Haq & Afzal, 2007: 2206 (incorrect spelling).

Tyrophagus Oudemans, 1924

Tyroglyphus (*Tyrophagus*) Oudemans, 1924b: 250.

***Tyrophagus bisetosis* Bashir, Honey, Ali, Kamran, Khan & Afzal, 2014**

Tyrophagus bisetosis Bashir, Honey, Ali, Kamran, Khan & Afzal, 2014: 348.

Tyrophagus fatimii* Wakil, Mustafa & Ghazanfar, 2009

Tyrophagus fatimii Wakil, Mustafa & Ghazanfar, 2009: 181.

***Tyrophagus putrescentiae* (Schrank, 1781)**

Acarus putrescentiae Schrank, 1781: 521.

Tyroglyphus putrescentiae.—Haq & Afzal, 2007: 2206 (incorrect spelling).

Tyrophagus putrescentiae.—Hughes, 1976: 51; Mullen & OConnor, 2009: 443.

Incompletely identified specimens in this family

Caloglyphus sp.—Sarwar, Ashfaq, Ahmad & Randhawa, 2013: 1.

Rhizoglyphus sp.—Anwarullah, Khan, Hasan & Husain, 1968: 294.

Rhyzoglyphidae.—Akbar & Hasan, 1990: 87 (incorrect spelling).

Tyroglyphidae.—Haq & Afzal, 2007: 2207.

Tyroglyphus sp.—Khattak, Ali, Jahangir, Khan, Rasul & Iqbal, 2012: 1241.

ATOPOMELIDAE Gunther, 1942

Atopomelinae Gunther, 1942: 109.

***Listrophoroides* Hirst, 1923**

Listrophoroides Hirst, 1923: 999.

***Listrophoroides decoratus* Fain & Hyland, 1980**

Listrophoroides decoratus Fain & Hyland, 1980: 236.

***Listrophoroides exilis* Fain & Hyland, 1980**

Listrophoroides exilis Fain & Hyland, 1980: 235.

***Listrophoroides pakistanicus* Fain & Hyland, 1980**

Listrophoroides pakistanicus Fain & Hyland, 1980: 233.

CARPOGLYPHIDAE Oudemans, 1923

Carpoglyphidae Oudemans, 1923b: 206.

***Carpoglyphus* Robin, 1869**

Carpoglyphus Robin, 1869: 197.

***Carpoglyphus afzali* Khan, 1967**

Carpoglyphus afzali Khan, 1967: 398.

EPIDERMLOPTIDAE Trouessart, 1892

Epidermopteae Trouessart, 1892: 50 (original spelling).

***Knemidokoptes* Fürstenberg, 1870**

Knemidokoptes Fürstenberg, 1870: 62.

***Knemidokoptes mutans* (Robin & Lanqentin, 1859)**

Sarcoptes mutans Robin & Lanqentin, 1859: 793.

Knemidokoptes mutans.—Fain & Elsen, 1967: 30; Mullen & OConnor, 2009: 465.

Knemidocoptes mutans.—Ashraf, Javid, Ashraf, Akram, Azmat, Irfan & Altaf, 2015: 184 (incorrect spelling).

GLYCYPHAGIDAE Berlese, 1897

Glycyphagina Berlese, 1897: 99 (original spelling).

***Dermacarus* Haller, 1880**

Dermacarus Haller, 1880: 268.

***Dermacarus ochotonae* Fain & Hyland, 1980**

Dermacarus ochotonae Fain & Hyland, 1980: 237.

***Lepidoglyphus* Zakhvatkin, 1936**

Lepidoglyphus Zakhvatkin, 1936: 264.

***Lepidoglyphus destructor* (Schrank, 1781)**

Acarus destructor Schrank, 1781: 512.

Glycyphagus destructor.—Anwarullah, 1976: 41.

Lepidoglyphus destructor.—Hughes, 1976: 150; Colloff, 2009: 285.

HISTIOSTOMATIDAE Berlese, 1897

Histiostomina Berlese, 1897: 99 (original spelling).

Anoetus* Dujardin, 1842

Anoetus Dujardin, 1842: 316.

***Anoetus gestatus* Ashfaq, Aslam, Chaudhri & Parvez, 1990**

Anoetus gestatus Ashfaq, Aslam, Chaudhri & Parvez, 1990: 32.

***Anoetus lunatus* Ashfaq, Aslam, Chaudhri & Parvez, 1990**

Anoetus lunatus Ashfaq, Aslam, Chaudhri & Parvez, 1990: 33.

***Copronomoia* Mahunka, 1976**

Copronomoia Mahunka, 1976: 321.

***Copronomoia asper* Ashfaq & Chaudhri, 1988**

Capronomoia asper Ashfaq & Chaudhri, 1988: 355 (incorrect spelling).

Copronomoia asper.—Ashfaq & Sarwar, 2001: 129.

***Copronomoia bellulus* Ashfaq & Chaudhri, 1988**

Capronomoia bellulus Ashfaq & Chaudhri, 1988: 352 (incorrect spelling).

Copronomoia bellulus.—Ashfaq & Sarwar, 2001: 129.

***Copronomoia gradatus* Ashfaq & Sarwar, 2001**

Copronomoia gradatus Ashfaq & Sarwar, 2001: 127.

Copronomoia pango* Ashfaq & Chaudhri, 1988

Capronomoia pango Ashfaq & Chaudhri, 1988: 350 (incorrect spelling).

Copronomoia pango.—Ashfaq & Sarwar, 2001: 127.

***Copronomoia trossis* Ashfaq & Sarwar, 2001**

Copronomoia trossis Ashfaq & Sarwar, 2001: 125.

***Glyphanoetus* Oudemans, 1929**

Glyphanoetus Oudemans, 1929: 450.

***Glyphanoetus incanus* Ashfaq, Sarwar & Akbar, 1999**

Glyphanoetus incanus Ashfaq, Sarwar & Akbar, 1999: 21.

***Glyphanoetus leptos* Ashfaq, Sarwar & Akbar, 1999**

Glyphanoetus leptos Ashfaq, Sarwar & Akbar, 1999: 23.

***Glyphanoetus micidus* Ashfaq & Chaudhri, 1986**

Glyphanoetus micidus Ashfaq & Chaudhri, 1986b: 212.

Glyphanoetus micidus.—Ashfaq, Sarwar & Akbar, 1999: 25.

Glyphanoetus micidus.—Haq & Afzal, 2007: 2206 (incorrect spelling).

***Histiostoma* Kramer, 1876**

Histiostoma Kramer, 1876: 105.

***Histiostoma ambesas* Sarwar & Ashfaq, 2002**

Histiostoma ambesas Sarwar & Ashfaq, 2002: 26.

Histiostoma ambesas.—Haq & Afzal, 2007: 2206 (incorrect spelling).

***Histiostoma caro* Ashfaq, Chaudhri & Aheer, 1985**

Histiostoma caro Ashfaq, Chaudhri & Aheer, 1985: 42.

Histiostoma caro.—Sarwar, Ashfaq & Aslam, 1998: 7; Ashfaq, Sarwar & Amjad, 2000: 34; Sarwar & Ashfaq, 2002: 26; Haq & Afzal, 2007: 2206.

***Histiostoma crantor* Ashfaq, Chaudhri & Aheer, 1985**

Histiostoma crantor Ashfaq, Chaudhri & Aheer, 1985: 22.

Histiostoma crantor.—Sarwar, Ashfaq & Aslam, 1998: 7; Ashfaq, Sarwar & Amjad, 2000: 34; Sarwar & Ashfaq, 2002: 26.

Histiostoma carntor.—Haq & Afzal, 2007: 2206 (incorrect spelling).

***Histiostoma densus* Ashfaq, Chaudhri & Aheer, 1985**

Histiostoma densus Ashfaq, Chaudhri & Aheer, 1985: 18.

Histiostoma densus.—Sarwar, Ashfaq & Aslam, 1998: 7; Ashfaq, Sarwar & Amjad, 2000: 33; Sarwar & Ashfaq, 2002: 26; Haq & Afzal, 2007: 2206.

***Histiostoma edax* Ashfaq, Chaudhri & Aheer, 1985**

Histiostoma edax Ashfaq, Chaudhri & Aheer, 1985: 33.

Histiostoma edax.—Sarwar, Ashfaq & Aslam, 1998: 7; Ashfaq, Sarwar & Amjad, 2000: 34; Sarwar & Ashfaq, 2002: 26.

***Histiostoma erugo* Ashfaq, Chaudhri & Aheer, 1985**

Histiostoma erugo Ashfaq, Chaudhri & Aheer, 1985: 27.

Histiostoma erugo.—Sarwar, Ashfaq & Aslam, 1998: 1; Ashfaq, Sarwar & Amjad, 2000: 33; Sarwar & Ashfaq, 2002: 26; Haq & Afzal, 2007: 2206.

Histiostoma enigo.—Sarwar, Ashfaq & Aslam, 1998: 7 (incorrect spelling).

***Histiostoma flaccus* Sarwar, Ashfaq & Aslam, 1998**

Histiostoma flaccus Sarwar, Ashfaq & Aslam, 1998: 2.

Histiostoma flaccus.—Sarwar & Ashfaq, 2002: 26.

***Histiostoma fortis* Ashfaq, Sarwar & Amjad, 2000**

Histiostoma fortis Ashfaq, Sarwar & Amjad, 2000: 37.

Histiostoma fortis.—Sarwar & Ashfaq, 2002: 26.

***Histiostoma fragosus* Ashfaq, Chaudhri & Aheer, 1985**

Histiostoma fragosus Ashfaq, Chaudhri & Aheer, 1985: 30.

Histiostoma fragosus.—Sarwar, Ashfaq & Aslam, 1998: 7; Ashfaq, Sarwar & Amjad, 2000: 33; Sarwar & Ashfaq, 2002: 26.

***Histiostoma galerus* Sarwar, Ashfaq & Aslam, 1998**

Histiostoma galerus Sarwar, Ashfaq & Aslam, 1998: 4.

Histiostoma galerus.—Sarwar & Ashfaq, 2002: 26.

***Histiostoma gracilis* Ashfaq, Sarwar & Amjad, 2000**

Histiostoma gracilis Ashfaq, Sarwar & Amjad, 2000: 34.

Histiostoma gracilis.—Sarwar & Ashfaq, 2002: 26.

***Histiostoma imbecillus* Ashfaq, Chaudhri & Aheer, 1985**

Histiostoma imbecillus Ashfaq, Chaudhri & Aheer, 1985: 39.

Histiostoma imbecillus.—Sarwar, Ashfaq & Aslam, 1998: 7; Ashfaq, Sarwar & Amjad, 2000: 34; Sarwar & Ashfaq, 2002: 26.

***Histiostoma junctus* Ashfaq, Chaudhri & Aheer, 1985**

Histiostoma junctus Ashfaq, Chaudhri & Aheer, 1985: 25.

Histiostoma junctus.—Sarwar, Ashfaq & Aslam, 1998: 7; Ashfaq, Sarwar & Amjad, 2000: 33; Sarwar & Ashfaq, 2002: 26.

***Histiostoma karachiensis* Khan & Anwarullah, 1969**

Histiostoma karachiensis Khan & Anwarullah, 1969: 207.

***Histiostoma luxus* Ashfaq, Chaudhri & Aheer, 1985**

Histiostoma luxus Ashfaq, Chaudhri & Aheer, 1985: 36.

Histiostoma luxus.—Sarwar, Ashfaq & Aslam, 1998: 7; Ashfaq, Sarwar & Amjad, 2000: 34; Sarwar & Ashfaq, 2002: 26; Haq & Afzal, 2007: 2206.

Incompletely identified specimens in this family

Capronomia sp.—Abbasi, Sultana & Wagan, 2014: 227 (incorrect spelling).

Glyphanoetus sp.—Abbasi, Sultana & Wagan, 2014: 227.

Histosoma sp.—Abbasi, Sultana & Wagan, 2014: 227 (incorrect spelling).

HYADESIIDAE Halbert, 1915

Hyadesidae Halbert, 1915: 108 (original spelling).

***Hyadesia* Mégnin, 1889**

Hyadesia Mégnin, 1889: 53.

***Hyadesia pakistanensis* Fain & Schuster, 1985**

Hyadesia pakistanensis Fain & Schuster, 1985: 73.

LISTROPHORIDAE Mégnin & Trouessart, 1884

Listrophorinae Mégnin & Trouessart, 1884: 92.

***Aeromychirus* Fain, 1976**

Aeromychirus Fain, 1976: 41.

***Aeromychirus fimbriatus* Bochkov & OConnor, 2005**

Aeromychirus fimbriatus Bochkov & OConnor, 2005: 166.

***Afrolistrophorus* Fain, 1970**

Afrolistrophorus Fain, 1970: 282.

***Afrolistrophorus musculus* (Wilson & Lawrence, 1967)**

Listrophorus musculus Wilson & Lawrence, 1967: 625.

Afrolistrophorus musculus.—Fain & Hyland, 1980: 230.

***Afrolistrophorus pakistanensis* Fain, 1976**

Afrolistrophorus pakistanensis Fain, 1976: 38.

Afrolistrophorus pakistanensis.—Fain & Hyland, 1980: 230.

***Spalacarus* Fain, 1980**

Spalacarus Fain, 1980: 186.

***Spalacarus mediolineatus* (Fain, 1976)**

Afrolistrophorus mediolineatus Fain, 1976: 37.

Spalacarus mediolineatus nesokia Fain & Hyland, 1980: 233.

Spalacarus mediolineatus nesokia.—Bochkov & OConnor, 2005: 167.

MYOCOPTIDAE Gunther, 1942

Myocoptinae Gunther, 1942: 109.

***Myocoptes* Claparède, 1869**

Myocoptes Claparède, 1869: 519.

***Myocoptes nesokia* Bochkov & OConnor, 2017**

Myocoptes nesokia Bochkov & OConnor, 2017: 47.

PSOROPTIDAE Canestrini, 1891

Psoroptidae Canestrini, 1891a: 704.

***Chorioptes* Gervais, 1859**

Chorioptes Gervais, in Gervais & Beneden, 1859: 463.

***Chorioptes bovis* (Hering, 1845)**

Sarcoptes bovis Hering, 1845: 110.

Chorioptes symbiotes ovis Railliet, 1895: 675.

Chorioptes bovis.—Fain & Leclerc, 1975: 178.

Chorioptic ovis.—Ahmad, Ahmad & Ali, 1993: 42 (incorrect spelling).

***Psoroptes* Gervais, 1841**

Psoroptes Gervais, 1841: 9.

***Psoroptes bovis* (Gerlach, 1857)**

Dermatodectes bovis Gerlach, 1857: 114.

Psoroptes bovis.—Iqbal, Khan, Kakar & Jabbar, 2004: 3; Mullen & OConnor, 2009: 475; Iqbal, Sajid, Khan & Muhammad, 2014: 445.

Psorcoptes bovis.—Ramzan, Khan, Avais, Khan, Pervez & Shahzad, 2008: 17 (incorrect spelling).

***Psoroptes natalensis* Hirst, 1919**

Psoroptes natalensis Hirst, 1919: 524.

Psoroptes natalensis.—Iqbal, Khan, Kakar & Jabbar, 2004: 3.

***Psoroptes ovis* (Viborg, 1813)**

Acarus ovis Viborg, 1813: 142.

Psoroptes ovis.—Khan, Riaz & Qudoos, 1998: 229; Iqbal, Khan, Kakar & Jabbar, 2004: 3; Tasawar, Rauf, Hayat & Lashari, 2007: 199; Mullen & OConnor, 2009: 474; OConnor & Klimov, 2015: 341.

Psoroptic ovis.—Ahmad, Ahmad & Ali, 1993: 42 (incorrect spelling).

Incompletely identified specimens in this family

Chorioptes sp.—Iqbal, Khan, Kakar & Jabbar, 2004: 5.

Psoroptes sp.—Yasin & Abdussalam, 1958: 487.

Psoroptes sp.—Iqbal, Khan, Kakar & Jabbar, 2004: 3, 5.

PYROGLYPHIDAE Cunliffe, 1958

Pyroglyphidae Cunliffe, 1958: 85.

***Dermatophagoides* Bogdanoff, 1864**

Dermatophagoides Bogdanoff, 1864: 343.

***Dermatophagoides farinae* Hughes, 1961**

Dermatophagoides farinae Hughes, 1961: 148.

Dermatophagoides farinae.—Hughes, 1976: 206; Mullen & OConnor, 2009: 451; Colloff, 2009: 281; Shafique, Klimov, Inam, Chaudhary & OConnor, 2014: 1.

***Dermatophagoides pteronyssinus* (Trouessart, 1897)**

Mealia pteronyssina Trouessart, 1897, in Berlese, 1897: 104.

Mealia pteronyssina.—Trouessart, 1898, in Berlese, 1898: 3.

Dermatophagoides pteronyssinus.—Delfinado-Baker & Baker, 1983: 1; Hughes, 1976: 211; Mullen & OConnor, 2009: 452; Colloff, 2009: 281; Shafique, Klimov, Inam, Chaudhary & OConnor, 2014: 1.

SARCOPTIDAE Murray, 1877

Sarcoptidae Murray, 1877: 291.

***Nycteridocoptes* Oudemans, 1898**

Nycteridocoptes Oudemans, 1898: 277.

***Nycteridoptes asiaticus* Fain, 1959**

Nycteridoptes asiaticus Fain, 1959: 349.

Nycteridoptes asiaticus.—Klompen, 1992: 50.

***Rousettocoptes* Klompen, 1992**

Rousettocoptes Klompen, 1992: 65.

***Rousettocoptes mammophilus* Klompen, 1992**

Rousettocoptes mammophilus Klompen, 1992: 65.

***Sarcoptes* Latreille, 1802**

Sarcoptes Latreille, 1802: 67.

***Sarcoptes scabiei* (Linnaeus, 1758)**

Acarus siro scabiei Linnaeus, 1758: 616.

Sarcoptes scabiei.—Fain, 1968: 24; Khan, Riaz & Qudoos, 1998: 229; Akhtar, Maan, Iqbal & Kapadia, 2007: 240; Mullen & OConnor, 2009: 447.

Sarcoptes scabiei.—Aftab, Khan, Pervez, Avias & Khan, 2005: 854; Iqbal, Sajid, Khan & Muhammad, 2014: 445 (incorrect spelling).

Sarcoptes scabiei bovis Cameron, 1924: 256.

Sarcoptes scabiei bovis.—Iqbal, Khan, Kakar & Jabbar, 2004: 3.

Sarcoptes scabiei cameli Mégnin, 1880: 167.

Sarcoptes scabiei cameli.—Maqbool, Athar & Shakoor, 1996: 32; Zahid, Maqbool, Anjum, Ashraf, Khan & Ahmad, 2015: 1259.

Sarcoptes canis Gerlach, 1857: 141.

Sarcoptes scabiei canis.—Fazal, Cheema, Maqbool & Manzoor, 2014: 587.

Sarcoptes scabiei ovis Mégnin, 1880: 168.

Sarcoptes scabiei ovis.—Aatish, Sindhu, Iqbal, Jabbar & Tasawar, 2007: 918.

Incompletely identified specimens in this family

Sarcoptes sp.—Yasin & Abdussalam, 1958: 487.

Sarcoptes sp.—Iqbal, Khan, Kakar & Jabbar, 2004: 5.

SUIDASIIDAE Hughes, 1948

Suidasinae Hughes, 1948a: 550 (original spelling).

***Suidasia* Oudemans, 1905**

Suidasia Oudemans, 1905: 209.

***Suidasia medanensis* Oudemans, 1924**

Suidasia medanensis Oudemans, 1924c: 320.

Suidasia medanensis.—Anwarullah, Khan, Hasan & Husain, 1968: 295; Khan & Anwarullah, 1970a: 46; Hughes, 1976: 131; Colloff, 2009: 285.

***Suidasia nesbitti* Hughes, 1948**

Suidasia nesbitti Hughes, 1948a: 543.

Suidasia nesbitti.—Anwarullah, 1976: 41; Hughes, 1976: 128; Colloff, 2009: 285.

CRYPTOSTIGMATA

ACHIPTERIIDAE Thor, 1929

Achipteriidae Thor, 1929: 184.

***Achipteria* Berlese, 1885**

Achipteria Berlese, 1885c: 127.

***Achipteria coleoptrata* (Linnaeus, 1758)**

Acarus coleoptratus Linnaeus, 1758: 616.

Achipteria coleoptrata.—Hammer, 1977: 58; Weigmann, 2006: 351; Subías, Shtanchaeva & Arillo, 2014: 152.

ASTEGISTIDAE Balogh, 1961

Astegistidae Balogh, 1961: 274.

***Cultroribula* Berlese, 1908**

Cultroribula Berlese, 1908: 9.

***Cultroribula bicultrata* (Berlese, 1905)**

Dameosoma bicultratum Berlese, 1905b: 236.

Cultroribula trifurcatus Jacot, 1939a: 197.

Cultroribula trifurcata rotundata Krivolutsky, 1962: 1894.

Cultroribula trifurcata rotundata.—Hammer, 1977: 26.

Cultroribula bicultrata.—Weigmann, 2006: 234; Subías, Shtanchaeva & Arillo, 2014: 261.

AUSTRACHIPTERIIDAE Luxton, 1985

Austrachipteriidae Luxton, 1985: 56.

Lamellobates* Hammer, 1958

Lamellobates Hammer, 1958: 100.

***Lamellobates molecula* (Berlese, 1916)**

Achipteria molecula Berlese, 1916c: 309.

Lamellobates molecula.—Subías, Shtanchaeva & Arillo, 2014: 385.

Lamellobates palustris Hammer, 1958: 100.

Lamellobates palustris.—Hammer, 1977: 57; Sanyal, 1992: 331.

BRACHYCHTHONIIDAE Thor, 1934

Brachychthoniidae Thor, 1934: 115.

***Brachychthonius* Berlese, 1910**

Brachychthonius Berlese, 1910a: 219.

***Brachychthonius berlesei* Willmann, 1928**

Brachychthonius berlesei Willmann, 1928a: 160.

Brachychthonius berlesei.—Hammer, 1977: 17; Subías, Shtanchaeva & Arillo, 2014: 19.

***Liochthonius* Hammen, 1959**

Liochthonius Hammen, 1959: 19.

***Liochthonius sellnicki* (Thor, 1930)**

Brachychthonius sellnicki Thor, 1930b: 58.

Liochthonius sellnicki.—Weigmann, 2006: 84; Subías, Shtanchaeva & Arillo, 2014: 21.

Brachychthonius scalaris Forsslund, 1942: 2.

Liochthonius scalaris.—Hammer, 1977: 17.

***Liochthonius simplex* (Forsslund, 1942)**

Brachychthonius simplex Forsslund, 1942: 7.

Liochthonius simplex.—Hammer, 1977: 17; Weigmann, 2006: 85; Subías, Shtanchaeva & Arillo, 2014: 21.

CARABODIDAE Koch, 1842

Carabodides Koch, 1842: 96 (original spelling).

***Carabodes* Koch, 1835**

Carabodes Koch, 1835c: 15.

***Carabodes manifera* Hammer, 1977**

Carabodes manifera Hammer, 1977: 30.

Carabodes manifera.—Subías, Shtanchaeva & Arillo, 2014: 135.

***Carabodes tenuis* Forsslund, 1953**

Carabodes tenuis Forsslund, 1953, in Sellnick & Forsslund, 1953: 373.

Carabodes tenuis.—Hammer, 1977: 30; Subías, Shtanchaeva & Arillo, 2014: 135.

CEPHEIDAE Berlese, 1896*

Cepheidae Berlese, 1896b: 95.

***Cepheus* Koch, 1835**

Cepheus Koch, 1835c: 11.

***Cepheus latus* Koch, 1835**

Cepheus latus Koch, 1835c: 11.

Cepheus latus.—Hammer, 1977: 22; Subías, Shtanchaeva & Arillo, 2014: 260.

CERATOZETIDAE Jacot, 1925

Ceratozetinae Jacot, 1925: 278.

***Ceratozetes* Berlese, 1908**

Ceratozetes Berlese, 1908: 4.

***Ceratozetes gracilis* (Michael, 1884)**

Oribata gracilis Michael, 1884: 225.

Ceratozetes gracilis.—Hammer, 1977: 51; Sanyal, 1992: 326; Weigmann, 2006: 383; Subías, Shtanchaeva & Arillo, 2014: 161.

***Ceratozetes parittractus* Hammer, 1977**

Ceratozetes parittractus Hammer, 1977: 51.

Ceratozetes parittractus.—Subías, Shtanchaeva & Arillo, 2014: 161.

***Ceratozetoides* Shaldybina, 1966**

Ceratozetoides Shaldybina, 1966: 226.

Ceratozetoides imperatoria* (Aoki, 1963)

Ceratozetes imperatorius Aoki, 1963: 221.

Ceratozetella imperatoria.—Hammer, 1977: 51; Bayartogtokh, 1999: 97; Subías, Shtanchaeva & Arillo, 2014: 520.

***Diapterobates* Grandjean, 1936**

Diapterobates Grandjean, 1936a: 79.

***Diapterobates altimontanus* Hammer, 1977**

Diapterobates altimontanus Hammer, 1977: 53.

Diapterobates altimontanus.—Subías, Shtanchaeva & Arillo, 2014: 170.

***Scutozetes* Hammer, 1952**

Scutozetes Hammer, 1952: 62.

Neolepidozetes Hammer, 1977: 57.

***Scutozetes lanceolatus* Hammer, 1952**

Scutozetes lanceolatus Hammer, 1952: 62.

Scutozetes lanceolatus.—Hammer, 1977: 57; Subías, Shtanchaeva & Arillo, 2014: 763.

***Scutozetes ovalis* (Hammer, 1977)**

Neolepidozetes ovalis Hammer, 1977: 57.

Scutozetes ovalis.—Subías, Shtanchaeva & Arillo, 2014: 155.

***Sphaerozetes* Berlese, 1885**

Sphaerozetes Berlese, 1885c: 128.

***Sphaerozetes shogranensis* Hammer, 1977**

Sphaerozetes shogranensis Hammer, 1977: 52.

Sphaerozetes shogranensis.—Subías, Shtanchaeva & Arillo, 2014: 165.

***Trichoribates* Berlese, 1910**

Sphaerozetes (*Trichoribates*) Berlese, 1910c: 385.

Trichoribates berlesei* (Jacot, 1929)

Sphaerozetes berlesei Jacot, 1929: 422.

Oribates setosus.—Berlese, 1887b: 4.

Trichoribates trimaculatus.—Hammer, 1977: 53.

Trichoribates berlesei.—Weigmann & Norton, 2009: 67; Subías, Shtanchaeva & Arillo, 2014: 165.

CHAMOBATIDAE Thor, 1937

Chamobatidae Thor, 1937: 299.

***Chamobates* Hull, 1916**

Chamobates Hull, 1916: 393.

***Chamobates cuspidatus* (Michael, 1884)**

Oribata cuspidata Michael, 1884: 260.

Chamobates cuspidatus.—Hammer, 1977: 50; Subías, Shtanchaeva & Arillo, 2014: 168.

CROTONIIDAE Thorell, 1876

Crotonides Thorell, 1876: 454 (original spelling).

Camisiinae Oudemans, 1900: 142.

***Camisia* von Heyden, 1826**

Camisia von Heyden, 1826: 612.

***Camisia horrida* (Hermann, 1804)**

Notaspis horridus Hermann, 1804: 90.

Camisia horrida.—Hammer, 1977: 18; Weigmann, 2006: 155; Subías, Shtanchaeva & Arillo, 2014: 339.

***Heminothrus* Berlese, 1913**

Nothrus (*Heminothrus*) Berlese, 1913a: 98.

***Heminothrus targionii* (Berlese, 1885)**

Nothrus targionii Berlese, 1885a: 8.

Heminothrus targionii.—Weigmann, 2006: 157; Subías, Shtanchaeva & Arillo, 2014: 458.

Heminothrus targioni.—Hammer, 1977: 18 (incorrect spelling).

***Platynothrus* Berlese, 1913**

Platynothrus Berlese, 1913a: 99.

***Platynothrus peltifer* (Koch, 1839)**

Nothrus peltifer Koch, 1839c: 9.

Platynothrus peltifer.—Hammer, 1977: 18; Weigmann, 2006: 158.

Heminothrus peltifer.—Subías, Shtanchaeva & Arillo, 2014: 459.

***Platynothrus thori* (Berlese, 1904)**

Angelia thori Berlese, 1904a: 275.

Nothrus thori.—Berlese, 1913a: 99.

Heminothrus thori.—Hammer, 1977: 18; Subías, Shtanchaeva & Arillo, 2014: 55.

Platynothrus thori.—Weigmann, 2006: 158.

DAMAEIDAE Berlese, 1896

Damoeidae Berlese, 1896b: 95 (original spelling).

***Belba* von Heyden, 1826**

Belba von Heyden, 1826: 611.

***Belba compta* (Kulczyński, 1902)**

Oribata comptus Kulczyński, 1902a: 92.

Belba compta.—Weigmann, 2006: 200; Subías, Shtanchaeva & Arillo, 2014: 65.

Belba verrucosa Bulanova-Zachvatkina, 1962: 213.

Belba verrucosa.—Hammer, 1977: 21.

***Belba corynopus* (Hermann, 1804)**

Notaspis corynopus Hermann, 1804: 89.

Belba corynopus.—Hammer, 1977: 21; Weigmann, 2006: 200; Subías, Shtanchaeva & Arillo, 2014: 65.

***Belba meridionalis* Bulanova-Zachvatkina, 1962**

Belba meridionalis Bulanova-Zachvatkina, 1962: 212.

Belba meridionalis.—Hammer, 1977: 21; Subías, Shtanchaeva & Arillo, 2014: 65.

***Belba rossica* Bulanova-Zachvatkina, 1962**

Belba rossica Bulanova-Zachvatkina, 1962: 215.

Belba rossica.—Hammer, 1977: 21; Weigmann, 2006: 200; Subías, Shtanchaeva & Arillo, 2014: 65.

***Damaeus Koch*, 1835**

Damaeus Koch, 1835c: 13.

***Damaeus crispatus* (Kulczyński, 1902)**

Oribata crispatus Kulczyński, 1902b: 21.

Hypodamaeus crispatus.—Hammer, 1977: 21.

Damaeus crispatus.—Weigmann, 2006: 185; Subías, Shtanchaeva & Arillo, 2014: 66.

***Damaeus gracilipes* (Kulczyński, 1902)**

Oribata gracilipes Kulczyński, 1902a: 90.

Hypodamaeus gracilipes.—Hammer, 1977: 20.

Damaeus gracilipes.—Weigmann, 2006: 185; Subías, Shtanchaeva & Arillo, 2014: 67.

***Damaeus riparius* (Nicolet, 1855)**

Damaeus riparius Nicolet, 1855: 474.

Hypodamaeus riparius.—Hammer, 1977: 20.

Damaeus riparius.—Weigmann, 2006: 185; Subías, Shtanchaeva & Arillo, 2014: 67.

***Epidamaeus* Bulanova-Zachvatkina, 1957**

Epidamaeus Bulanova-Zachvatkina, 1957: 548.

***Epidamaeus tatricus* (Kulczyński, 1902)**

Oribata tatricus Kulczyński, 1902a: 91.

Belba tatica.—Hammer, 1977: 21.

Epidamaeus tatricus.—Weigmann, 2006: 197.

Damaeus tatricus.—Subías, Shtanchaeva & Arillo, 2014: 69.

***Parabelbella* Bulanova-Zachvatkina, 1967**

Parabelbella Bulanova-Zachvatkina, 1967: 157.

Nododamaeus Hammer, 1977: 21.

***Parabelbella monticola* (Hammer, 1977)**

Nododamaeus monticola Hammer, 1977: 21.

Parabelbella monticola.—Subías, Shtanchaeva & Arillo, 2014: 72.

DAMAEOLIDAE Grandjean, 1965

Damaeolidae Grandjean, 1965a: 372.

Fosseremus Grandjean, 1954

Fosseremus Grandjean, 1954a: 339.

***Fosseremus laciniatus* (Berlese, 1905)**

Damaeosoma laciniatum Berlese, 1905b: 236.

Fosseremus laciniatus.—Hammer, 1977: 22; Weigmann, 2006: 217; Subías, Shtanchaeva & Arillo, 2014: 92.

EPILOHMANNIIDAE Oudemans, 1923

Epilohmanniidae Oudemans, 1923c: 79.

***Epilohmannia* Berlese, 1916**

Epilohmannia Berlese, 1916b: 176.

***Epilohmannia minuta* Berlese, 1920**

Epilohmannia minuta Berlese, 1920: 149.

Epilohmannia minuta.—Subías, Shtanchaeva & Arillo, 2014: 443.

Epilohmannia pallida pacifica Aoki, 1965: 312.

Epilohmannia pallida pacifica.—Sanyal, 1992: 263.

EREMAEIDAE Oudemans, 1900

Eremaeinae Oudemans, 1900: 141.

***Carinabella* Hammer, 1977**

Carinabella Hammer, 1977: 24.

***Carinabella pulchra* Hammer, 1977**

Carinabella pulchra Hammer, 1977: 24.

Carinabella pulchra.—Subías, Shtanchaeva & Arillo, 2014: 471.

***Eremaeus* Koch, 1835**

Eremaeus Koch, 1835c: 23.

***Eremaeus hepaticus* Koch, 1835**

Eremaeus hepaticus Koch, 1835c: 23.

Eremaeus hepaticus.—Hammer, 1977: 24; Weigmann, 2006: 219; Subías, Shtanchaeva & Arillo, 2014: 88.

***Eremaeus roissi* Piffel, 1965**

Eremaeus roissi Piffel, 1965: 363.

Eremaeus roissi.—Subías, Shtanchaeva & Arillo, 2014: 89.

***Proteremaeus* Piffel, 1965**

Proteremaeus Piffel, 1965: 368.

***Proteremaeus jonasi* Piffel, 1965**

Proteremaeus jonasi Piffel, 1965: 368.

Proteremaeus jonasi.—Behan-Pelletier & Ryabinin, 1991: 560; Subías, Shtanchaeva & Arillo, 2014: 97.

***Proteremaeus lawariensis* Hammer, 1977**

Proteremaeus lawariensis Hammer, 1977: 25.

Proteremaeus lawariensis.—Behan-Pelletier & Ryabinin, 1991: 564; Subías, Shtanchaeva & Arillo, 2014: 97.

EULOHMANNIIDAE Grandjean, 1931

Eulohmanniidae Grandjean, 1931: 144.

***Eulohmannia* Berlese, 1910**

Lohmannia (*Eulohmannia*) Berlese, 1910a: 223.

***Eulohmannia ribagai* Berlese, 1910**

Eulohmannia ribagai Berlese, 1910a: 223.

Eulohmannia ribagai.—Hammer, 1977: 18; Weigmann, 2006: 109; Subías, Shtanchaeva & Arillo, 2014: 241.

EUPHTHIRACARIDAE Jacot, 1930

Euphthiracarini Jacot, 1930: 214.

***Acrotritia* Jacot, 1923**

Acrotritia Jacot, 1923: 162.

***Acrotritia ardua* (Koch, 1841)**

Hoplophora ardua Koch, 1841b: 15.

Rhysotritia ardua.—Hammer, 1977: 13; Sanyal, 1992: 248; Weigmann, 2006: 133.

Acrotritia ardua.—Subías, Shtanchaeva & Arillo, 2014: 663.

***Euphthiracarus* Ewing, 1917**

Euphthiracarus Ewing, 1917b: 125.

***Euphthiracarus pakistanensis* Hammer, 1977**

Euphthiracarus pakistanensis Hammer, 1977: 14.

Euphthiracarus pakistanensis.—Subías, Shtanchaeva & Arillo, 2014: 447.

***Euphthiracarus shogranensis* Hammer, 1977**

Euphthiracarus shogranensis Hammer, 1977: 13.

Euphthiracarus shogranensis.—Subías, Shtanchaeva & Arillo, 2014: 447.

***Mesotritia* Forsslund & Märkel, 1963**

Mesotritia Forsslund & Märkel, 1963: 284.

***Mesotritia dissimilis* Hammer, 1977**

Mesotritia dissimilis Hammer, 1977: 16.

Mesotritia dissimilis.—Subías, Shtanchaeva & Arillo, 2014: 36.

***Mesotritia nitida* Hammer, 1977**

Mesotritia nitida Hammer, 1977: 15.

Mesotritia nitida.—Subías, Shtanchaeva & Arillo, 2014: 36.

***Oribotritia* Jacot, 1924**

Oribotritia Jacot, 1924: 83.

***Oribotritia asiatica* Hammer, 1977**

Oribotritia asiatica Hammer, 1977: 15.

Oribotritia asiatica.—Subías, Shtanchaeva & Arillo, 2014: 36.

GALUMNIDAE Jacot, 1925

Galumninae Jacot, 1925: 277.

***Acrogalumna* Grandjean, 1956**

Acrogalumna Grandjean, 1956: 135.

***Acrogalumna shogranensis* Hammer, 1977**

?*Acrogalumna shogranensis* Hammer, 1977: 58.

Acrogalumna shogranensis.—Subías, Shtanchaeva & Arillo, 2014: 196.

***Galumna* von Heyden, 1826**

Galumna von Heyden, 1826: 612.

***Galumna monticola* Hammer, 1977**

Galumna monticola Hammer, 1977: 59.

Galumna monticola.—Subías, Shtanchaeva & Arillo, 2014: 199.

Galumna obvia* (Berlese, 1914)

Oribates obvius Berlese, 1914: 119.

Galumna longior Willmann, 1928a: 155.

?*Pergalumna* ?*longior*.—Hammer, 1977: 60.

Galumna obvia.—Weigmann, 2006: 373.

Pergalumna obvia.—Subías, Shtanchaeva & Arillo, 2014: 199.

***Pergalumna Grandjean*, 1936**

Galumna (*Pergalumna*) *Grandjean*, 1936a: 106.

***Pergalumna dorsalis* (Koch, 1835)**

Zetes dorsalis Koch, 1835b: 14.

Zetes dorsalis.—Hammer, 1977: 58.

Pergalumna dorsalis.—Weigmann, 2006: 375.

Galumna dorsalis.—Subías, Shtanchaeva & Arillo, 2014: 198.

***Pergalumna myrmophila* (Berlese, 1914)**

Oribates longiplumus myrmophilus Berlese, 1914: 123.

Pergalumna myrmophila.—Subías, Shtanchaeva & Arillo, 2014: 413.

***Pilogalumna Grandjean*, 1956**

Pilogalumna *Grandjean*, 1956: 135.

***Pilogalumna tenuiclava* (Berlese, 1908)**

Oribates tenuiclavus Berlese, 1908: 7.

Pilogalumna tenuiclava.—Hammer, 1977: 58; Weigmann, 2006: 378; Subías, Shtanchaeva & Arillo, 2014: 202.

***Trichogalumna Balogh*, 1960**

Trichogalumna *Balogh*, 1960: 26.

***Trichogalumna chitralensis* Hammer, 1977**

Trichogalumna chitralensis Hammer, 1977: 61.

Trichogalumna chitralensis.—Subías, Shtanchaeva & Arillo, 2014: 202.

GUSTAVIIDAE Oudemans, 1900

Gustaviinae Oudemans, 1900: 141.

***Gustavia* Kramer, 1879**

Gustavia *Kramer*, 1879b: 16.

***Gustavia latolamellata* Hammer, 1977**

Gustavia latolamellata Hammer, 1977: 28.

Gustavia latolamellata.—Subías, Shtanchaeva & Arillo, 2014: 79.

GYMNODAMAEIDAE Grandjean, 1954

Gymnodamaeidae Grandjean, 1954b: 434.

***Arthrodamaeus* Grandjean, 1954**

Arthrodamaeus Grandjean, 1954c: 205.

***Arthrodamaeus femoratus* (Koch, 1839)**

Damaeus femoratus Koch, 1839d: 7.

Gymnodamaeus femoratus.—Hammer, 1977: 20.

Arthrodamaeus femoratus.—Weigmann, 2006: 176; Subías, Shtanchaeva & Arillo, 2014: 63.

HAPLOZETIDAE Grandjean, 1936

Haplozetidae Grandjean, 1936b: 247.

***Peloribates* Berlese, 1908**

Peloribates Berlese, 1908: 3.

***Peloribates pakistanensis* Hammer, 1977**

Peloribates pakistanensis Hammer, 1977: 48.

Peloribates pakistanensis.—Subías, Shtanchaeva & Arillo, 2014: 194.

***Protoribates* Berlese, 1908**

Protoribates Berlese, 1908: 1.

***Protoribates capucinus* Berlese, 1908**

Protoribates capucinus Berlese, 1908: 2.

Xylobates capucinus.—Hammer, 1977: 48.

Protoribates capucinus.—Weigmann, 2006: 417; Subías, Shtanchaeva & Arillo, 2014: 303.

HERMANNIIDAE Sellnick, 1928

Hermanniidae Sellnick, 1928: 18.

***Hermannia* Nicolet, 1855**

Hermannia Nicolet, 1855: 468.

***Hermannia gibba* (Koch, 1839)**

Nothrus gibbus Koch, 1839c: 4.

Hermannia gibba.—Hammer, 1977: 19; Weigmann, 2006: 165; Subías, Shtanchaeva & Arillo, 2014: 57.

HYPOCHTHONIIDAE Berlese, 1910

Hypoctonidae Berlese, 1910a: 218 (original spelling).

***Hypochothonius* Koch, 1835**

Hypochothonius Koch, 1835c: 19.

***Hypochothonius rufulus* Koch, 1835**

Hypochothonius rufulus Koch, 1835c: 19.

Hypochothonius rufulus.—Hammer, 1977: 17; Subías, Shtanchaeva & Arillo, 2014: 238.

LIACARIDAE Sellnick, 1928

Liacaridae Sellnick, 1928: 29.

***Birsteinus* Krivolutsky, 1965**

Birsteinus Krivolutsky, 1965: 118.

***Birsteinus perlongoides* Hammer, 1977**

Birnsteinus perlongoides Hammer, 1977: 26 (incorrect spelling).
Birsteinus perlongoides.—Subías, Shtanchaeva & Arillo, 2014: 80.

***Liacarus Michael*, 1898**

Liacarus Michael, 1898: 40.

***Liacarus coracinus* (Koch, 1841)**

Oribates coracinus Koch, 1841a: 1.
Liacarus coracinus.—Hammer, 1977: 26; Weigmann, 2006: 239; Subías, Shtanchaeva & Arillo, 2014: 347.

***Xenillus Robineau-Desvoidy*, 1839**

Xenillus Robineau-Desvoidy, 1839: 461.

***Xenillus tegeocranus* (Hermann, 1804)**

Notaspis tegeocranus Hermann, 1804: 93.
Xenillus tegeocranus.—Hammer, 1977: 28; Subías, Shtanchaeva & Arillo, 2014: 470.

LOHMANNIIDAE Berlese, 1916

Lohmannini Berlese, 1916b: 176.

***Mixacarus Balogh*, 1958**

Mixacarus Balogh, 1958: 4.
Hamacarus Hammer, 1977: 17.

***Mixacarus lawariensis* (Hammer, 1977)**

Hamacarus lawariensis Hammer, 1977: 17.
Mixacarus lawariensis.—Subías, Shtanchaeva & Arillo, 2014: 30.

MALACONOTHRIDAE Berlese, 1916

Malaconothridae Berlese, 1916b: 175.

***Malaconothrus* Berlese, 1904**

Lohomannia (Malaconothrus) Berlese, 1904b: 24.

***Malaconothrus monodactylus* (Michael, 1888)**

Nothrus monodactylus Michael, 1888: 528.
Malaconothrus monodactylus.—Subías, Shtanchaeva & Arillo, 2014: 50.
Malaconothrus mollisetosus Hammer, 1952: 22.
Malaconothrus mollisetosus.—Hammer, 1977: 19.

***Tyrphonotheus Knülle*, 1957**

Trimalaconothrus (Tyrphonotheus) Knülle, 1957: 160.

***Tyrphonotheus foveolatus* (Willmann, 1931)**

Trimalaconothrus foveolatus Willmann, 1931: 106.
Trimalaconothrus foveolatus.—Hammer, 1977: 19; Subías, Shtanchaeva & Arillo, 2014: 51.
Tyrphonotheus foveolatus.—Colloff & Cameron, 2013: 346.

***Tyrphonotheus glaber* (Michael, 1888)**

Nothrus glaber Michael, 1888: 524.
Trimalaconothrus glaber.—Hammer, 1977: 19.
Tyrphonotheus glaber.—Subías, Shtanchaeva & Arillo, 2014: 51.

***Tyrphonothrus maior* (Berlese, 1910)**

Malacothonrus maior Berlese, 1910a: 223.

Malacothonrus novus Sellnick, 1921: 76.

Trimalacothonrus novus.—Hammer, 1977: 19.

Tyrphonothrus maior.—Colloff & Cameron, 2013: 305; Subías, Shtankaeva & Arillo, 2014: 51; Weigmann, 2006: 143.

***Tyrphonothrus ramensis* (Hammer, 1966)**

Malacothonrus ramensis Hammer, 1966: 272.

Malacothonrus ramensis.—Hammer, 1977: 19.

Tyrphonothrus ramensis.—Subías, Shtankaeva & Arillo, 2014: 52.

NANHERMANIIDAE Sellnick, 1928

Nanhermaniidae Sellnick, 1928: 17.

***Nanhermannia* Berlese, 1913**

Nanhermannia Berlese, 1913a: 100.

***Nanhermannia nana* (Nicolet, 1855)**

Nothrus nanus Nicolet, 1855: 458.

Nanhermannia nana.—Hammer, 1977: 19; Weigmann, 2006: 162; Subías, Shtankaeva & Arillo, 2014: 57.

NEOLIODIDAE Sellnick, 1928

Neoliodidae Sellnick, 1928: 24.

***Neoliodes* Berlese, 1888**

Liodes von Heyden, 1826: 611 (junior homonym).

Neoliodes Berlese, 1888: 217 (replacement name).

***Neoliodes silvestris* (Hammer, 1977)**

Liodes silvestris Hammer, 1977: 19.

Liodes silvestris.—Subías, Shtankaeva & Arillo, 2014: 60.

NOTHRIDAE Berlese, 1896

Nothridae Berlese, 1896b: 95.

***Nothrus* Koch, 1835**

Nothrus Koch, 1835b: 17.

Nothrus anauniensis* Canestrini & Fanzago, 1876

Nothrus anauniensis Canestrini & Fanzago, 1876a: 99.

Nothrus anauniensis.—Grandjean, 1965b: 109; Weigmann, 2006: 151; Subías, Shtankaeva & Arillo, 2014: 250.

Nothrus biciliatus.—Hammer, 1977: 18.

***Nothrus palustris* Koch, 1839**

Nothrus palustris Koch, 1839c: 13.

Nothrus palustris.—Hammer, 1977: 18; Weigmann, 2006: 151; Subías, Shtankaeva & Arillo, 2014: 250.

OPPIIDAE Sellnick, 1937

Oppiidae Sellnick, 1937: 79.

***Arcoppia* Hammer, 1977**

Arcoppia Hammer, 1977: 32.

***Arcoppia brachyramosa* Hammer, 1977**

Arcoppia brachyramosa Hammer, 1977: 33.

Arcoppia brachyramosa.—Subías, Shtankaeva & Arillo, 2014: 482.

***Hammerella* Balogh, 1983**

Hammerella Balogh, 1983: 35.

***Hammerella gracilis* (Hammer, 1977)**

Brachioppiella gracilis Hammer, 1977: 36.

Hammerella gracilis.—Balogh, 1983: 35; Subías, Shtankaeva & Arillo, 2014: 488.

***Micropopia* Balogh, 1983**

Micropopia Balogh, 1983: 25.

***Micropopia minus* (Paoli, 1908)**

Damaeosoma minus Paoli, 1908: 37.

Micropopia minus.—Balogh, 1983: 25; Weigmann, 2006: 272; Subías, Shtankaeva & Arillo, 2014: 611.

Oppia minutissima Sellnick, 1950: 275.

Oppia minutissima.—Hammer, 1977: 32.

***Multioppia* Hammer, 1961**

Multioppia Hammer, 1961: 61.

***Multioppia pakistanensis* Hammer, 1977**

Multioppia pakistanensis Hammer, 1977: 35.

Multioppia pakistanensis.—Subías, Shtankaeva & Arillo, 2014: 104.

***Neoamerioppia* Subías, 1989**

Neoamerioppia Subías, 1989, in Subías & Balogh, 1989: 364.

***Neoamerioppia asiatica* (Hammer, 1977)**

Amerioppia asiatica Hammer, 1977: 34.

Neoamerioppia asiatica.—Subías, Shtankaeva & Arillo, 2014: 478.

***Oppiella* Jacot, 1937**

Oppiella Jacot, 1937a: 356.

***Oppiella nova* (Oudemans, 1902)**

Eremaeus novus Oudemans, 1902c: 36.

Oppiella nova.—Hammer, 1977: 32; Sanyal, 1992: 302; Weigmann, 2006: 283; Subías, Shtankaeva & Arillo, 2014: 274.

***Oxyoppia* Balogh & Mahunka, 1969**

Oxyoppia Balogh & Mahunka, 1969: 269.

***Oxyoppia cristata* Hammer, 1977**

Oxyoppia cristata Hammer, 1977: 34.

Oxyoppia cristata.—Subías, Shtankaeva & Arillo, 2014: 119.

***Ramusella* Hammer, 1962**

Ramusella Hammer, 1962: 50.

***Ramusella elmela* Subías & Rodríguez, 1986**

Ramusella elmela Subías & Rodríguez, 1986: 84.

Oppia sp.—Hammer, 1977: 37.
Ramusella elmela.—Subías, Shtankaeva & Arillo, 2014: 106.

***Ramusella tasetata* Subías, 1980**

Ramusella tasetata Subías, 1980: 293.
Ramusella tasetata.—Subías, Shtankaeva & Arillo, 2014: 106.
Ramusella puertomonttensis.—Hammer, 1977: 35 (misidentification).

***Subiasella maculata* (Hammer, 1952)**

Oppia maculata Hammer, 1952: 35.
Subiasella maculata.—Subías, Shtankaeva & Arillo, 2014: 120.
? *Oppia ventronodosa* Hammer, 1962: 36.
Oppia ventronodosa.—Hammer, 1977: 32.

ORIBATELLIDAE Jacot, 1925

Oribatellinae Jacot, 1925: 278.

***Oribatella* Banks, 1895**

Oribatella Banks, 1895: 8.

***Oribatella microfoveolata* Hammer, 1977**

Oribatella microfoveolata Hammer, 1977: 56.
Oribatella microfoveolata.—Subías, Shtankaeva & Arillo, 2014: 157.

***Oribatella superbula* (Berlese, 1904)**

Oribates superbulus Berlese, 1904b: 29.
Oribatella superbula.—Weigmann, 2006: 366; Subías, Shtankaeva & Arillo, 2014: 158.
Oribatella meridionalis Berlese, 1908: 5.
Oribatella meridionalis.—Hammer, 1977: 56; Sanyal, 1992: 332.*

ORIBATULIDAE Thor, 1929

Oribatulidae Thor, 1929: 184.

***Oribatula* Berlese, 1895**

Oribatula Berlese, 1895: 5.

***Oribatula arcuata* (Hammer, 1977)**

Zygoribatula arcuata Hammer, 1977: 46.
Oribatula arcuata.—Subías, Shtankaeva & Arillo, 2014: 178.

***Oribatula tenuiseta* (Hammer, 1977)**

Zygoribatula tenuiseta Hammer, 1977: 46.
Oribatula tenuiseta.—Subías, Shtankaeva & Arillo, 2014: 180.

***Oribatula tortilis* (Hammer, 1977)**

Zygoribatula tortilis Hammer, 1977: 47.
Zygoribatula tortilis.—Sanyal, 1992: 319.
Oribatula tortilis.—Subías, Shtankaeva & Arillo, 2014: 180.

PARAKALUMMIDAE Grandjean, 1936

Parakalummidae Grandjean, 1936a: 107.

***Neoribates* Berlese, 1914**

Oribates (*Neoribates*) Berlese, 1914: 127.

***Neoribates aurantiacus* (Oudemans, 1914)**

Galumna aurantiaca Oudemans, 1914: 36.

Neoribates aurantiacus.—Hammer, 1977: 58; Weigmann, 2006: 418; Subías, Shtankaeva & Arillo, 2014: 195.

PELOPPIIDAE Balogh, 1943

Pelopidae Balogh, 1943a: 97 (original spelling).

***Ceratoppia* Berlese, 1908**

Ceratoppia Berlese, 1908: 7.

***Ceratoppia bipilis* (Hermann, 1804)**

Notaspis bipilis Hermann, 1804: 95.

Ceratoppia bipilis.—Hammer, 1977: 28; Sanyal, 1992: 287; Weigmann, 2006: 244; Subías, Shtankaeva & Arillo, 2014: 261.*

***Ceratoppiella* Hammer, 1977**

Ceratoppiella Hammer, 1977: 29.

***Ceratoppiella lutea* Hammer, 1977**

Ceratoppiella lutea Hammer, 1977: 29.

Ceratoppiella lutea.—Subías, Shtankaeva & Arillo, 2014: 79.

PHENOPELOPIDAE Petrunkevich, 1955

Phenopelopidae Petrunkevich, 1955: 99.

***Eupelops* Ewing, 1917**

Eupelops Ewing, 1917b: 119.

***Eupelops major* (Hull, 1914)**

Pelops major Hull, 1914: 215.

Eupelops major.—Subías, Shtankaeva & Arillo, 2014: 146.

Pelops hirtus Berlese, 1916a: 51.

Eupelops hirtus.—Hammer, 1977: 55; Weigmann, 2006: 345.

***Eupelops occultus* (Koch, 1835)**

Pelops occultus Koch, 1835b: 15.

Eupelops occultus.—Hammer, 1977: 55; Weigmann, 2006: 345; Subías, Shtankaeva & Arillo, 2014: 147.

***Eupelops sulcatus* (Oudemans, 1914)**

Pelops sulcatus Oudemans, 1914: 43.

Eupelops sulcatus.—Subías, Shtankaeva & Arillo, 2014: 147.

Pelops bilobus Sellnick, 1928: 5.

Eupelops bilobus.—Hammer, 1977: 55.

***Peloptulus* Berlese, 1908**

Pelops (*Peloptulus*) Berlese, 1908: 7.

***Peloptulus phaeonotus* (Koch, 1844)**

Pelops phaeonotus Koch, 1844c: 23.

Peloptulus phaeonotus.—Hammer, 1977: 56; Weigmann, 2006: 349; Subías, Shtankaeva & Arillo, 2014: 148 (incorrect spelling).

PHTHIRACARIDAE Perty, 1841

Phthiracarea Perty, 1841: 874 (original spelling).

***Atropacarus* Ewing, 1917**

Atropacarus Ewing, 1917b: 125.

***Atropacarus striculus* (Koch, 1835)**

Hoplophora stricula Koch, 1835b: 10.

Steganacarus striculus.—Hammer, 1977: 11; Weigmann, 2006: 129.

Atropacarus setosus.—Subías, Shtanchaeva & Arillo, 2014: 245.

***Hoplophthiracarus* Jacot, 1933**

Hoplophthiracarus Jacot, 1933: 239.

***Hoplophthiracarus pakistanensis* (Hammer, 1977)**

Hoplophorella pakistanensis Hammer, 1977: 12.

Hoplophthiracarus pakistanensis.—Sanyal, 1992: 246; Subías, Shtanchaeva & Arillo, 2014: 450.

***Phthiracarus* Perty, 1839**

Phthiracarus Perty, 1839: 847.

***Phthiracarus borealis* (Trägårdh, 1910)**

Hoploderma boreale Trägårdh, 1910: 547.

Phthiracarus borealis.—Hammer, 1977: 11; Subías, Shtanchaeva & Arillo, 2014: 247.

***Phthiracarus boresetosus* Jacot, 1930**

Phthiracarus boresetosum Jacot, 1930: 228.

Phthiracarus boresetosus.—Weigmann, 2006: 121; Subías, Shtanchaeva & Arillo, 2014: 246.

Phthiracarus tenuis Hammer, 1977: 11.

Phthiracarus piger* (Scopoli, 1763)

Acarus piger Scopoli, 1763: 392.

Phthiracarus piger.—Hammer, 1977: 11; Subías, Shtanchaeva & Arillo, 2014: 247.

Hoplophora laevigata Koch, 1844b: 16.

Phthiracarus laevigatus.—Weigmann, 2006: 122.

***Phthiracarus setosus* (Banks, 1895)**

Hoplophora setosa Banks, 1895: 16.

Phthiracarus setosum.—Jacot, 1930: 226.

Phthiracarus setosus.—Subías, Shtanchaeva & Arillo, 2014: 248.

Phthiracarus falcatus Hammer, 1977: 12.

PLATYAMERIDAE Balogh & Balogh, 1983

Platyameridae Balogh & Balogh, 1983: 299.

***Gymnodampia* Jacot, 1937**

Gymnodampia Jacot, 1937b: 242.

Cristamerus Hammer, 1977: 22.

***Gymnodampia spinosus* (Hammer, 1977)**

Cristamerus spinosus Hammer, 1977: 23.

Gymnodampia spinosa.—Chen, Behan-Pelletier, Wang & Norton, 2004: 250; Subías, Shtanchaeva & Arillo, 2014: 95.

PUNCTORIBATIDAE Thor, 1937

Punctoribatidae Thor, 1937: 301.

***Paralamellobates* Bhaduri & Raychaudhuri, 1968**

Lamellobates (*Paralamellobates*) Bhaduri & Raychaudhuri, 1968: 197.

***Paralamellobates misella* (Berlese, 1910)**

Oribatella misella Berlese, 1910b: 263.

Oribatella schoutedeni Balogh, 1959: 106.

Oribatella schoutedeni.—Hammer, 1977: 56.

Lamellobates misella.—Subías, Shtanchaeva & Arillo, 2014: 385.

Paralamellobates misella.—Behan-Pelletier, Li & Fan, 2016: 145.

***Punctoribates* Berlese, 1908**

Punctoribates Berlese, 1908: 6.

***Punctoribates hexagonus* Berlese, 1908**

Punctoribates hexagonus Berlese, 1908: 6.

Punctoribates hexagonus.—Hammer, 1977: 54; Weigmann, 2006: 409; Subías, Shtanchaeva & Arillo, 2014: 174.

Punctoribates punctum* (Koch, 1839)

Oribates punctum Koch, 1839d: 22.

Oribates punctum.—Berlese, 1886a: 2.

Punctoribates punctum.—Hammer, 1977: 54; Weigmann, 2006: 410; Subías, Shtanchaeva & Arillo, 2014: 296.

***Zachvatkinibates* Shaldybina, 1973**

Zachvatkinibates Shaldybina, 1973: 694.

***Zachvatkinibates lobatus* (Hammer, 1977)**

Eupunctoribates lobatus Hammer, 1977: 55.

Zachvatkinibates lobatus.—Subías, Shtanchaeva & Arillo, 2014: 174.

QUADROPPIIDAE Balogh, 1983

Quadropiinae Balogh, 1983: 21.

***Quadroppia* Jacot, 1939**

Quadroppia Jacot, 1939b: 323.

***Quadroppia quadricarinata* (Michael, 1885)**

Notaspis quadricarinata Michael, 1885: 393.

Quadroppia quadricarinata.—Hammer, 1977: 32; Balogh, 1983: 22; Subías, Shtanchaeva & Arillo, 2014: 366.

SCHELORIBATIDAE Grandjean, 1933

Schelorbitidae Grandjean, 1933: 60.

***Liebstadia* Oudemans, 1906**

Liebstadia Oudemans, 1906a: 101.

***Liebstadia saifulmalukensis* (Hammer, 1977)**

Gerlobia saifulmalukensis Hammer, 1977: 44.

Liebstadia saifulmalukensis.—Subías, Shtanchaeva & Arillo, 2014: 185.

***Nannerlia* Coetzer, 1968**

Nannerlia Coetzer, 1968: 46.

***Nannerlia bombretensis* Hammer, 1977**

Nannerlia bombretensis Hammer, 1977: 43.

Nannerlia bombretensis.—Subías, Shtanchaeva & Arillo, 2014: 186.

***Scheloribates* Berlese, 1908**

Protoribates (*Scheloribates*) Berlese, 1908: 2.

***Scheloribates fimbriatus* Thor, 1930**

Scheloribates fimbriatus Thor, 1930c: 196.

Scheloribates fimbriatus.—Hammer, 1977: 49; Subías, Shtanchaeva & Arillo, 2014: 401.

***Scheloribates laevigatus* (Koch, 1835)**

Zetes laevigatus Koch, 1835c: 8.

Scheloribates laevigatus.—Hammer, 1977: 49; Subías, Shtanchaeva & Arillo, 2014: 402.

***Scheloribates latipes* (Koch, 1844)**

Zetes latipes Koch, 1844b: 14.

Scheloribates latipes.—Hammer, 1977: 49.

Scheloribates pallidulus latipes.—Subías, Shtanchaeva & Arillo, 2014: 402.

***Scheloribates pallidulus* (Koch, 1841)**

Scheloribates pallidulus Koch, 1841: 9.

Scheloribates pallidulus.—Hammer, 1977: 49.

Scheloribates pallidulus pallidulus.—Subías, Shtanchaeva & Arillo, 2014: 402.

***Scheloribates praelineatus* Hammer, 1977**

?*Scheloribates praelineatus* Hammer, 1977: 50.

Scheloribates praelineatus.—Subías, Shtanchaeva & Arillo, 2014: 534.

***Scheloribates rostridentatus* Hammer, 1977**

Scheloribates rostridentatus Hammer, 1977: 49.

Scheloribates rostridentatus.—Subías, Shtanchaeva & Arillo, 2014: 188.

SCUTOVERTICIDAE Grandjean, 1954

Scutoverticidae Grandjean, 1954b: 438 (original spelling).

***Hypovortex* Krivolutsky, 1969**

Scutovertex (*Hypovortex*) Krivolutsky, 1969, in Zlotin & Krivolutsky, 1969: 266.

***Hypovortex arcualis* Hammer, 1977**

Hypovortex arcualis Hammer, 1977: 31.

Hypovortex arcualis.—Subías, Shtanchaeva & Arillo, 2014: 513.

***Scutovertex* Michael, 1879**

Scutovertex Michael, 1879: 241.

***Scutovertex minutus* (Koch, 1835)**

Cepheus minutus Koch, 1835c: 12.

Scutovertex minutus.—Hammer, 1977: 31; Subías, Shtanchaeva & Arillo, 2014: 144.

SUCTOBELBIDAE Jacot, 1938

Suctobelbini Jacot, 1938: 651.

***Novosuctobelba* Hammer, 1977**

Novosuctobelba Hammer, 1977: 40.

***Novosuctobelba dentissima* Hammer, 1977**

Novosuctobelba dentissima Hammer, 1977: 40.

Novosuctobelba dentissima.—Subías, Shtanchaeva & Arillo, 2014: 491.

***Novosuctobelba shogranensis* Hammer, 1977**

Novosuctobelba shogranensis Hammer, 1977: 41.

Novosuctobelba shogranensis.—Subías, Shtanchaeva & Arillo, 2014: 124.

***Suctobelbella* Jacot, 1937**

Suctobelbella Jacot, 1937a: 361.

***Suctobelbella acutidens* (Forsslund, 1941)**

Suctobelba acutidens Forsslund, 1941: 391.

Suctobelbella acutidens.—Hammer, 1977: 37; Subías, Shtanchaeva & Arillo, 2014: 126.

***Suctobelbella affinis* Hammer, 1977**

Suctobelbella affinis Hammer, 1977: 40.

Suctobelbella affinis.—Subías, Shtanchaeva & Arillo, 2014: 128.

***Suctobelbella arcuata* Hammer, 1977**

Suctobelbella arcuata Hammer, 1977: 39.

Suctobelbella arcuata.—Subías, Shtanchaeva & Arillo, 2014: 126.

***Suctobelbella chitralensis* Hammer, 1977**

Suctobelbella chitralensis Hammer, 1977: 38.

Suctobelbella chitralensis.—Subías, Shtanchaeva & Arillo, 2014: 128.

***Suctobelbella naranensis* Hammer, 1977**

Suctobelbella naranensis Hammer, 1977: 38.

Suctobelbella naranensis.—Subías, Shtanchaeva & Arillo, 2014: 127.

***Suctobelbella nasalis* (Forsslund, 1941)**

Suctobelba nasalis Forsslund, 1941: 395.

Suctobelbella nasalis.—Hammer, 1977: 38; Subías, Shtanchaeva & Arillo, 2014: 129.

***Suctobelbella palustris* (Forsslund, 1953)**

Suctobelba palustris Forsslund, 1953: 152.

Suctobelbella palustris.—Hammer, 1977: 37; Subías, Shtanchaeva & Arillo, 2014: 277.

***Suctobelbella subcornigera* (Forsslund, 1941)**

Suctobelba subcornigera Forsslund, 1941: 394.

Suctobelbella subcornigera.—Hammer, 1977: 37; Sanyal, 1992: 305; Subías, Shtanchaeva & Arillo, 2014: 277.

***Suctobelbilla* Jacot, 1937**

Suctobelbilla Jacot, 1937b: 241.

Rhynchobella Hammer, 1961: 45.

***Suctobelbilla dentata* (Hammer, 1961)**

Rhynchobella dentata Hammer, 1961: 46 (incorrect spelling).

Suctobelbilla dentata.—Hammer, 1977: 43; Sanyal, 1992: 306; Subías, Shtanchaeva & Arillo, 2014: 493.

TECTOCEPHEIDAE Grandjean, 1954

Tectocephidae Grandjean, 1954b: 436.

***Tectocephus* Berlese, 1895**
Tectocephus Berlese, 1895: 2.

***Tectocephus velatus* (Michael, 1880)**
Tegeocranus velatus Michael, 1880: 190.
Tectocephus velatus.—Hammer, 1977: 31; Sanyal, 1992: 290; Subías, Shtanchaeva & Arillo, 2014: 509.

TENUIALIDAE Jacot, 1929
Tenuialinae Jacot, 1929: 427.

***Hafenrefferia* Oudemans, 1906**
Hafenrefferia Oudemans, 1906b: 62.

***Hafenrefferia gilvipes* (Koch, 1839)**
Oribates gilvipes Koch, 1839d: 14.
Hafenrefferia gilvipes.—Hammer, 1977: 26; Weigmann, 2006: 229; Subías, Shtankaeva & Arillo, 2014: 86.

THYRISOMIDAE Grandjean, 1954
Thyrisomidae Grandjean, 1954b: 436.

***Pantelozetes* Grandjean, 1953**
Pantelozetes Grandjean, 1953: 155.

***Pantelozetes alpestris* (Willmann, 1929)**
Xenillus alpestris Willmann, 1929: 44.
Oribella alpestris.—Hammer, 1977: 24.
Pantelozetes alpestris.—Weigmann, 2006: 322.
Montizetes alpestris.—Subías, Shtankaeva & Arillo, 2014: 96.

TRHYPOCHTHONIELLIDAE Knülle, 1957
Trhypochthoniellidae Knülle, 1957: 150.

***Trhypochthoniellus* Willmann, 1928**
Thrypochthonius (*Thrypochthoniellus*) Willmann, 1928b: 2 (original spelling).

***Trhypochthoniellus longisetus* (Berlese, 1904)**
Trhypochthonius longisetus Berlese, 1904b: 27.
Trhypochthoniellus longisetus.—Weigmann, 2006: 148; Subías, Shtankaeva & Arillo, 2014: 248.
Camisia excavata Willmann, 1919: 552.
Trhypochthonius excavatus.—Hammer, 1977: 19.

TRHYPOCHTHONIIDAE Willmann, 1931
Trhypochthoniinae Willmann, 1931: 102.

***Mainothrus* Choi, 1996**
Mainothrus Choi, 1996: 1.

***Mainothrus badius* (Berlese, 1905)**
Tripochtonius badius Berlese, 1905b: 237.
Trhypochthonius badius.—Hammer, 1977: 19.
Altrhypochthonius badius.—Weigmann, 1997: 6.
Mainothrus badius.—Seniczak, Norton & Wang, 1998: 86; Subías, Shtankaeva & Arillo, 2014: 248.

***Trhypochthonius* Berlese, 1904**

Trhypochthonius Berlese, 1904b: 27.

***Trhypochthonius tectorum* (Berlese, 1896)**

Hypochthonius tectorum Berlese, 1896a: 8.

Trhypochthonius tectorum.—Hammer, 1977: 19; Subías, Shtankaeva & Arillo, 2014: 336.

UNDULORIBATIDAE Kunst, 1971

Unduloribatidae Kunst, 1971: 572.

***Unduloribates* Balogh, 1943**

Tectoribates (*Unduloribates*) Balogh, 1943b: 39.

***Unduloribates undulatus* (Berlese, 1914)**

Sphaerozetes undulatus Berlese, 1914: 129.

Tectoribates undulatus.—Balogh, 1943b: 39.

Unduloribates undulatus.—Hammer, 1977: 57; Subías, Shtankaeva & Arillo, 2014: 514.

ZETOMOTRICHIDAE Grandjean, 1954

Zetomotrichidae Grandjean, 1954d: 16.

***Zetomotrichus* Grandjean, 1934**

Zetomotrichus Grandjean, 1934: 242.

Zetomotrichus lacrimans* Grandjean, 1934

Zetomotrichus lacrimans Grandjean, 1934: 242.

Zetomotrichus lacrimans.—Grandjean, 1954d: 1; Hammer, 1977: 43; Subías, Shtankaeva & Arillo, 2014: 523.

IXODIDA

ARGASIDAE Koch, 1844

Argasiden Koch, 1844a: 219 (original spelling).

***Argas* Latreille, 1795**

Argas Latreille, 1795: 18.

***Argas abdussalami* Hoogstraal & McCarthy, 1965**

Argas abdussalami Hoogstraal & McCarthy, 1965b: 757.

Argas abdussalami.—Iqbal, Khan, Kakar & Jabbar, 2004: 5; Ghosh *et al.*, 2007: S214; Guglielmone *et al.*, 2010: 3.

***Argas persicus* (Oken, 1818)**

Rhynchoprion persicum Oken, 1818: 1568.

Argas persicus.—Yasin & Abdussalam, 1958: 487; Buriro & Akbar, 1978: 2; Ghosh *et al.*, 2007: S214; Qamar, Sulehria & Zahra, 2009: 89; Guglielmone *et al.*, 2010: 4; Karim *et al.*, 2017: 7.

***Argas reflexus* (Fabricius, 1794)**

Acarus reflexus Fabricius, 1794: 426.

Argas reflexus.—Iqbal, Khan, Kakar & Jabbar, 2004: 5; Ghosh *et al.*, 2007: S214; Qamar, Sulehria & Zahra, 2009: 89; Guglielmone *et al.*, 2010: 4.

***Argas vespertilionis* (Latreille, 1802)**

Caris vespertilionis Latreille, 1802: 68.

Argas vespertilionis.—Hoogstraal, 1958: 20; Ghosh *et al.*, 2007: S214; Qamar, Sulehria & Zahra, 2009: 89; Guglielmone *et al.*, 2010: 4.

Argas vespertillionsia.—Iqbal, Khan, Kakar & Jabbar, 2004: 5 (incorrect spelling).

Ornithodoros Koch, 1844

Ornithodoros Koch, 1844a: 219.

Ornithodoros lahorensis Neumann, 1908

Ornithodoros lahorensis Neumann, 1908: 17 (incorrect spelling).

Ornithodoros lahorensis.—Hoogstraal, Wassef, Diab, Al-Asgah & Al-Khalifa, 1984: 167; Guglielmone *et al.*, 2010: 6.

Ornithodoros papillipes (Birula, 1895)*

Argas papillipes Birula, 1895: 354.

Ornithodoros grossi Brumpt, 1922: 775 (incorrect spelling)*.

Ornithodoros papillipes.—Pavlovsky, 1930: 355; Sen, 1938: 135 (incorrect spelling).

Ornithodoros crossi.—Sapre, 1944: 54 (incorrect spelling).

Ornithodoros papillipes.—Guglielmone *et al.*, 2010: 6.

Ornithodoros savignyi (Audouin, 1826)

Argas savignyi Audouin, 1826: 183.

Ornithodoros savignyi.—Yasin & Abdussalam, 1958: 487; Guglielmone *et al.*, 2010: 7.

Ornithodoros tholozani (Laboulbène & Mégnin, 1882)

Argas tholozani Laboulbène & Mégnin, 1882: 333.

Ornithodoros tholozani.—Karim *et al.*, 2017: 7; Guglielmone *et al.*, 2010: 7.

IXODIDAE Dugès, 1834

Ixodei Dugès, 1834a: 19 (original spelling).

Amblyomma Koch, 1844

Amblyomma Koch, 1844a: 223.

Amblyomma americanum (Linnaeus, 1758)*

Acarus americanus Linnaeus, 1758: 615.

Amblyomma americanum.—Guglielmone *et al.*, 2010: 8; Khattak, Ali, Jahangir, Khan, Rasul & Iqbal, 2012: 1241; Guglielmone *et al.*, 2014: 379; Guglielmone *et al.*, 2015.

Amblyomma fimbriatum Koch, 1844

Amblyomma fimbriatum Koch, 1844: 231.

Aponomma ecinctum Neumann, 1901: 293.

Aponomma ecinctum.—Buitendijk, 1945: 282.

Amblyomma fimbriatum.—Guglielmone *et al.*, 2014: 419; Guglielmone *et al.*, 2015.

Amblyomma gervaisi (Lucas, 1847)

Ixodes gervaisii Lucas, 1847: xcix (original spelling).

Aponomma gervaisii.—McCarthy, 1967: 26; Auffenberg & Auffenberg, 1990: 1.

Aponomma gervaisi.—Sanyal & De, 1992: 29; Guglielmone *et al.*, 2010: 9; Guglielmone *et al.*, 2014: 429; Guglielmone *et al.*, 2015.

Amblyomma javanense (Supino, 1897)

Rhipicephalus javanensis Supino, 1897: 233.

Amblyomma javanense.—McCarthy, 1967: 19; Sanyal & De, 1992: 27; Guglielmone *et al.*, 2010: 9; Guglielmone *et al.*, 2014: 443; Guglielmone *et al.*, 2015.

Amblyomma sublaeve.—Sharif, 1928: 328.

Amblyomma maculatum* Koch, 1844

Amblyomma maculatum Koch, 1844a: 227.

Amblyomma maculatum.—Guglielmone *et al.*, 2010: 9; Khattak, Ali, Jahangir, Khan, Rasul & Iqbal, 2012: 1241; Guglielmone *et al.*, 2014: 454; Guglielmone *et al.*, 2015.

Amblyomma pomposum* Dönitz, 1909

Amblyomma pomposum Dönitz, 1909: 466.

Amblyomma pomposum.—Farooqi *et al.*, 2017: 2013; Guglielmone *et al.*, 2015.

***Dermacentor* Koch, 1844**

Dermacentor Koch, 1844a: 235.

Dermacentor andersoni* Stiles, 1908

Dermacentor andersoni Stiles, 1908: 949.

Dermacentor andersoni.—Cheema, Jameel & Iqbal, 1992: 16; Guglielmone *et al.*, 2010: 12; Guglielmone *et al.*, 2014: 612; Guglielmone *et al.*, 2015.

Dermacentor andersoni.—Rafique, Kakar, Iqbal, Masood & Razzaq, 2015: 845 (also with incorrect spellings).

Dermacentor circumguttatus* Neumann, 1897

Dermacentor circumguttatus Neumann, 1897: 374.

Dermacentor circumguttatus.—Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

***Dermacentor marginatus* (Sulzer, 1776)**

Acarus marginata Sulzer, 1776: 245.

Dermacentor marginatus.—Iqbal, Khan, Kakar & Jabbar, 2004: 3; Ghosh *et al.*, 2007: S214; Sajid *et al.*, 2011: 607; Guglielmone *et al.*, 2010: 12; Iqbal, Sajid, Khan & Khan, 2013: 538; Guglielmone *et al.*, 2014: 623; Guglielmone *et al.*, 2015.

***Dermacentor raskemensis* Pomerantzev, 1946**

Dermacentor raskemensis Pomerantzev, 1946: 16.

Dermacentor raskemensis.—McCarthy, 1967: 51; Apanaskevich, 2013: 959; Guglielmone *et al.*, 2010: 12; Guglielmone *et al.*, 2014: 634; Guglielmone *et al.*, 2015.

Dermacentor raskimensis.—Siddiqi & Jan, 1986: 125; Sajid *et al.*, 2011: 607; Iqbal, Sajid, Khan & Khan, 2013: 538 (incorrect spelling).

Dermacentor rhinocerinus* (Denny, 1843)

Ixodes rhinocerinus Denny, 1843: 313.

Dermacentor rhinocerinus.—Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

Dermacentor variabilis* (Say, 1821)

Ixodes variabilis Say, 1821: 77.

Dermacentor variabilis.—Cheema, Jameel & Iqbal, 1992: 16; Guglielmone *et al.*, 2010: 13; Guglielmone *et al.*, 2014: 642; Guglielmone *et al.*, 2015.

Haemaphysalis* Koch, 1844

Haemaphysalis Koch, 1844a: 237.

Haemaphysalis aciculifer* Warburton, 1913

Haemaphysalis aciculifer Warburton, 1913: 125.

Haemaphysalis aciculifer.—Guglielmone *et al.*, 2015.

Heamaphysalis Aciculifer.—Farooqi *et al.*, 2017: 2013 (incorrect spelling).

***Haemaphysalis bispinosa* Neumann, 1897**

Haemaphysalis bispinosa Neumann, 1897:341.

Haemaphysalis bispinosa.—McCarthy, 1967: 62; Begum, Wisseman & Traub, 1970: 186; Sanyal & De, 1992: 36; Guglielmone *et al.*, 2010: 13; Geevarghese & Mishra, 2011: 146; Guglielmone *et al.*, 2014: 236; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.

***Haemaphysalis canestrinii* (Supino, 1897)**

Opisthodon canestrinii Supino, 1897: 237.

Haemaphysalis canestrinii.—Guglielmone *et al.*, 2010: 13; Geevarghese & Mishra, 2011: 215; Guglielmone *et al.*, 2014: 242; Guglielmone *et al.*, 2015.

***Haemaphysalis cornupunctata* Hoogstraal & Varma, 1962**

Haemaphysalis cornupunctata Hoogstraal & Varma, 1962: 185.

Haemaphysalis cornupunctata.—McCarthy, 1967: 68; Siddiqi & Jan, 1986: 125; Ghosh *et al.*, 2007: S214; Guglielmone *et al.*, 2010: 13; Geevarghese & Mishra, 2011: 38; Guglielmone *et al.*, 2014: 254; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.

Haemaphysalis cornupunctata.—Sajid *et al.*, 2011: 607; Iqbal, Sajid, Khan & Khan, 2013: 538 (incorrect spelling).

***Haemaphysalis danieli* Černý & Hoogstraal, 1977**

Haemaphysalis danieli Černý & Hoogstraal, 1977: 567.

Haemaphysalis danieli.—Guglielmone *et al.*, 2010: 13; Guglielmone *et al.*, 2014: 256; Guglielmone *et al.*, 2015.

***Haemaphysalis erinacei* Pavesi, 1884**

Haemaphysalis erinacei Pavesi, 1884: 484.

Haemaphysalis erinacei.—Begum, Wisseman & Traub, 1970: 186; Guglielmone *et al.*, 2010: 14; Guglielmone *et al.*, 2014: 262; Guglielmone *et al.*, 2015.

Haemaphysalis erinacei turanica.—McCarthy, 1967: 74.

Haemaphysalis erinacei Feldman-Muhsam, 1951: 105 (junior homonym and synonym).

Haemaphysalis flava* Neumann, 1897

Haemaphysalis flava Neumann, 1897: 333.

Haemaphysalis flava.—Iqbal & Nawaz, 2007: 1; Guglielmone *et al.*, 2010: 14; Guglielmone *et al.*, 2014: 264; Guglielmone *et al.*, 2015.

Haemaphysalis houyi* Nuttall & Warburton, 1915

Haemaphysalis calcarata var. *houyi* Nuttall & Warburton, 1915: 444.

Haemaphysalis houyi.—Guglielmone *et al.*, 2015.

Haemaphysalis Houyi.—Farooqi *et al.*, 2017: 2013 (incorrect spelling).

***Haemaphysalis howletti* Warburton, 1913**

Haemaphysalis howletti Warburton, 1913: 123.

Haemaphysalis howletti.—McCarthy, 1967: 81; Guglielmone *et al.*, 2010: 14; Geevarghese & Mishra, 2011: 70; Guglielmone *et al.*, 2014: 276; Guglielmone *et al.*, 2015.

***Haemaphysalis indica* Warburton, 1910**

Haemaphysalis leachi indica Warburton, 1910: 402.

Haemaphysalis indica.—Sanyal & De, 1992: 39; Guglielmone *et al.*, 2010: 14; Geevarghese & Mishra, 2011: 218; Guglielmone *et al.*, 2014: 282; Guglielmone *et al.*, 2015.

***Haemaphysalis intermedia* Warburton & Nuttall, 1909**

Haemaphysalis bispinosa intermedia Warburton & Nuttall, 1909: 69.

Haemaphysalis intermedia.—McCarthy, 1967: 88; Guglielmone *et al.*, 2010: 14; Geevarghese & Mishra, 2011: 166; Guglielmone *et al.*, 2014: 284; Guglielmone *et al.*, 2015.

***Haemaphysalis kashmirensis* Hoogstraal & Varma, 1962**

Haemaphysalis kashmirensis Hoogstraal & Varma, 1962: 190.

Haemaphysalis kashmirensis.—Hoogstraal & McCarthy, 1965a: 675; McCarthy, 1967: 95; Begum, Wisseman & Traub, 1970: 186; Guglielmone *et al.*, 2010: 14; Geevarghese & Mishra, 2011: 52; Guglielmone *et al.*, 2014: 290; Guglielmone *et al.*, 2015.

Haemaphysalis kashmerensis.—Karim *et al.*, 2017: 7 (incorrect spelling).

***Haemaphysalis kutchensis* Hoogstraal & Trapido, 1963**

Haemaphysalis kutchensis Hoogstraal & Trapido, 1963: 489.

Haemaphysalis kutchensis.—McCarthy, 1967: 101; Guglielmone *et al.*, 2010: 14; Geevarghese & Mishra, 2011: 174; Guglielmone *et al.*, 2014: 295; Guglielmone *et al.*, 2015.

Haemaphysalis leachi* (Audouin, 1826)

Ixodes leachii Audouin, 1826: 185 (original spelling).

Haemaphysalis leachii.—McCarthy, 1967: 109.

Haemaphysalis leachi.—Guglielmone *et al.*, 2010: 14; Guglielmone *et al.*, 2014: 299; Guglielmone *et al.*, 2015.

Haemaphysalis leporispalustris* (Packard, 1869)

Ixodes leporis-palustris Packard, 1869: 67.

Haemaphysalis leporis-palustris.—Cooley, 1946: 31.

Haemaphysalis leporispalustris.—Khattak, Ali, Jahangir, Khan, Rasul & Iqbal, 2012: 1241; Guglielmone *et al.*, 2010: 15; Guglielmone *et al.*, 2014: 301; Guglielmone *et al.*, 2015.

***Haemaphysalis montgomeryi* Nuttall, 1912**

Haemaphysalis montgomeryi Nuttall, 1912: 57.

Haemaphysalis montgomeryi.—McCarthy, 1967: 121; Begum, Wisseman & Traub, 1970: 186; Siddiqi & Jan, 1986: 125; Sanyal & De, 1992: 39; Ghosh *et al.*, 2007: S214; Guglielmone *et al.*, 2010: 15; Geevarghese & Mishra, 2011: 204; Guglielmone *et al.*, 2014: 311; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.

Haemaphysalis montgonervi.—Sajid *et al.*, 2011: 607; Iqbal, Sajid, Khan & Khan, 2013: 538 (incorrect spelling).

Haemaphysalis parmata* Neumann, 1905

Haemaphysalis parmata Neumann, 1905: 228.

Haemaphysalis parmata.—Guglielmone *et al.*, 2015.

Heamaphysalis Parmata.—Farooqi *et al.*, 2017: 2013 (incorrect spelling)

***Haemaphysalis punctata* Canestrini & Fanzago, 1878**

Haemaphysalis punctata Canestrini & Fanzago, 1878: 189.

Haemaphysalis cinnabarina var. *punctata*.—Sharif, 1938: 362.

Haemaphysalis cinnabarina punctata.—Guglielmone & Nava, 2014: 38.

Haemaphysalis punctata.—Guglielmone *et al.*, 2014: 336; Guglielmone *et al.*, 2015.

***Haemaphysalis sulcata* Canestrini & Fanzago, 1878**

Haemaphysalis sulcata Canestrini & Fanzago, 1878: 188.

Haemaphysalis sulcata.—McCarthy, 1967: 128; Begum, Wisseman & Traub, 1970: 186; Guglielmone *et al.*, 2010: 16; Geevarghese & Mishra, 2011: 48; Guglielmone *et al.*, 2014: 352; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.

Haemaphysalis sewelli Sharif, 1928: 243.

Haemaphysalis sewelli.—Hoogstraal & Varma, 1962: 191.

***Hyalomma* Koch, 1844**

Hyalomma Koch, 1844a: 220.

***Hyalomma aegyptium* (Linnaeus, 1758)**

Acarus aegyptius Linnaeus, 1758: 615.

Hyalomma aegyptium.—Kaiser & Hoogstraal, 1964: 260; McCarthy, 1967: 145; Iqbal, Khan, Kakar & Jabbar, 2004: 3; Ghosh *et al.*, 2007: S214; Sajid *et al.*, 2011: 607; Guglielmone *et al.*, 2010: 16; Iqbal, Sajid, Khan & Khan, 2013: 538; Guglielmone *et al.*, 2014: 651; Guglielmone *et al.*, 2015; Rafique, Kakar, Iqbal, Masood & Razzaq, 2015: 844.

Hyalomma aegyptiam.—Iqbal, Khan, Kakar & Jabbar, 2004: 3 (incorrect spelling).

Hyalomma (Hyalomma) syriacum.—Sharif, 1928: 311.

Hyalomma egyptium.—Farooqi *et al.*, 2017: 2013 (incorrect spelling).

***Hyalomma anatolicum* Koch, 1844**

Hyalomma anatolicum Koch, 1844a: 220.

Hyalomma aegyptium.—Sharif, 1928: 302 (in part, misidentification).

Hyalomma anatolicum anatolicum.—Kaiser & Hoogstraal, 1964: 271; McCarthy, 1967: 171; Begum, Wisseman & Traub, 1970: 186; Siddiqi & Jan, 1986: 125; Sanyal & De, 1992: 42; Iqbal, Khan, Kakar & Jabbar, 2004: 3; Ghosh *et al.*, 2007: S214; Guglielmone *et al.*, 2010: 16; Ahmed, Numan, Manzoor & Ali, 2012: 185; Iqbal, Sajid, Khan & Khan, 2013: 538.

Hyalomma anatolicum anatolicum.—Rafique, Kakar, Iqbal, Masood & Razzaq, 2015: 844 (also with incorrect spellings).

Hyalomma anatolicum.—Sajid *et al.*, 2011: 607; Iqbal, Sajid, Khan & Muhammad, 2014: 445; Guglielmone *et al.*, 2014: 653; Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013; Karim *et al.*, 2017: 7.

***Hyalomma asiaticum* Schulze & Schlottke, 1929**

Hyalomma dromedarii asiaticum Schulze & Schlottke, 1929: 34.

Hyalomma asiaticum asiaticum.—McCarthy, 1967: 187; Begum, Wisseman & Traub, 1970: 186.

Hyalomma asiaticum.—Guglielmone *et al.*, 2010: 16; Kakarsulemankhel, 2012: 9; Guglielmone *et al.*, 2014: 655; Guglielmone *et al.*, 2015.

***Hyalomma brevipunctatum* Sharif, 1928**

Hyalomma hussaini brevipunctata Sharif, 1928: 318.

Hyalomma brevipunctata.—Kaiser & Hoogstraal, 1964: 265; McCarthy, 1967: 152; Sanyal & De, 1992: 44; Apanaskevich, Horak & Geevarghese, 2009: 34; Guglielmone *et al.*, 2010: 16.

Hyalomma brevipunctatum.—Guglielmone *et al.*, 2014: 657; Guglielmone *et al.*, 2015.

***Hyalomma dromedarii* Koch, 1844**

Hyalomma dromedarii Koch, 1844a: 220.

Hyalomma aegyptium.—Sharif, 1928: 302 (in part, misidentification).

Hyalomma dromedarii.—Kaiser & Hoogstraal, 1964: 274; McCarthy, 1967: 202; Begum, Wisseman & Traub, 1970: 186; Siddiqi & Jan, 1986: 125; Iqbal, Khan, Kakar & Jabbar, 2004: 3; Ghosh *et al.*, 2007: S214; Sajid *et al.*, 2011: 607; Guglielmone *et al.*, 2010: 17; Iqbal, Sajid, Khan & Khan, 2013: 538; Guglielmone *et al.*, 2014: 658; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.

Hyalomma dromodarii.—Karim *et al.*, 2017: 9 (incorrect spelling).

***Hyalomma excavatum* Koch, 1844**

Hyalomma excavatum Koch, 1844a: 222.

Hyalomma anatolicum excavatum.—McCarthy, 1967: 179; Siddiqi & Jan, 1986: 125; Ghosh *et al.*, 2007: S214.

Hyalomma excavatum.—Sajid *et al.*, 2011: 607; Guglielmone *et al.*, 2010: 17; Iqbal, Sajid, Khan & Khan, 2013: 538; Guglielmone *et al.*, 2014: 659; Guglielmone *et al.*, 2015.

Heamaphysalis Excavatum.—Farooqi *et al.*, 2017: 2013 (incorrect spelling, incorrect genus).

***Hyalomma hussaini* Sharif, 1928**

Hyalomma hussaini typica Sharif, 1928: 314.

Hyalomma hussaini.—Kaiser & Hoogstraal, 1964: 268; McCarthy, 1967: 159; Iqbal, Khan, Kakar & Jabbar, 2004: 3; Ghosh *et al.*, 2007: S214; Apanaskevich, Horak & Geevarghese, 2009: 39; Guglielmone *et al.*, 2010: 17; Guglielmone *et al.*, 2014: 662; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.

***Hyalomma impeltatum* Schulze & Schlottke, 1929**

Hyalomma savignyi impeltatum Schulze & Schlottke, 1929: 37.

Hyalomma impeltatum.—Kaiser & Hoogstraal, 1964: 284; McCarthy, 1967: 210; Guglielmone *et al.*, 2010: 17; Guglielmone *et al.*, 2014: 664; Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

***Hyalomma isaaci* Sharif, 1928**

Hyalomma aegyptium isaaci Sharif, 1928: 307.

Hyalomma marginatum isaaci.—Kaiser & Hoogstraal, 1964: 276; McCarthy, 1967: 216.

Hyalomma marginatus isaaci.—Sanyal & De, 1992: 43; Iqbal, Khan, Kakar & Jabbar, 2004: 3.

Hyalomma isaaci.—Ghosh *et al.*, 2007: S214; Guglielmone *et al.*, 2010: 17; Guglielmone *et al.*, 2014: 666; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.

Hyalomma isaacii.—Karim *et al.*, 2017: 9 (incorrect spelling).

***Hyalomma kumari* Sharif, 1928**

Hyalomma kumari Sharif, 1928: 319.

Hyalomma kumari.—Kaiser & Hoogstraal, 1964: 261; McCarthy, 1967: 165; Chaudhuri, 1970: 43; Iqbal, Khan, Kakar & Jabbar, 2004: 3; Ghosh *et al.*, 2007: S214; Apanaskevich, Horak & Geevarghese, 2009: 47; Guglielmone *et al.*, 2010: 17; Guglielmone *et al.*, 2014: 668; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 9.

Hyalomma kumara.—Karim *et al.*, 2017: 7 (incorrect spelling).

***Hyalomma marginatum* Koch, 1844**

Hyalomma marginatum Koch, 1844a: 221.

Hyalomma aegyptium.—Sharif, 1928: 302 (in part, misidentification).

Hyalomma marginatum.—Begum, Wisseman & Traub, 1970: 186; Guglielmone *et al.*, 2010: 17; Guglielmone *et al.*, 2014: 670; Guglielmone *et al.*, 2015.

Hyalomma marginatum marginatum.—Kakarsulemankhel, 2011: 167.

Hyalomma rufipes* (Gmelin, 1790)

Acarus rufipes Gmelin, 1790: 2931.

Hyalomma rufipes.—Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

***Hyalomma schulzei* Olenev, 1931**

Hyalomma schulzei Olenev, 1931: 256.

Hyalomma schulzei.—Kaiser & Hoogstraal, 1964: 284; McCarthy, 1967: 231; Guglielmone *et al.*, 2010: 17; Guglielmone *et al.*, 2014: 676; Guglielmone *et al.*, 2015.

***Hyalomma scupense* Schulze, 1919**

Hyalomma scupense Schulze, 1919: 62.

Hyalomma scupense.—Apanaskevich, Filippova & Horak, 2010: 70; Guglielmone *et al.*, 2010: 17; Guglielmone *et al.*, 2014: 676; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.

Hyalomma detritum Schulze, 1920: 193.

Hyalomma detritum.—Kaiser & Hoogstraal, 1964: 275; McCarthy, 1967: 194; Begum, Wisseman & Traub, 1970: 186; Siddiqi & Jan, 1986: 125; Ghosh *et al.*, 2007: S214; Sajid *et al.*, 2011: 607; Iqbal, Sajid, Khan & Khan, 2013: 538.

Hyalomma detritum.—Farooqi *et al.*, 2017: 2013 (incorrect spelling).

Hyalomma truncatum* Koch, 1844

Hyalomma truncatum Koch, 1844: 221.

Hyalomma truncatum.—Guglielmone *et al.*, 2015.

Hyalomma trancatum.—Farooqi *et al.*, 2017: 2013 (incorrect spelling).

***Hyalomma turanicum* Pomerantzev, 1946**

Hyalomma marginatum turanicum Pomerantzev, 1946: 24.

Hyalomma marginatum turanicum.—Kaiser & Hoogstraal, 1964: 279; McCarthy, 1967: 223; Kakarsulemankhel, 2011: 169.
Hyalomma turanicum.—Ghosh *et al.*, 2007: S214; Guglielmone *et al.*, 2010: 17; Guglielmone *et al.*, 2014: 680; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.
Hyalomma marginatum toranicum.—Siddiqi & Jan, 1986: 125; Sajid *et al.*, 2011: 607; Iqbal, Sajid, Khan & Khan, 2013: 538 (incorrect spelling).
Hyalomma marginatum turanigum.—Iqbal, Khan, Kakar & Jabbar, 2004: 3 (incorrect spelling).

Ixodes Latreille, 1795

Ixodes Latreille, 1795: 18.

Ixodes hyatti Clifford, Hoogstraal & Kohls, 1971

Ixodes hyatti Clifford, Hoogstraal & Kohls, 1971: 430.

Ixodes hyatti.—Guglielmone *et al.*, 2010: 20; Guglielmone *et al.*, 2014: 95; Guglielmone *et al.*, 2015.

Ixodes kashmiricus Pomerantzev, 1948

Ixodes persulcatus kaschmiricus Pomerantzev, 1948: 20 (original spelling).

Ixodes persulcatus kaschmiricus.—McCarthy, 1967: 239.

Ixodes kashmiricus.—Guglielmone *et al.*, 2010: 20; Guglielmone *et al.*, 2014: 99; Guglielmone *et al.*, 2015.

Ixodes pacificus Cooley & Kohls, 1943*

Ixodes pacificus Cooley & Kohls, 1943: 140.

Ixodes pacificus.—Guglielmone *et al.*, 2010: 21; Khattak, Ali, Jahangir, Khan, Rasul & Iqbal, 2012: 1241; Guglielmone *et al.*, 2014: 146; Guglielmone *et al.*, 2015.

Ixodes redikorzevi Olenov, 1927

Ixodes redikorzevi Olenov, 1927: 219.

Ixodes redikorzevi redikorzevi.—McCarthy, 1967: 244.

Ixodes redikorzevi.—Begum, Wisseman & Traub, 1970: 186; Guglielmone *et al.*, 2010: 21; Guglielmone *et al.*, 2014: 163; Guglielmone *et al.*, 2015.

Ixodes stromi Filippova, 1957

Ixodes stromi Filippova, 1957: 865.

Ixodes stromi.—McCarthy, 1967: 250; Guglielmone *et al.*, 2010: 22; Guglielmone *et al.*, 2014: 189; Guglielmone *et al.*, 2015.

Rhipicephalus Koch, 1844

Rhipicephalus Koch, 1844a: 238.

Rhipicephalus annulatus (Say, 1821)

Ixodes annulatus Say, 1821: 75.

Boophilus annulatus.—McCarthy, 1967: 35; Iqbal, Khan, Kakar & Jabbar, 2004: 3; Ghosh *et al.*, 2007: S214.

Rhipicephalus annulatus.—Sajid *et al.*, 2011: 604; Guglielmone *et al.*, 2010: 23; Iqbal, Sajid, Khan & Khan, 2013: 538; Guglielmone *et al.*, 2014: 531; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7; Farooqi *et al.*, 2017: 2013.

Rhipicephalus appendiculatus Neumann, 1901*

Rhipicephalus appendiculatus Neumann, 1901: 270.

Rhipicephalus appendiculatus.—Ghosh *et al.*, 2007: S214; Guglielmone *et al.*, 2010: 23; Guglielmone *et al.*, 2014: 532; Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

Rhipicephalus arnoldi Theiler & Zumpt, 1950*

Rhipicephalus arnoldi Theiler & Zumpt, in Zumpt, 1950b: 111.

Rhipicephalus arnoldi.—Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

Rhipicephalus breviceps* Warburton, 1910

Rhipicephalus breviceps Warburton, 1910: 398.

Rhipicephalus breviceps.—Guglielmone & Nava, 2014: 30; Guglielmone *et al.*, 2015.

Rhipicephalus decoloratus* Koch, 1844

Rhipicephalus decoloratus Koch, 1844: 239.

Rhipicephalus decoloratus.—Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

Rhipicephalus distinctus* Bedford, 1932

Rhipicephalus punctatus Bedford, 1929: 495 (junior homonym).

Rhipicephalus distinctus Bedford, 1932: 523 (replacement name).

Rhipicephalus distinctus.—Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

Rhipicephalus evertsi* Neumann, 1897

Rhipicephalus evertsi Neumann, 1897: 405.

Rhipicephalus evertsi.—Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

***Rhipicephalus haemaphysaloides* Supino, 1897**

Rhipicephalus haemaphysaloides Supino, 1897: 234.

Rhipicephalus haemaphysaloides haemaphysaloides.—Siddiqi & Jan, 1986: 125; McCarthy, 1967: 258.

Rhipicephalus haemaphysaloides.—Guglielmone *et al.*, 2010: 24; Sajid *et al.*, 2011: 607; Iqbal, Sajid, Khan & Khan, 2013: 538; Guglielmone *et al.*, 2014: 557; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7.

Rhipicephalus haemaphysaloides.—Ghosh *et al.*, 2007: S214 (incorrect spelling).

Rhipicephalus haemaphysalis.—Karim *et al.*, 2017: 9 (incorrect spelling).

Rhipicephalus kochi* Dönitz, 1905

Rhipicephalus kochi Dönitz, 1905: 106.

Rhipicephalus kochi.—Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

Rhipicephalus longus* Neumann, 1907

Rhipicephalus longus Neumann, 1907: 117.

Rhipicephalus longus.—Guglielmone *et al.*, 2015; Farooqi *et al.*, 2017: 2013.

Rhipicephalus microplus* Canestrini, 1888

Haemaphysalis micropla Canestrini, 1888: 104.

Boophilus australis.—Sharif, 1928: 284.

Boophilus microplus.—McCarthy, 1967: 44; Begum, Wisseman & Traub, 1970: 186; Siddiqi & Jan, 1986: 125; Iqbal, Khan, Kakar & Jabbar, 2004: 3; Ghosh *et al.*, 2007: S214; Sajid *et al.*, 2011: 607.

Rhipicephalus microplus.—Guglielmone *et al.*, 2010: 24; Ahmed, Numan, Manzoor & Ali, 2012: 185;

Guglielmone *et al.*, 2014: 569; Iqbal, Sajid, Khan & Muhammad, 2014: 445; Guglielmone *et al.*, 2015; Karim *et al.*, 2017: 7; Farooqi *et al.*, 2017: 2013.

Rhipicephalus (Boophilus) microplus.—Iqbal, Sajid, Khan & Khan, 2013: 538.

Boophilus sharifi Minning, 1934: 23.

Boophilus sharifi Siddiqi & Jan, 1984: 77*.

Rhipicephalus sharifi.—Iqbal, Sajid, Khan & Khan, 2013: 538.

Boophilus sharifi.—Siddiqi & Jan, 1986: 125; Ghosh *et al.*, 2007: S214.

Boophilus sharfi.—Siddiqi & Jan, 1986: 124 (incorrect spelling).

Boophilus (Rhipicephalus) sharifi.—Sajid *et al.*, 2011: 607.

Rhipicephalus pravus* Dönitz, 1910

Rhipicephalus pravus Dönitz, 1910: 109.

Rhipicephalus pravus.—Guglielmone *et al.*, 2015.

Rhipicephalus parvas.—Farooqi *et al.*, 2017: 2013 (incorrect spelling).

***Rhipicephalus ramachandrai* Dhanda, 1966**

Rhipicephalus ramachandrai Dhanda, 1966: 1025.

Rhipicephalus ramachandrai.—McCarthy, 1967: 265; Begum, Wisseman & Traub, 1970: 186; Guglielmo *et al.*, 2010: 25; Guglielmo *et al.*, 2014: 584; Guglielmo *et al.*, 2015.

***Rhipicephalus sanguineus* (Latreille, 1806)**

Ixodes sanguineus Latreille, 1806: 157.

Rhipicephalus sanguineus sanguineus.—McCarthy, 1967: 271; Siddiqi & Jan, 1986: 125; Sajid *et al.*, 2011: 607.

Rhipicephalus sanguineus.—Begum, Wisseman & Traub, 1970: 186; Iqbal, Khan, Kakar & Jabbar, 2004: 3; Ghosh *et al.*, 2007: S214; Guglielmo *et al.*, 2010: 25; Iqbal, Sajid, Khan & Khan, 2013: 538; Guglielmo *et al.*, 2014: 585; Guglielmo *et al.*, 2015; Karim *et al.*, 2017: 7.

***Rhipicephalus turanicus* Pomerantzev, 1940**

Rhipicephalus turanicus Pomerantzev, in Pomerantzev, Matikashvily & Lototzky, 1940: 113.

Rhipicephalus sanguineus turanicus.—McCarthy, 1967: 279.

Rhipicephalus turanicus.—Pomerantzev, 1946: 20; Begum, Wisseman & Traub, 1970: 186; Guglielmo *et al.*, 2010: 25; Sajid *et al.*, 2011: 607; Iqbal, Sajid, Khan & Khan, 2013: 538; Guglielmo *et al.*, 2014: 596; Guglielmo *et al.*, 2015; Karim *et al.*, 2017: 7.

Incompletely identified specimens in this family

Haemaphysalis leachi group.—Begum, Wisseman & Traub, 1970: 186.

Ixodes new species (?).—Begum, Wisseman & Traub, 1970: 186.

MESOSTIGMATA

AMEROSEIIDAE Evans, 1961

Ameroseiidae Evans, 1961, in Hughes, 1961: 244.

***Neocypholaelaps* Vitzthum, 1943**

Neocypholaelaps Vitzthum, 1943: 763.

***Neocypholaelaps apicola* Delfinado-Baker & Baker, 1983**

Neocypholaelaps apicola Delfinado-Baker & Baker, 1983: 1.

***Neocypholaelaps indica* Evans, 1963**

Neocypholaelaps indica Evans, 1963: 217.

Neocypholaelaps indica.—Shafi, 1986: 31; Ahmad, 1988: 88.

Incompletely identified specimens in this family

Ameroseiidae.—Khan, Bashir, Khan & Javed, 2017: 680.

ASCIDAE Voigts & Oudemans, 1905

Ascainae Voigts & Oudemans, 1905: 237 (original spelling).

Incompletely identified specimens in this family

Ascidae.—Khan, Bashir, Khan & Javed, 2017: 680.

BLATTISOCIIDAE Garman, 1948

Blattisociinae Garman, 1948: 8.

***Lasioseius* Berlese, 1916**

Lasioseius Berlese, 1916a: 33.

Gnorimus Chaudhri, 1975b: 100.

***Lasioseius albatu*s (Parvez, Iqbal & Akbar, 2000)**

*Gnorimus albatu*s Parvez, Iqbal & Akbar, 2000: 355.

*Gnormius albatu*s.—Ahmad, Bashir & Afzal, 2006: 71.

*Lasioseius albatu*s.—Moraes, Abo-Shnaf, Pérez-Madruga, Sánchez, Karmakar & Ho, 2015: 34; Moraes, Britto, Mineiro & Halliday, 2016: 160.

*Gnormius albatu*s Parvez, Iqbal & Akbar, 2000: 355 (incorrect spelling).

***Lasioseius faustu*s (Parvez, Iqbal & Akbar, 2000)**

*Gnorimus faustu*s Parvez, Iqbal & Akbar, 2000: 357.

*Lasioseius faustu*s.—Moraes, Abo-Shnaf, Pérez-Madruga, Sánchez, Karmakar & Ho, 2015: 34; Moraes, Britto, Mineiro & Halliday, 2016: 167.

*Gnorimus faustu*s Parvez, Iqbal & Akbar, 2000: 357 (incorrect spelling).

*Gnormius faustu*s Parvez, Iqbal & Akbar, 2000: 357 (incorrect spelling).

***Lasioseius jamali* (Ahmad, Bashir & Afzal, 2006)**

Gnorimus jamali Ahmad, Bashir & Afzal, 2006: 69.

Lasioseius jamali.—Moraes, Abo-Shnaf, Pérez-Madruga, Sánchez, Karmakar & Ho, 2015: 34; Moraes, Britto, Mineiro & Halliday, 2016: 171.

***Lasioseius lendis* (Parvez, Iqbal & Akbar, 2000)**

Gnorimus lendis Parvez, Iqbal & Akbar, 2000: 358.

Lasioseius lendis.—Moraes, Abo-Shnaf, Pérez-Madruga, Sánchez, Karmakar & Ho, 2015: 34; Moraes, Britto, Mineiro & Halliday, 2016: 173.

***Lasioseius parberlesei* Bhattacharyya, 1968**

Lasioseius parberlesei Bhattacharyya, 1968: 532.

Gnorimus tabella Chaudhri, 1975b: 100.

Gnorimus tabella.—Chaudhri, Akbar & Rasool, 1979: 8; Chaudhri & Akbal, 1985: 279; Akbar & Aheer, 1994: 345; Parvez, Iqbal & Akbar, 2000: 355; Ahmad, Bashir & Afzal, 2006: 70; Moraes, Britto, Mineiro & Halliday, 2016: 188.

Lasioseius parberlesei.—Moraes, Abo-Shnaf, Pérez-Madruga, Sánchez, Karmakar & Ho, 2015: 12.

Incompletely identified specimens in this family

Aceosagelidae.—Haq & Afzal, 2007: 2206 (incorrect spelling of Aceosejidae, = Blattisociidae).

Aceosejidae.—Haq & Afzal, 2007: 2207 (incorrect spelling of Aceosejidae, = Blattisociidae).

Aceseidae.—Haq & Afzal, 2007: 2207 (incorrect spelling of Aceosejidae, = Blattisociidae).

Lasioseius sp.—Kazimi & Ghani, 1969b: Appendix I, ii.

Platyseius sp.—Reisen & Mullen, 1978: 770.

CELAENOPSIDAE Berlese, 1892

Celaenopsidae Berlese, 1892a: 50.

Incompletely identified specimens in this family

Celaenopsidae sp.—Jan & Gul, 1994: 86.

DERMANYSSIDAE Kolenati, 1859

Dermanyssida Kolenati, 1859: 171 (original spelling).

Dermanyssus Dugès, 1834

Dermanyssus Dugès, 1834a: 18.

Dermanyssus gallinae (De Geer, 1778)

Acarus gallinae De Geer, 1778: 111.

Dermanyssus gallinae.—Hughes, 1976: 309; Buriro & Akbar, 1978: 2; Mullen & OConnor, 2009: 456; Khattak, Ali, Jahangir, Khan, Rasul & Iqbal, 2012: 1241; Qayyoun & Khan, 2017: 9.

Liponyssoides Hirst, 1913

Dermanyssus (Liponyssoides) Hirst, 1913: 120.

Liponyssoides sanguineus (Hirst, 1914)

Dermanyssus sanguineus Hirst, 1914: 219.

Allodermanyssus sanguineus.—Yasin & Abdussalam, 1958: 487; Allred, 1969a: 242; Allred, 1975: 124; Mullen & OConnor, 2009: 437.

Incompletely identified specimens in this family

Dermanyssidae.—Qayyoun & Khan, 2016b: 1.

HALARACHNIDAE Oudemans, 1906

Halarachnidae Oudemans, 1906c: 44.

Incompletely identified specimens in this family

Pneumonyssus sp.—Capet, Ptito & Neaga, 1972: 139.*

LAELAPIDAE Berlese, 1892

Laelaptidae Berlese, 1892a: 30 (original spelling).

Androlaelaps Berlese, 1903

Laelaps (Androlaelaps) Berlese, 1903a: 14.

Androlaelaps aduncus Allred, 1969

Androlaelaps (Haemolaelaps) aduncus Allred, 1969a: 219.

Androlaelaps aduncus.—Allred, 1975: 125.

Androlaelaps casalis (Berlese, 1887)

Iphis casalis Berlese, 1887a: 8.

Androlaelaps casalis.—Allred, 1969a: 243.

Haemolaelaps casalis.—Allred, 1975: 126.

Androlaelaps casalis casalis.—Hughes, 1976: 288.

Androlaelaps congoensis Till, 1963

Androlaelaps congoensis Till, 1963: 28.

Androlaelaps congoensis.—Allred, 1969a: 242.

Haemolaelaps congoensis.—Allred, 1975: 126.

Androlaelaps longipes (Bregetova, 1952)

Haemolaelaps longipes Bregetova, 1952: 867.

Androlaelaps longipes.—Allred, 1969a: 242.

Haemolaelaps longipes.—Allred, 1975: 126.

***Androlaelaps marshalli* (Berlese, 1911)**

Laelaps marshalli Berlese, 1911: 433.

Androlaelaps marshalli.—Allred, 1969a: 242; Allred, 1975: 125.

***Androlaelaps pakistanicus* Allred, 1970**

Androlaelaps pakistanicus Allred, 1970: 107.

Androlaelaps pakistanicus.—Allred, 1975: 125.

***Androlaelaps pavlovskii* Bregetova, 1955**

Androlaelaps pavlovskii Bregetova, 1955a: 234.

Hypoaspis pavlovskii.—Allred, 1969a: 242.

Androlaelaps pavlovskii.—Allred, 1975: 125.

***Androlaelaps zuluensis* (Zumpt, 1950)**

Hypoaspis zuluensis Zumpt, 1950a: 300.

Androlaelaps zuluensis.—Allred, 1969a: 242; Allred, 1975: 125.

***Cosmolaelaps* Berlese, 1903**

Laelaps (*Cosmolaelaps*) Berlese, 1903a: 13.

***Cosmolaelaps vacua* (Michael, 1891)**

Laelaps vacua Michael, 1891: 651.

Hypoaspis vacua.—Allred, 1969a: 242; Allred, 1975: 127.

***Eulaelaps* Berlese, 1903**

Laelaps (*Eulaelaps*) Berlese, 1903a: 13.

***Eulaelaps indiscretus* Allred, 1969**

Eulaelaps indiscretus Allred, 1969a: 221.

Eulaelaps indiscretus.—Allred, 1975: 125.

***Eulaelaps stabularis* (Koch, 1839)**

Gamasus stabularis Koch, 1839b: 1.

Eulaelaps stabularis.—Allred, 1969a: 241; Allred, 1969b: 108; Allred, 1975: 125; Hughes, 1976: 304.

***Gaeolaelaps* Evans & Till, 1966**

Gaeolaelaps Evans & Till, 1966: 159.

Gaeolaelaps quadridentatus* (Allred, 1970)

Hypoaspis quadridentatus Allred, 1970: 110.

***Haemogamasus* Berlese, 1889**

Haemogamasus Berlese, 1889a: 2.

***Haemogamasus dorsalis* Teng & Pan, 1964**

Haemogamasus dorsalis Teng & Pan, 1964: 117.

Haemogamasus dorsalis.—Allred, 1969a: 242; Allred, 1969b: 109; Allred, 1975: 126.

***Haemogamasus gyrinodes* Allred, 1969**

Haemogamasus gyrinodes Allred, 1969a: 223.

Haemogamasus gyrinodes.—Allred, 1975: 126.

***Haemogamasus ivanovi* Bregetova, 1955**

Haemogamasus ivanovi Bregetova, 1955b: 271.

Haemogamasus ivanovi.—Allred, 1969a: 242; Allred, 1969b: 109; Allred, 1975: 126.

***Haemogamasus kitanoi* Asanuma, 1948**

Haemogamasus kitanoi Asanuma, 1948: 173.

Haemogamasus kitanoi.—Asanuma, 1951: 5; Allred, 1969b: 110.

***Haemogamasus nidiformes* Bregetova, 1955**

Haemogamasus nidiformes Bregetova, 1955b: 285.

Haemogamasus nidiformis.—Allred, 1969a: 242; Allred, 1969b: 110; Allred, 1975: 126 (incorrect spelling).

***Hirstionyssus* Fonseca, 1948**

Hirstionyssus Fonseca, 1948: 294.

***Hirstionyssus brevisternum* Allred, 1969**

Hirstionyssus brevisternum Allred, 1969a: 225.

Hirstionyssus brevisternum.—Allred, 1975: 126.

***Hirstionyssus butantanensis* (Fonseca, 1932)**

Ichoronyssus butantanensis Fonseca, 1932: 135.

Hirstionyssus butantanensis.—Herrin, 1974: 342.

Liponyssus laticutatus De Meillon & Lavoipierre, 1944: 62.

Hirstionyssus laticutatus.—Allred, 1969a: 242; Allred, 1975: 126.

***Hirstionyssus ellobii* Bregetova, 1956**

Hirstionyssus ellobii Bregetova, 1956: 177.

Hirstionyssus near *ellobii*.—Allred, 1969a: 242.

Hirstionyssus ellobii.—Allred, 1975: 126.

***Hirstionyssus meridianus* Zemskaya, 1955**

Hirstionyssus meridianus Zemskaya, 1955: 366.

Hirstionyssus meridianus.—Allred, 1969a: 242; Allred, 1975: 127.

***Hirstionyssus sunci* Wang, 1962**

Hirstionyssus sunci Wang, 1962: 413.

Hirstionyssus sunci.—Allred, 1969a: 242; Allred, 1975: 127.

***Hirstionyssus transiliensis* Bregetova, 1956**

Hirstionyssus transiliensis Bregetova, 1956: 179.

Hirstionyssus transiliensis.—Allred, 1969a: 242; Allred, 1975: 127.

***Laelaps* Koch, 1836**

Laelaps Koch, 1836a: 19.

***Laelaps algericus* Hirst, 1925**

Laelaps algericus Hirst, 1925a: 57.

Laelaps algericus.—Allred, 1969a: 243; Allred, 1975: 127.

***Laelaps buxtoni* Radford, 1941**

Laelaps buxtoni Radford, 1941: 307.

Laelaps buxtoni.—Allred, 1969a: 243; Allred, 1975: 127.

***Laelaps jugalis* Allred, 1969**

Laelaps jugalis Allred, 1969a: 226.

Laelaps jugalis.—Allred, 1975: 127.

***Laelaps longisetosus* Allred, 1969**

Laelaps longisetosus Allred, 1969a: 229.

Laelaps longisetosus.—Allred, 1975: 127.

***Laelaps myonyssognathus* Grochovskaya & Nguyen, 1961**

Laelaps myonyssognathus Grochovskaya & Nguyen, 1961: 1640.

Laelaps myonyssognathus.—Allred, 1969a: 243; Allred, 1975: 128.

***Laelaps nuttalli* Hirst, 1915**

Laelaps nuttalli Hirst, 1915: 183.

Laelaps nuttalli.—Allred, 1969a: 243; Allred, 1975: 128.

***Laelaps pavlovskiy* Zakhvatkin, 1948**

Laelaps pavlovskiy Zakhvatkin, 1948: 66.

Laelaps pavlovskiy.—Allred, 1969a: 243; Allred, 1975: 128.

***Laelaps turkestanicus* Lange, 1955**

Laelaps turkestanicus Lange, 1955: 329.

Laelaps turkestanicus.—Allred, 1969a: 243; Allred, 1975: 128.

Laelaspis Berlese, 1903

Laelaps (Laelaspis) Berlese, 1903a: 14.

***Laelaspis patulus* Allred, 1969**

Laelaspis patulus Allred, 1969a: 234.

Laelaspis patulus.—Allred, 1975: 128.

Myonyssus Tiraboschi, 1904

Myonyssus Tiraboschi, 1904: 337.

***Myonyssus montanus* Furman & Tipton, 1955**

Myonyssus montanus Furman & Tipton, 1955: 180.

Myonyssus montanus.—Allred, 1969a: 242; Allred, 1975: 128.

***Myonyssus quinarius* Allred, 1969**

Myonyssus quinarius Allred, 1969a: 236.

Myonyssus quinarius.—Allred, 1975: 128.

Stratiolaelaps Berlese, 1916

Hypoaspis (Stratiolaelaps) Berlese, 1916b: 168.

***Stratiolaelaps miles* (Berlese, 1892)**

Laelaps miles Berlese, 1892b: 9.

Hypoaspis miles.—Allred, 1969a: 242; Allred, 1975: 127; Hughes, 1976: 299.

Tropilaelaps Delfinado & Baker, 1961

Tropilaelaps Delfinado & Baker, 1961: 53.

Tropilaelaps mercedesae* Anderson & Morgan, 2007

Tropilaelaps mercedesae Anderson & Morgan, 2007: 21.

Tropilaelaps clareae.—Ahmad, 1988: 88; Ahmad, 1995: 177; Mahmood, Mohsin, Asad, Raja & Sarwar, 2014: 32.

Tropilaelaps mercedesae.—Chantawannakul, de Guzman, Li & Williams, 2016: 306.

Incompletely identified specimens in this family

- Androlaelaps* species A.—Allred, 1969a: 242.
Eulaelaps sp. A.—Allred, 1969b: 115.
Gaeolaelaps sp.—Qayyoun & Khan, 2017: 8.
Haemogamasus sp.—Allred, 1969b: 111.
Haemolaelaps sp. (*farenholzi* group).—Allred, 1975: 126.
Hypoaspis species 1.—Allred, 1969a: 242.*
Hypoaspis species 2.—Allred, 1969a: 242.*
Laelapidae.—Qayyoun & Khan, 2016b: 1.
Laelapidae.—Khan, Bashir, Khan & Javed, 2017: 680.
Pneumolaelaps sp.—Qayyoun & Khan, 2017: 8.

MACROCHELIDAE Vitzthum, 1930

Macrochelidae Vitzthum, 1930: 301.

Longicheles Valle, 1953

Geholaspis (*Longicheles*) Valle, 1953: 343.

Longicheles hortorum (Berlese, 1904)

Holostaspis longulus hortorum Berlese, 1904a: 265.

Longicheles hortorum.—Qayyoun & Khan, 2016a: 871.

Longicheles mandibularis (Berlese, 1904)

Holostaspis mandibularis Berlese, 1904a: 263

Longicheles mandibularis.—Qayyoun & Khan, 2016a: 871.

Macrocheles Latreille, 1829

Macrocheles Latreille, 1829: 282.

Macrocheles akbari Khan, 1967

Macrocheles akbari Khan, 1967: 395.

Macrocheles kraepelini (Berlese, 1905)

Holostaspis kraepelini Berlese, 1905a: 164.

Macrocheles kraepelini.—Walter & Krantz, 1986: 212; Halliday, 2000: 298.

Macrocheles lyallpurensis Halliday, 2000

Macrocheles lyallpurensis Halliday, 2000: 299 (replacement name)

Macrocheles layypurensis.—Qayyoun, Khan, Bashir & Sahi, 2017: 34 (incorrect spelling).

Macrocheles krantzi Anwarullah & Irshad, 1971: 146 (junior homonym)

Macrocheles krantzi.—Anwarullah, 1976: 41.

Macrocheles merdarius (Berlese, 1889)

Holostaspis merdarius Berlese, 1889a: 1.

Macrocheles merdarius.—Filipponi & Pegazzano, 1963: 83; Halliday, 2000: 301; Qayyoun, Khan, Bashir & Sahi, 2017: 34.

Macrocheles muscaedomesticae (Scopoli, 1772)

Acarus muscae domesticae Scopoli, 1772: 125.

Macrocheles muscaedomesticae.—Anwarullah, 1976: 41; Hughes, 1976: 355; Halliday, 2000: 302.

Macrocheles scutatus (Berlese, 1904)

Holostaspis subbadius scutatus Berlese, 1904a: 264.

Macrocheles scutatus.—Filipponi & Pegazzano, 1962: 228; Halliday, 2000: 311; Qayyoun, Khan, Bashir & Sahi, 2017: 34.

***Macrocheles subbadius* (Berlese, 1904)**

Holostaspis subbadius Berlese, 1904a: 264.

Macrocheles subbadius.—Filipponi & Pegazzano, 1963: 73; Halliday, 2000: 315; Qayyoun, Khan, Bashir & Sahi, 2017: 34.

Incompletely identified specimens in this family

Glypholaspis sp.—Qayyoun & Khan, 2017: 8.

Macrocheles sp.—Anwarullah, Khan, Hasan & Husain, 1968: 295.

Macrocheles sp.—Qayyoun & Khan, 2017: 8.

Macrochelidae.—Qayyoun & Khan, 2016b: 1.

Macrochelidae.—Khan, Bashir, Khan & Javed, 2017: 680.

MACRONYSSIDAE Oudemans, 1937

Macronyssidae Oudemans, 1937: 2835.

***Macronyssus Kolenati*, 1858**

Macronyssus Kolenati, 1858: 5.

***Macronyssus angustus* Allred, 1969a**

Macronyssus angustus Allred, 1969a: 233.

Macronyssus angustus.—Allred, 1975: 128.

***Ornithonyssus Sambon*, 1928**

Ornithonyssus Sambon, 1928: 105.

***Ornithonyssus bacoti* (Hirst, 1913)**

Leiognathus bacoti Hirst, 1913: 122.

Ornithonyssus bacoti.—Allred, 1969a: 242; Allred, 1975: 128; Mullen & OConnor, 2009: 457.

***Ornithonyssus bursa* (Berlese, 1888)**

Leiognathus bursa Berlese, 1888: 208.

Ornithonyssus sp. near *bursa*.—Allred, 1969a: 242.

Ornithonyssus bursa.—Allred, 1975: 128; Mullen & OConnor, 2009: 457.

***Ornithonyssus sylviarum* (Canestrini & Fanzago, 1878)**

Dermanyssus sylviarum Canestrini & Fanzago, 1878: 124.

Liponyssus sylviarum.—Hirst, 1923: 975; Bilqees & Masood, 1977: 169; Bilqees & Khan, 1985: 307.

Ornithonyssus sylviarum.—Mullen & OConnor, 2009: 457; Khattak, Ali, Jahangir, Khan, Rasul & Iqbal, 2012: 1241.

***Steatonyssus Kolenati*, 1858**

Steatonyssus Kolenati, 1858: 6.

***Steatonyssus crassisetosus* Till & Evans, 1964**

Steatonyssus crassisetosus Till & Evans, 1964: 534.

Steatonyssus crassisetosus.—Allred, 1969a: 242; Allred, 1975: 129.

***Steatonyssus heteroventralis* Ah & Radovsky, 1967**

Steatonyssus heteroventralis Ah & Radovsky, 1967: 421.

Steatonyssus heteroventralis.—Allred, 1969a: 242; Allred, 1975: 129.

***Steatonyssus periblepharis* Kolenati, 1858**

Steatonyssus periblepharis Kolenati, 1858: 6.

Steatonyssus periblepharis.—Allred, 1969a: 242; Allred, 1975: 129.

MEGISTHANIDAE Berlese, 1914

Megisthanidae Berlese, 1914: 145 (original spelling).

Incompletely identified specimens in this family

Megisthanidae sp.—Jan & Gul, 1994: 86.

MELICHARIDAE Hirschmann, 1962

Melicharinae Hirschmann, 1962: 38.

***Proctolaelaps* Berlese, 1923**

Proctolaelaps Berlese, 1923: 255.

***Proctolaelaps bickleyi* Bram, 1956**

Garmania bickleyi Bram, 1956: 292.

Proctolaelaps bickleyi.—Kazimi & Ghani, 1969b: Appendix I, ii; Moraes, Britto, Mineiro & Halliday, 2016: 206.

***Proctolaelaps pygmaeus* (Müller, 1859)**

Gamasus pygmaeus Müller, 1859: 30.

Hypoaspis hypudaei.—Oudemans, 1902d: 21.

Proctolaelaps hypudaei.—Kazimi & Ghani, 1969b: Appendix I, ii.

Proctolaelaps pygmaeus.—Anwarullah & Irshad, 1971: 145; Hughes, 1976: 317; Moraes, Britto, Mineiro & Halliday, 2016: 223.

PACHYLAELAPIDAE Berlese, 1913

Pachylaelaptini Berlese, 1913b: 11 (original spelling).

Incompletely identified specimens in this family

Pachylaelapidae.—Khan, Bashir, Khan & Javed, 2017: 680.

PARASITIDAE Oudemans, 1901

Parasitinae Oudemans, 1901: 59.

***Eugamasus* Berlese, 1892**

Gamasus (Eugamasus) Berlese, 1892a: 62.

***Eugamasus karachiensis* Anwarullah & Khan, 1969**

Eugamasus karachiensis Anwarullah & Khan, 1969: 524.

Eugamasus karachiensis.—Anwarullah, 1976: 41.

***Eugamasus novelai* Khan, 1967**

Eugamasus novelai Khan, 1967: 395.

Incompletely identified specimens in this family

Parasitidae.—Jan & Gul, 1994: 86.

Parasitidae.—Qayyoom & Khan, 2016b: 1.

Parasitidae.—Khan, Bashir, Khan & Javed, 2017: 680.

Parasitus sp.—Anwarullah, 1976: 41

Parasitus sp.—Qayyoun & Khan, 2017: 9.
Pergumasus sp.—Anwarullah, 1976: 41 (incorrect spelling of *Pergamasus*).

PHYTOSEIIDAE Berlese, 1916

Phytoseiini Berlese, 1916a: 33.

***Amblyseiulella* Muma, 1961**

Amblyseiulella Muma, 1961: 276.

***Amblyseiulella paraheveae* (Wu & Ou, 2002)**

Asperoseius paraheveae Wu & Ou, 2002: 125.

Amblyseiulella paraheveae.—Honey, Bashir, Kamran & Afzal, 2016: 56; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius* Berlese, 1914**

Amblyseius Berlese, 1914: 143.

***Amblyseius abdono* Khan, Ashfaq & Hasan, 2010**

Amblyseius abdono Khan, Ashfaq & Hasan, 2010: 398.

Amblyseius abdono.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius adhatodae* Muma, 1967**

Amblyseius adhatodae Muma, 1967: 268.

Amblyseius adhatodae.—Kazimi & Ghani, 1969b: Appendix I, ii; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius animos* Khan, Afzal & Akbar, 2000**

Amblyseius animos Khan, Afzal & Akbar, 2000: 86.

Amblyseius animos.—Khan, Afzal, M. & Bashir, 2007: 148; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius blosis* Ahmad & Chaudhri, 1989**

Amblyseius blosis Ahmad & Chaudhri, 1989: 42.

Amblyseius blosis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius bulga* Khan, Khan & Akbar, 1997**

Amblyseius bulga Khan, Khan & Akbar, 1997: 39.

Amblyseius bulga.—Khan, Ashfaq & Hasan, 2011a: 224; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius calidum* Khan, Afzal & Akbar, 2000**

Amblyseius calidum Khan, Afzal & Akbar, 2000: 85.

Amblyseius calidum.—Khan, Ashfaq & Afzal, 2007: 124; Khan, Ashfaq & Hasan, 2011a: 223; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius carnis* Khan, Khan & Akbar, 1997**

Amblyseius carnis Khan, Khan & Akbar, 1997: 36.

Amblyseius carnis.—Khan & Ashfaq, 2008: 180; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius celsus* Khan, Khan & Akbar, 1997**

Amblyseius celsus Khan, Khan & Akbar, 1997: 37.

Amblyseius celsus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius curtus* Khan, Ashfaq & Afzal, 2007**

Amblyseius curtus Khan, Ashfaq & Afzal, 2007: 124.

Amblyseius curtus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius deductus* Chaudhri, Akbar & Rasool, 1979**

Amblyseius deductus Chaudhri, Akbar & Rasool, 1979: 72.

Amblyseius deductus.—Shahid, Siddiqui & Chaudhri, 1984: 86; Ahmad & Chaudhri, 1989: 49; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius diverto* Khan, Ashfaq, Hasan & Javed, 2010**

Amblyseius diverto Khan, Ashfaq, Hasan & Javed, 2010: 539.

Amblyseius diverto.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius excelsus* Chaudhri, Akbar & Rasool, 1979**

Amblyseius excelsus Chaudhri, Akbar & Rasool, 1979: 68.

Amblyseius excelsus.—Shahid, Siddiqui & Chaudhri, 1984: 86; Ahmad & Chaudhri, 1989: 48; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Amblyseius excellus.—Ahmad & Chaudhri, 1989: 49 (incorrect spelling).

***Amblyseius forfex* Khan, Khan & Akbar, 1997**

Amblyseius forfex Khan, Khan & Akbar, 1997: 42.

Amblyseius forfex.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius fuscus* Khan, Ashfaq & Afzal, 2007**

Amblyseius fuscus Khan, Ashfaq & Afzal, 2007: 123.

Amblyseius fuscus.—Khan & Ashfaq, 2008: 180; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius gleba* Kamran, Khan, Afzal & Iqbal, 2004**

Amblyseius gleba Kamran, Khan, Afzal & Iqbal, 2004: 71.

***Amblyseius glomeris* Khan & Ashfaq, 2005**

Amblyseius glomeris Khan & Ashfaq, 2005a: 61.

Amblyseius glomeris.—Khan, Ashfaq & Afzal, 2007: 124; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius gratus* Khan & Ashfaq, 2005**

Amblyseius gratus Khan & Ashfaq, 2005a: 62.

Amblyseius gratus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius hafeezi* Khan, Ashfaq & Hasan, 2011**

Amblyseius hafeezi Khan, Ashfaq & Hasan, 2011b: 228.

Amblyseius hafeezi.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius herbicolus* (Chant, 1959)**

Typhlodromus herbicolus Chant, 1959: 84.

Amblyseius herbicolus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Amblyseius impactus Chaudhri, 1968b: 553.

Amblyseius impactus.—Khan & Chaudhri, 1969: 53; Shahid, Siddiqui & Chaudhri, 1984: 86; Ahmad & Chaudhri, 1989: 49.

***Amblyseius humilis* Khan, Khan & Akbar, 1997**

Amblyseius humilis Khan, Khan & Akbar, 1997: 40.

Amblyseius humilis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius melicardus* Khan & Ashfaq, 2005**

Amblyseius melicardus Khan & Ashfaq, 2005b: 66.

Amblyseius melicardus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius nugator* Ahmad & Chaudhri, 1989**

Amblyseius nugator Ahmad & Chaudhri, 1989: 44.

Amblyseius nugator.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius obtusus* (Koch, 1839)**

Zercon obtusus Koch, 1839b: 13.

Amblyseius obtusus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Amblyseius bajulus Chaudhri, Akbar & Rasool, 1979: 70.

Amblyseius bajulus.—Shahid, Siddiqui & Chaudhri, 1984: 86; Ahmad & Chaudhri, 1989: 49.

***Amblyseius siddiqui* Khan & Chaudhri, 1969**

Amblyseius siddiqui Khan & Chaudhri, 1969: 56.

Amblyseius siddiqui.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius talpa* Khan & Ashfaq, 2008**

Amblyseius talpa Khan & Ashfaq, 2008: 179.

Amblyseius talpa.—Khan, Ashfaq, Hasan & Javed, 2010: 542; Khan, Ashfaq & Hasan, 2010: 400; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Amblyseius vagus* Khan, Ashfaq & Hasan, 2011**

Amblyseius vagus Khan, Ashfaq & Hasan, 2011a: 222.

Amblyseius vagus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Cydnoseius Muma*, 1967**

Cydnoseius Muma, 1967: 274.

***Cydnoseius negevi* (Swirski & Amitai, 1961)**

Typhlodromus negevi Swirski & Amitai, 1961: 194.

Cydnoseius negevi.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Cydnoseius cordiae Muma, 1967: 276.

Cydnoseius cordiae.—Kazimi & Ghani, 1969a: 159; Kazimi & Ghani, 1969b: Appendix I, ii.

Euseius Wainstein*, 1962

Typhlodromus (Euseius) Wainstein, 1962: 15.

***Euseius amabilis* Khan, Chaudhri & Khan, 1992**

Euseius amabilis Khan, Chaudhri & Khan, 1992: 41.

Euseius amabilis.—Parvez, Akbar & Chaudhri, 2000: 403; Qayyum, Akbar & Afzal, 2000: 246; Honey, Bashir, Khan & Shahid, 2015: 346; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius badius* Khan & Chaudhri, 1991**

Euseius badius Khan & Chaudhri, 1991a: 60.

Euseius badius.—Khan, Chaudhri & Khan, 1992: 41; Parvez, Akbar & Chaudhri, 2000: 403; Qayyum, Akbar & Afzal, 2000: 246; Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius caricus* (Afzal, Ali & Akbar, 2004)**

Amblyseius caricus Afzal, Ali & Akbar, 2004: 59*.

Euseius caricus.—Honey, Bashir, Khan & Shahid, 2015: 346; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius darghaiensis* (Shahid, Siddiqui & Chaudhri, 1984)**

Amblyseius darghaiensis Shahid, Siddiqui & Chaudhri, 1984: 91.

Amblyseius darghaiensis.—Ahmad & Chaudhri, 1989: 49.

Euseius darghaiensis.—Honey, Bashir, Khan & Shahid, 2015: 346; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius emotus* (Shahid, Siddiqui & Chaudhri, 1984)**

Amblyseius emotus Shahid, Siddiqui & Chaudhri, 1984: 92.

Amblyseius emotus.—Ahmad & Chaudhri, 1989: 49.

Euseius emotus.—Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius eremicus* (Chaudhri, Akbar & Rasool, 1979)**

Neoseiulus eremicus Chaudhri, Akbar & Rasool 1979: 83.

Neoseiulus eremicus.—Chaudhri & Akbar, 1985: 246; Ahmad & Chaudhri, 1988: 31; Raza, Afzal, Bashir & Kamran, 2009: 298.

Euseius eremicus.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius facundus* (Khan & Chaudhri, 1969)**

Amblyseius facundus Khan & Chaudhri, 1969: 57.

Euseius facundus.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius fidelus* Akbar, 1994**

Euseius fidelus Akbar, 1994: 47.

Euseius fidelus.—Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius finlandicus* (Oudemans, 1915)**

Seiulus finlandicus Oudemans, 1915: 183.

Amblyseius finlandicus.—Khan & Chaudhri, 1969: 53; Shahid, Siddiqui & Chaudhri, 1984: 86; Ahmad & Chaudhri, 1989: 49; Gupta, 1992: 157.

Euseius finlandicus.—Demitte, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius gestatus* Qayyum, Pervez & Afzal, 2004**

Euseius gestatus Qayyum, Pervez & Afzal, 2004: 146.

Euseius gestatus.—Honey, Bashir, Khan & Shahid, 2015: 346; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius grumus* Akbar, 1994**

Euseius grumus Akbar, 1994: 48.

Euseius grumus.—Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius insanus* (Khan & Chaudhri, 1969)**

Amblyseius insanus Khan & Chaudhri, 1969: 57.

Euseius insanus.—Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius latro* (Shahid, Siddiqui & Chaudhri, 1984)**

Amblyseius latro Shahid, Siddiqui & Chaudhri, 1984: 96.

Amblyseius latro.—Ahmad & Chaudhri, 1989: 49.

Euseius latro.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius lubricus* Parvez, Akbar & Chaudhri, 2000**

Euseius lubricus Parvez, Akbar & Chaudhri, 2000: 407.

Euseius lubricus.—Honey, Bashir, Khan & Shahid, 2015: 346; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius lucidus* Parvez, Akbar & Chaudhri, 2000**

Euseius lucidus Parvez, Akbar & Chaudhri, 2000: 404.

Euseius lucidus.—Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius mantissa* Qayyum, Akbar & Afzal, 2000**

Euseius mantissa Qayyum, Akbar & Afzal, 2000: 247.

***Euseius marmaros* (Kamran, Afzal, Akbar & Bashir, 2003)**

Amblyseius marmaros Kamran, Afzal, Akbar & Bashir, 2003: 6.

Euseius marmaros.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius mediocris* Chaudhri, Akbar & Rasool, 1979**

Euseius mediocris Chaudhri, Akbar & Rasool, 1979: 60.

Euseius mediocris.—Ahmad, Yasmin & Chaudhri, 1987: 101; Khan, Chaudhri & Khan, 1992: 41; Parvez, Akbar & Chaudhri, 2000: 404; Qayyum, Akbar & Afzal, 2000: 247; Honey, Bashir, Khan & Shahid, 2015: 346; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius nimbatus* Qayyum, Akbar & Afzal, 2000**

Euseius nimbatus Qayyum, Akbar & Afzal, 2000: 250.

***Euseius notabilis* Qayyum, Afzal & Ahmad, 2002**

Euseius notabilis Qayyum, Afzal & Ahmad, 2002: 137.

Euseius notabilis.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius notatus* (Chaudhri, 1968)**

Amblyseius notatus Chaudhri, 1968b: 555.

Amblyseius notatus.—Khan & Chaudhri, 1969: 53; Shahid, Siddiqui & Chaudhri, 1984: 86; Ahmad & Chaudhri, 1989: 49.

Euseius notatus.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius obtectus* Khan, Chaudhri & Khan, 1992**

Euseius obtectus Khan, Chaudhri & Khan, 1992: 43.

Euseius obtectus.—Parvez, Akbar & Chaudhri, 2000: 404; Qayyum, Akbar & Afzal, 2000: 246; Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius ochyros* (Kamran, Afzal, Akbar & Bashir, 2003)**

Amblyseius ochyros Kamran, Afzal, Akbar & Bashir, 2003: 5.

Euseius ochyros.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius odoratus* Khan & Chaudhri, 1991**

Euseius odoratus Khan & Chaudhri, 1991a: 59.

Euseius odoratus.—Khan, Chaudhri & Khan, 1992: 41; Parvez, Akbar & Chaudhri, 2000: 403; Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius omentum* Qayyum, Afzal & Ahmad, 2002**

Euseius omentum Qayyum, Afzal & Ahmad, 2002: 141.

Euseius omentum.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius orcula* Khan, Chaudhri & Khan, 1992**

Euseius orcula Khan, Chaudhri & Khan, 1992: 44.

Euseius orcula.—Parvez, Akbar & Chaudhri, 2000: 404; Qayyum, Akbar & Afzal, 2000: 246; Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius ornantus* Qayyum, Afzal & Ahmad, 2002**

Euseius ornantus Qayyum, Afzal & Ahmad, 2002: 141.

Euseius ornantus.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius pakistanensis* Honey, Bashir, Khan & Shahid, 2015**

Euseius pakistanensis Honey, Bashir, Khan & Shahid, 2015: 346.

Euseius pakistanensis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius petacis* Qayyum, Pervez, Akbar & Afzal, 2002**

Euseius petacis Qayyum, Pervez, Akbar & Afzal, 2002: 109.

Euseius petacis.—Bashir, Afzal & Ahmad, 2006: 59; Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius phrontis* Akbar, 1994**

Euseius phrontis Akbar, 1994: 49.

Euseius phrontis.—Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius plazo* Ahmad, Yasmin & Chaudhri, 1987**

Euseius plazo Ahmad, Yasmin & Chaudhri, 1987: 101.

Euseius plazo.—Khan, Chaudhri & Khan, 1992: 41; Parvez, Akbar & Chaudhri, 2000: 403; Qayyum, Akbar & Afzal, 2000: 246; Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius plenus* Qayyum, Pervez & Afzal, 2004**

Euseius plenus Qayyum, Pervez & Afzal, 2004: 147.

Euseius plenus.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius pluvia* Qayyum, Pervez, Akbar & Afzal, 2002**

Euseius pluvia Qayyum, Pervez, Akbar & Afzal, 2002: 111.

Euseius pluvia.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius rawalakotensis* (Khan, Afzal, M. & Bashir, 2007)**

Amblyseius rawalakotensis Khan, Afzal, M. & Bashir, 2007: 147.

Euseius rawalakotensis.—Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius relictus* Chaudhri, Akbar & Rasool, 1979**

Euseius relictus Chaudhri, Akbar & Rasool, 1979: 56.

Euseius relictus.—Ahmad, Yasmin & Chaudhri, 1987: 100; Khan, Chaudhri & Khan, 1992: 41; Khan & Chaudhri, 1991a: 60; Akbar, 1994: 50*; Parvez, Akbar & Chaudhri, 2000: 403; Qayyum, Akbar & Afzal, 2000: 246; Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius scutalis* (Athias-Henriot, 1958)**

Typhlodromus scutalis Athias-Henriot, 1958: 183.

Euseius scutalis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Typhlodromus delhiensis Narayanan & Kaur, 1960: 5.

Euseius delhiensis.—Muma, 1967: 267; Kazimi & Ghani, 1969a: 160; Kazimi & Ghani, 1969b: 5; Kazimi, 1972: 521.

Amblyseius delhiensis.—Zaman, 1990: 134.

***Euseius semotus* Ahmad, Yasmin & Chaudhri, 1987**

Euseius semotus Ahmad, Yasmin & Chaudhri, 1987: 107.

Euseius semotus.—Khan, Chaudhri & Khan, 1992: 41; Parvez, Akbar & Chaudhri, 2000: 403; Qayyum, Akbar & Afzal, 2000: 246; Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius septicus* Chaudhri, Akbar & Rasool, 1979**

Euseius septicus Chaudhri, Akbar & Rasool, 1979: 58.

Euseius septicus.—Akbar, 1994: 48; Ahmad, Yasmin & Chaudhri, 1987: 101; Khan, Chaudhri & Khan, 1992: 41; Parvez, Akbar & Chaudhri, 2000: 404; Qayyum, Akbar & Afzal, 2000: 247; Honey, Bashir, Khan & Shahid, 2015: 347; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius takhti* (Shahid, Siddiqui & Chaudhri, 1984)**

Amblyseius takhti Shahid, Siddiqui & Chaudhri, 1984: 86.

Amblyseius takhti.—Ahmad & Chaudhri, 1989: 49.

Euseius takhti.—Honey, Bashir, Khan & Shahid, 2015: 346; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius tamuri* Bashir, Afzal & Ahmad, 2006**

Euseius tamuri Bashir, Afzal & Ahmad, 2006: 58.

Euseius tamuri.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius terenos* Ahmad, Yasmin & Chaudhri, 1987**

Euseius terenos Ahmad, Yasmin & Chaudhri, 1987: 105.

Euseius terenos.—Khan & Chaudhri, 1991a: 61; Khan, Chaudhri & Khan, 1992: 41; Parvez, Akbar & Chaudhri, 2000: 403; Qayyum, Akbar & Afzal, 2000: 246; Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius vitrum* Ahmad, Yasmin & Chaudhri, 1987**

Euseius vitrum Ahmad, Yasmin & Chaudhri, 1987: 103.

Euseius vitrum.—Khan, Chaudhri & Khan, 1992: 41; Parvez, Akbar & Chaudhri, 2000: 403; Qayyum, Akbar & Afzal, 2000: 246; Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius vividus* Qayyum, Pervez & Afzal, 2004**

Euseius vividus Qayyum, Pervez & Afzal, 2004: 147.

Euseius vividus.—Honey, Bashir, Khan & Shahid, 2015: 344; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Euseius ziai* Parvez, Akbar & Chaudhri, 2000**

Euseius ziai Parvez, Akbar & Chaudhri, 2000: 404.

Euseius ziai.—Honey, Bashir, Khan & Shahid, 2015: 345; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Kuzinellus* Wainstein, 1976**

Kuzinellus Wainstein, 1976: 699.

***Kuzinellus adalesco* (Parvez & Chaudhri, 1996)**

Paraseiulus adalesco Parvez & Chaudhri, 1996: 23.

Kuzinellus adalesco.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus aditus* (Parvez, Chaudhri & Ashfaq, 1994)**

Paraseiulus aditus Parvez, Chaudhri & Ashfaq, 1994: 97.

Paraseiulus aditus.—Parvez & Chaudhri, 1996: 21; Parvez & Chaudhri, 2002: 138.

Kuzinellus aditus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus affinis* (Parvez & Chaudhri, 1996)**

Paraseiulus affinis Parvez & Chaudhri, 1996: 24.

Kuzinellus affinis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus ajmali* (Parvez & Chaudhri, 2002)**

Paraseiulus ajmali Parvez & Chaudhri, 2002: 138.

Kuzinellus ajmali.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus cardinis* (Parvez & Chaudhri, 1996)**

Paraseiulus cardinis Parvez & Chaudhri, 1996: 21.

Kuzinellus cardinis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus effundo* (Parvez & Chaudhri, 2002)**

Paraseiulus effundo Parvez & Chaudhri, 2002: 141.

Kuzinellus effundo.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus ignavus* (Chaudhri, Akbar & Rasool, 1974)**

Paraseiulus ignavus Chaudhri, Akbar & Rasool, 1974: 228.

Paraseiulus ignavis.—Parvez, Chaudhri & Ashfaq, 1994: 95; Parvez & Chaudhri, 1996: 21 (incorrect spelling).

Paraseiulus ignavus.—Parvez & Chaudhri, 2002: 137.

Kuzinellus ignavus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

Kuzinellus meritus* (Parvez, Chaudhri & Ashfaq, 1994)

Paraseiulus meritus Parvez, Chaudhri & Ashfaq, 1994: 98.

Paraseiulus maritus Parvez, Chaudhri & Ashfaq, 1994: 95; Parvez & Chaudhri, 1996: 21; Parvez & Chaudhri, 2002: 138 (incorrect spelling).

Paraseiulus meritus.—Parvez & Chaudhri, 2002: 138.

Kuzinellus meritus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus operantis* (Chaudhri, Akbar & Rasool, 1974)**

Paraseiulus operantis Chaudhri, Akbar & Rasool, 1974: 228.

Paraseiulus operantis.—Parvez, Chaudhri & Ashfaq, 1994: 95; Parvez & Chaudhri, 1996: 21; Parvez & Chaudhri, 2002: 138.

Kuzinellus operantis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus palitans* (Parvez & Chaudhri, 2002)**

Paraseiulus palitans Parvez & Chaudhri, 2002: 141.

Kuzinellus palitans.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus sarcina* (Parvez & Chaudhri, 2002)**

Paraseiulus sarcina Parvez & Chaudhri, 2002: 138.

Kuzinellus sarcina.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus sursum* (Parvez, Chaudhri & Ashfaq, 1994)**

Paraseiulus sursum Parvez, Chaudhri & Ashfaq, 1994: 95.

Paraseiulus sursum.—Parvez & Chaudhri, 1996: 21; Parvez & Chaudhri, 2002: 137.

Kuzinellus sursum.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Kuzinellus vitreus* (Chaudhri, Akbar & Rasool, 1974)**

Paraseiulus vitreus Chaudhri, Akbar & Rasool, 1974: 226.

Paraseiulus vitreus.—Parvez, Chaudhri & Ashfaq, 1994: 95; Parvez & Chaudhri, 1996: 21.

Kuzinellus vitreus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Kamran, Basahih & Alatawi, 2017: 550.

***Neoseiulella* Muma, 1961**

Neoseiulella Muma, 1961: 295.

***Neoseiulella vollsella* (Chaudhri, Akbar & Rasool, 1974)**

Typhloctonus vollsella Chaudhri, Akbar & Rasool, 1974: 231.

Neoseiulella vollsella.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Neoseiulus* Hughes, 1948

Neoseiulus Hughes, 1948b: 141.

Denmarkia Chaudhri, Akbar & Rasool, 1979: 46.

Amathia Chaudhri, Akbar & Rasool, 1979: 48.

Kashmerius Chaudhri, Akbar & Rasool, 1979: 66.

***Neoseiulus balios* (Shahid, Siddiqui & Chaudhri, 1984)**

Amblyseiulus balios Shahid, Siddiqui & Chaudhri, 1984: 89.

Amblyseiulus balios.—Ahmad & Chaudhri, 1989: 49; Kamran, Afzal, Akbar & Bashir, 2003: 6; Afzal, Ali & Akbar, 2004: 60; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus barkeri* Hughes, 1948**

Neoseiulus barkeri Hughes, 1948b: 141.

Neoseiulus barkeri.—Hughes, 1976: 343; Bashir, Honey, Khan & Afzal, 2015: 162; Demite, Moraes, McMurtry, Denmark & Castilho, 2016; Zahid, Bashir, Khan & Shahid, 2017: 164.

***Neoseiulus bheraensis* Chaudhri, Akbar & Rasool, 1979**

Neoseiulus bheraensis Chaudhri, Akbar & Rasool, 1979: 76.

Neoseiulus bheraensis.—Chaudhri & Akbar, 1985: 245; Ahmad & Chaudhri, 1988: 31; Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus caruncula* Chaudhri, Akbar & Rasool, 1979**

Neoseiulus caruncula Chaudhri, Akbar & Rasool, 1979: 83.

Neoseiulus caruncula.—Chaudhri & Akbar, 1985: 246; Ahmad & Chaudhri, 1988: 31; Bashir, Afzal & Ahmad, 2006: 58; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus chaudhrii* Chant & McMurtry, 2003**

Kashmerius reductus Chaudhri, Akbar & Rasool, 1979: 66 (junior homonym).

Neoseiulus chaudhrii Chant & McMurtry, 2003: 21 (replacement name).

Neoseiulus chaudhrii.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus congenitus* Chaudhri & Akbar, 1985**

Neoseiulus congenitus Chaudhri & Akbar, 1985: 247.

Neoseiulus congenitus.—Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus consobrinus* Chaudhri & Akbar, 1985**

Neoseiulus consobrinus Chaudhri & Akbar, 1985: 246.

Neoseiulus consobrinus.—Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus copiosus* Khan & Chaudhri, 1991**

Neoseiulus copiosus Khan & Chaudhri, 1991b: 77.

Neoseiulus copiosus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus depilo* Khan, Chaudhri & Khan, 1990**

Neoseiulus depilo Khan, Chaudhri & Khan, 1990c: 71.

Neoseiulus depilo.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus disparis* (Chaudhri, Akbar & Rasool, 1979)**

Denmarkia disparis Chaudhri, Akbar & Rasool, 1979: 46.

Neoseiulus disparis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus draconis* (Chaudhri, Akbar & Rasool, 1979)**

Typhlodromips draconis Chaudhri, Akbar & Rasool, 1979: 74.

Neoseiulus draconis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus ghanii* (Muma, 1967)**

Cydnodromus ghanii Muma, 1967: 274.

Cydnodromus ghanii.—Kazimi & Ghani, 1969b: Appendix I, ii.

Neoseiulus ghanii.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus hadiae* Raza, Afzal, Bashir & Kamran, 2009**

Neoseiulus hadiae Raza, Afzal, Bashir & Kamran, 2009: 300.

Neoseiulus hadiae.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus inculatus* (Shahid, Siddiqui & Chaudhri, 1984)**

Amblyseius inculatus Shahid, Siddiqui & Chaudhri, 1984: 94.

Amblyseius inculatus.—Ahmad & Chaudhri, 1989: 46.

Amblyseius inoculatus.—Ahmad & Chaudhri, 1989: 49 (incorrect spelling).

Neoseiulus inculatus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus kamalensis* Bashir, Afzal & Ahmad, 2006**

Neoseiulus kamalensis Bashir, Afzal & Ahmad, 2006: 57.

Neoseiulus kamalensis.—Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus laesus* Khan & Chaudhri, 1991**

Neoseiulus laesus Khan & Chaudhri, 1991b: 76.

Neoseiulus laesus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus longispinosus* (Evans, 1952)**

Typhlodromus longispinosus Evans, 1952b: 413.

Neoseiulus longispinosus.—Chaudhri, Akbar & Rasool, 1979: 78; Chaudhri & Akbar, 1985: 245; Ahmad & Chaudhri, 1988: 31 (incorrect spelling).

Neoseiulus longispinosus.—Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus mergentis* Ahmad & Chaudhri, 1988**

Neoseiulus mergentis Ahmad & Chaudhri, 1988: 33.

Neoseiulus mergentis.—Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus myrtea* Chaudhri, Akbar & Rasool, 1979**

Neoseiulus myrtea Chaudhri, Akbar & Rasool, 1979: 81.

Neoseiulus myrtea.—Chaudhri & Akbar, 1985: 245; Ahmad & Chaudhri, 1988: 31; Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus nidus* (Shahid, Siddiqui & Chaudhri, 1984)**

Amblyseius nidus Shahid, Siddiqui & Chaudhri, 1984: 97.

Amblyseius nidus.—Ahmad & Chaudhri, 1989: 49; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus opimia* (Shahid, Siddiqui & Chaudhri, 1984)**

Amblyseius opimia Shahid, Siddiqui & Chaudhri, 1984: 99.

Amblyseius opimia.—Ahmad & Chaudhri, 1989: 49; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus orobos* Ahmad & Chaudhri, 1988**

Neoseiulus orobos Ahmad & Chaudhri, 1988: 34.

Neoseiulus orobos.—Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus ostium* Khan, Chaudhri & Khan, 1990**

Neoseiulus ostium Khan, Chaudhri & Khan, 1990c: 69.

Neoseiulus ostium.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus paspalivorus* (De Leon, 1957)**

Typhlodromus paspalivorus De Leon, 1957: 143.

Neoseiulus paspalivorus.—Bashir, Honey, Khan & Afzal, 2015: 162; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus perfectus* (Chaudhri, 1968)**

Amblyseius perfectus Chaudhri, 1968b: 555.

Amblyseius perfectus.—Khan & Chaudhri, 1969: 53; Shahid, Siddiqui & Chaudhri, 1984: 84; Ahmad & Chaudhri, 1989: 49.

Neoseiulus perfectus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus placitus* (Khan & Chaudhri, 1969)**

Amblyseius placitus Khan & Chaudhri, 1969: 58.

Neoseiulus placitus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus rancidus* (Chaudhri, Akbar & Rasool, 1979)**

Amathia rancidus Chaudhri, Akbar & Rasool, 1979: 48.

Neoseiulus rancidus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus sospesitis* (Khan & Chaudhri, 1969)**

Amblyseius sospesitis Khan & Chaudhri, 1969: 59.

Neoseiulus sospesitis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus spuma* Ahmad & Chaudhri, 1988**

Neoseiulus spuma Ahmad & Chaudhri, 1988: 37.

Neoseiulus spuma.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus stolidus* (Chaudhri, 1968)**

Amblyseius stolidus Chaudhri, 1968b: 558.

Amblyseius stolidus.—Khan & Chaudhri, 1969: 56; Shahid, Siddiqui & Chaudhri, 1984: 85; Ahmad & Chaudhri, 1989: 49.

Neoseiulus stolidus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus tabularis* Chaudhri, Akbar & Rasool, 1979**

Neoseiulus tabularis Chaudhri, Akbar & Rasool, 1979: 78.

Neoseiulus tabularis.—Chaudhri & Akbar, 1985: 245; Ahmad & Chaudhri, 1988: 30; Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus tainia* Ahmad & Chaudhri, 1988**

Neoseiulus tainia Ahmad & Chaudhri, 1988: 36.

Neoseiulus tainia.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus tardus* Khan & Chaudhri, 1991**

Neoseiulus tardus Khan & Chaudhri, 1991b: 79.

Neoseiulus tardus.—Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus turpis* Ahmad & Chaudhri, 1988**

Neoseiulus turpis Ahmad & Chaudhri, 1988: 31.

Neoseiulus turpis.—Raza, Afzal, Bashir & Kamran, 2009: 298; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus uvidus* (Shahid, Siddiqui & Chaudhri, 1984)**

Amblyseius uvidus Shahid, Siddiqui & Chaudhri, 1984: 88.

Amblyseius uvidus.—Ahmad & Chaudhri, 1989: 49; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus vehementis* (Khan & Chaudhri, 1969)**

Amblyseius vehementis Khan & Chaudhri, 1969: 59.

Neoseiulus vehementis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Neoseiulus venustus* (Chaudhri, 1968)**

Amblyseius venustus Chaudhri, 1968b: 560.

Amblyseius venustus.—Khan & Chaudhri, 1969: 56; Ahmad & Chaudhri, 1989: 49.

Neoseiulus venustus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Paragigagnathus Amitai & Grinberg, 1971

Paragigagnathus Amitai & Grinberg, 1971: 327.

Ansaria Chaudhri, Akbar & Rasool, 1979: 63.

***Paragigagnathus amantis* (Chaudhri, Akbar & Rasool, 1979)**

Ansaria amantis Chaudhri, Akbar & Rasool, 1979: 63.

Paragigagnathus amantis.—Honey, Bashir, Khan & Shahid, 2015: 451; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Paraphytoseius* Swirski & Shechter, 1961**

Paraphytoseius Swirski & Shechter, 1961: 113.

***Paraphytoseius orientalis* (Narayanan, Kaur & Ghai, 1960)**

Typhlodromus orientalis Narayanan, Kaur & Ghai, 1960: 394.

Paraphytoseius orientalis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Paraphytoseius multidentatus Swirski & Shechter, 1961: 114.

Paraphytoseius multidentatus.—Chaudhri, Akbar & Rasool, 1979: 23.

Amblyseius multidentatus.—Gupta, 1992: 163.

***Paraphytoseius parabilis* (Chaudhri, 1967)**

Amblyseius parabilis Chaudhri, 1967: 266.

Paraphytoseius parabilis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseiulus* Evans, 1952**

Phytoseiulus Evans, 1952a: 397.

***Phytoseiulus persimilis* Athias-Henriot, 1957**

Phytoseiulus persimilis Athias-Henriot, 1957: 347.

Phytoseiulus persimilis.—Ahmed, Khan, Bashir, Farooq, Ghaffar & Shahid, 2015: 358; Maula & Khan, 2015: 155;
Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Phytoseius* Ribaga, 1902

Phytoseius Ribaga, 1902: 177.

***Phytoseius abruptus* Afzal, Bashir & Sabri, 2005**

Phytoseius abruptus Afzal, Bashir & Sabri, 2005: 79.

Phytoseius abruptus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius adornatus* Afzal, Bashir & Raza, 2006**

Phytoseius adornatus Afzal, Bashir & Raza, 2006: 35.

Phytoseius adornatus.—Afzal, Bashir, Akbar, Kamran & Raza, 2010: 717; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius bimeros* Afzal, Bashir & Sabri, 2005**

Phytoseius bimeros Afzal, Bashir & Sabri, 2005: 77.

Phytoseius bimeros.—Afzal, Bashir & Raza, 2006: 36; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius corniger* Wainstein, 1959**

Phytoseius corniger Wainstein, 1959: 1362.

Phytoseius corniger.—Muma, 1967: 267; Kazimi & Ghani, 1969a: 159; Kazimi & Ghani, 1969b: Appendix I, ii;
Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius curvatus* Chaudhri, 1973**

Phytoseius curvatus Chaudhri, 1973: 79.

Phytoseius curvatus.—Chaudhri, Akbar & Rasool, 1979: 12; Shahid, Siddiqui & Chaudhri, 1982: 47; Khan,
Chaudhri & Khan, 1990a: 72; Afzal, Akbar & Qayyum, 2005: 247; Demite, Moraes, McMurtry,
Denmark & Castilho, 2016.

***Phytoseius deima* Afzal & Akbar, 2005**

Phytoseius deima Afzal & Akbar, 2005: 254.

Phytoseius deima.—Afzal, Bashir, Akbar & Khan, 2006: 74; Demite, Moraes, McMurtry, Denmark & Castilho,
2016.

Phytoseius diema.—Afzal, Bashir & Sabri, 2005: 79 (incorrect spelling).

Phytoseius diverto* Afzal, Bashir, Raza & Kamran, 2010

Phytoseius diverto Afzal, Bashir, Raza & Kamran, 2010: 721.

Phytoseius diverto.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius effundo* Khan, Chaudhri & Khan, 1990**

Phytoseius effundo Khan, Chaudhri & Khan, 1990b: 58.

Phytoseius effundo.—Afzal, Bashir & Akbar, 2004: 39; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius erema* Afzal, Bashir, Akbar, Kamran & Raza, 2010**

Phytoseius erema Afzal, Bashir, Akbar, Kamran & Raza, 2010: 716.

Phytoseius erema.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius ferax* Afzal, Akbar & Qayyum, 2000**

Phytoseius ferax Afzal, Akbar & Qayyum, 2000a: 251.

Phytoseius ferax.—Afzal, Bashir, Raza & Kamran, 2010: 721; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius flagrum* Shahid, Siddiqui & Chaudhri, 1982**

Phytoseius flagrum Shahid, Siddiqui & Chaudhri, 1982: 50.

Phytoseius flagrum.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius gleba* Afzal, Bashir & Khan, 2008**

Phytoseius gleba Afzal, Bashir & Khan, 2008: 94.

Phytoseius gleba.—Afzal, Bashir, Raza & Kamran, 2010: 721; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius glyptos* Afzal, Bashir, Akbar & Khan, 2006**

Phytoseius glyptos Afzal, Bashir, Akbar & Khan, 2006: 72.

Phytoseius glyptos.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius hornus* Shahid, Siddiqui & Chaudhri, 1982**

Phytoseius hornus Shahid, Siddiqui & Chaudhri, 1982: 51.

Phytoseius hornus.—Afzal, Bashir & Raza, 2006: 36; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius intermedius* Evans & MacFarlane, 1962**

Phytoseius intermedius Evans & MacFarlane, 1962: 588.

Phytoseius intermedius.—Muma, 1967: 267; Kazimi & Ghani, 1969a: 159; Kazimi & Ghani, 1969b: Appendix I, ii; Gupta, 1992: 174; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius kallion* Afzal & Akbar, 2005**

Phytoseius kallion Afzal & Akbar, 2005: 253.

Phytoseius kallion.—Afzal & Bashir, 2007: 142; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius lapis* Afzal, Akbar & Qayyum, 2005**

Phytoseius lapis Afzal, Akbar & Qayyum, 2005: 249.

Phytoseius lapis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius lyma* Shahid, Siddiqui & Chaudhri, 1982**

Phytoseius lyma Shahid, Siddiqui & Chaudhri, 1982: 48.

Phytoseius lyma.—Khan, Chaudhri & Khan, 1990a: 72; Afzal, Akbar & Qayyum, 2005: 247; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius mancus* Afzal, Akbar & Qayyum, 2000**

Phytoseius mancus Afzal, Akbar & Qayyum, 2000a: 253.

Phytoseius mancus.—Afzal, Bashir, Raza & Kamran, 2010: 722; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius mansehraensis* Chaudhri, 1973**

Phytoseius mansehraensis Chaudhri, 1973: 85.

Phytoseius mansehraensis.—Chaudhri, Akbar & Rasool, 1979: 19; Shahid, Siddiqui & Chaudhri, 1982: 48; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius mixtus* Chaudhri, 1973**

Phytoseius mixtus Chaudhri, 1973: 83.

Phytoseius mixtus.—Chaudhri, Akbar & Rasool, 1979: 19; Shahid, Siddiqui & Chaudhri, 1982: 48; Afzal & Akbar, 2005: 254; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius olbios* Afzal, Akbar & Qayyum, 2000**

Phytoseius olbios Afzal, Akbar & Qayyum, 2000b: 267.

Phytoseius olbios.—Afzal, Akbar & Qayyum, 2005: 248; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius pactus* Afzal, Bashir, Raza & Kamran, 2010**

Phytoseius pactus Afzal, Bashir, Raza & Kamran, 2010: 720.

Phytoseius pactus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius petentis* Chaudhri, Akbar & Rasool, 1979**

Phytoseius petentis Chaudhri, Akbar & Rasool, 1979: 16.

Phytoseius petentis.—Shahid, Siddiqui & Chaudhri, 1982: 48; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius phenax* Afzal, Akbar & Qayyum, 2000**

Phytoseius phenax Afzal, Akbar & Qayyum, 2000b: 269.

Phytoseius phenax.—Afzal, Akbar & Qayyum, 2005: 248; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius privus* Afzal, Bashir & Akbar, 2004**

Phytoseius privus Afzal, Bashir & Akbar, 2004: 37.

Phytoseius privus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius roseus* Gupta, 1969**

Phytoseius roseus Gupta, 1969: 119.

Phytoseius roseus.—Gupta, 1992: 175; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Phytoseius rugulosus Chaudhri, 1973: 82.

Phytoseius rugulosus.—Chaudhri, Akbar & Rasool, 1979: 16; Shahid, Siddiqui & Chaudhri, 1982: 48.

***Phytoseius rufidulus* Afzal, Akbar & Qayyum, 2005**

Phytoseius rufidulus Afzal, Akbar & Qayyum, 2005: 249.

Phytoseius rufidulus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius rugosus* Denmark, 1966**

Phytoseius rugosus Denmark, 1966: 100.

Phytoseius rugosus.—Muma, 1967: 267; Kazimi & Ghani, 1969a: 161; Kazimi & Ghani, 1969b: Appendix I, ii; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius seggilis* Afzal & Bashir, 2007**

Phytoseius seggilis Afzal & Bashir, 2007: 141.

Phytoseius seggilis.—Afzal, Bashir & Khan, 2008: 94; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius spathulatus* Chaudhri, 1973**

Phytoseius spathulatus Chaudhri, 1973: 80.

Phytoseius spathulatus.—Chaudhri, Akbar & Rasool, 1979: 14; Shahid, Siddiqui & Chaudhri, 1982: 48; Afzal, Bashir & Sabri, 2005: 79; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Phytoseius spatulatus.—Khan, Chaudhri & Khan, 1990b: 59 (incorrect spelling).

***Phytoseius statos* Afzal, Bashir & Akbar, 2004**

Phytoseius statos Afzal, Bashir & Akbar, 2004: 38.

Phytoseius statos.—Afzal, Bashir, Raza & Kamran, 2010: 722; Afzal, Bashir, Akbar, Kamran & Raza, 2010: 717; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius terebra* Afzal & Bashir, 2007**

Phytoseius terebra Afzal & Bashir, 2007: 142.

Phytoseius terebra.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius tophus* Khan, Chaudhri & Khan, 1990**

Phytoseius tophus Khan, Chaudhri & Khan, 1990b: 57.

Phytoseius tophus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius venator* Khan, Chaudhri & Khan, 1990**

Phytoseius venator Khan, Chaudhri & Khan, 1990a: 72.

Phytoseius venator.—Afzal, Akbar & Qayyum, 2005: 248; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Phytoseius votus* Afzal, Akbar & Qayyum, 2005**

Phytoseius votus Afzal, Akbar & Qayyum, 2005: 248.

Phytoseius votus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Propriozeiopsis* Muma, 1961**

Propriozeiopsis Muma, 1961: 277.

***Propriozeiopsis beatus* (Chaudhri, 1968)**

Amblyseius beatus Chaudhri, 1968b: 551.

Amblyseius beatus.—Khan & Chaudhri, 1969: 53; Shahid, Siddiqui & Chaudhri, 1984: 84; Ahmad & Chaudhri, 1989: 49.

Propriozeiopsis beatus.—Chaudhri, Akbar & Rasool, 1979: 52; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Propriozeiopsis bulga* Chaudhri, Akbar & Rasool, 1979**

Propriozeiopsis bulga Chaudhri, Akbar & Rasool, 1979: 50.

Propriozeiopsis bulga.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Propriozeiopsis dentatus* Chaudhri, Akbar & Rasool, 1979**

Propriozeiopsis dentatus Chaudhri, Akbar & Rasool, 1979: 52.

Propriozeiopsis dentatus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Transeius* Chant & McMurtry, 2004**

Transeius Chant & McMurtry, 2004: 181.

***Transeius dolium* (Khan & Ashfaq, 2005)**

Amblyseius dolium Khan & Ashfaq, 2005b: 65.

Amblyseius dolium.—Khan, Ashfaq & Hasan, 2010: 399; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus* Scheuten, 1857**

Typhlodromus Scheuten, 1857: 111.

Amblydromella Muma, 1961: 294.

***Typhlodromus abelmoschus* (Raza, Afzal, Bashir & Kamran, 2009)**

Neoseiulus abelmoschus Raza, Afzal, Bashir & Kamran, 2009: 299.

Typhlodromus abelmoschus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus agilis* (Chaudhri, 1975)**

Orientiseius agilis Chaudhri, 1975c: 189.

Orientiseius agilis.—Chaudhri, Akbar & Rasool, 1979: 45; Chaudhri & Akbar, 1985: 253.

Typhlodromus agilis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus balakotiensis* (Chaudhri, Akbar & Rasool, 1974)**

Amblydromella balakotiensis Chaudhri, Akbar & Rasool, 1974: 224.

Amblydromella balakotiensis.—Chaudhri, Akbar & Rasool, 1979: 26; Shahid, Siddiqui & Chaudhri, 1983: 23;

Chaudhri & Akbar, 1985: 238; Ahmad, Chaudhri & Akbar, 1992: 26; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus balakotiensis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus canaster* (Shahid, Siddiqui & Chaudhri, 1983)**

Amblydromella canaster Shahid, Siddiqui & Chaudhri, 1983: 28.

Amblydromella canaster.—Ahmad, Chaudhri & Akbar, 1993: 23; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Amblydromella canater.—Chaudhri & Akbar, 1985: 239 (incorrect spelling).

***Typhlodromus caudex* (Ahmad, Chaudhri & Akbar, 1992)**

Amblydromella caudex Ahmad, Chaudhri & Akbar, 1992: 18.

Amblydromella caudex.—Ahmad, Chaudhri & Akbar, 1993: 22.

***Typhlodromus chashmaensis* (Shahid, Siddiqui & Chaudhri, 1983)**

Amblydromella chashmaensis Shahid, Siddiqui & Chaudhri, 1983: 30.

Amblydromella chashmaensis.—Chaudhri & Akbar, 1985: 240; Ahmad, Chaudhri & Akbar, 1993: 21.

Typhlodromus chashmaensis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus chitraliensis* (Chaudhri & Akbar, 1985)**

Orientiseius chitraliensis Chaudhri & Akbar, 1985: 253.

Typhlodromus chitraliensis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Typhlodromus curtus* (Ahmad, Chaudhri & Akbar, 1993)

Amblydromella curtus Ahmad, Chaudhri & Akbar, 1993: 23.

***Typhlodromus dactylifera* (Chaudhri, Akbar & Rasool, 1974)**

Amblydromella dactylifera Chaudhri, Akbar & Rasool, 1974: 212.

Amblydromella dactylifera.—Chaudhri, Akbar & Rasool, 1979: 27; Shahid, Siddiqui & Chaudhri, 1983: 25;

Chaudhri & Akbar, 1985: 242; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus dactylifera.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus divergentis* (Chaudhri, Akbar & Rasool, 1974)**

Amblydromella divergentis Chaudhri, Akbar & Rasool, 1974: 217.

Amblydromella divergentis.—Chaudhri, Akbar & Rasool, 1979: 26; Shahid, Siddiqui & Chaudhri, 1983: 23;

Chaudhri & Akbar, 1985: 241; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus divergentis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus erema* (Ahmad, Chaudhri & Akbar, 1992)**

Amblydromella erema Ahmad, Chaudhri & Akbar, 1992: 18.

Amblydromella erema.—Ahmad, Chaudhri & Akbar, 1993: 22.

***Typhlodromus eremitidis* (Chaudhri, Akbar & Rasool, 1974)**

Amblydromella eremitidis Chaudhri, Akbar & Rasool, 1974: 212.

Amblydromella eremitidis.—Chaudhri, Akbar & Rasool, 1979: 27; Shahid, Siddiqui & Chaudhri, 1983: 24; Chaudhri & Akbar, 1985: 239; Ahmad, Chaudhri & Akbar, 1993: 21.

Typhlodromus eremitidis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus fivoris* (Ahmad, Chaudhri & Akbar, 1993)**

Amblydromella fivoris Ahmad, Chaudhri & Akbar, 1993: 24.

***Typhlodromus fleschneri* Chant, 1960**

Typhlodromus fleschneri Chant, 1960: 60.

Typhlodromus fleschneri.—Kazimi & Ghani, 1969b: Appendix I, ii; Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus galummatus* (Chaudhri, Akbar & Rasool, 1974)**

Amblydromella galummatus Chaudhri, Akbar & Rasool, 1974: 217.

Amblydromella galummatus.—Shahid, Siddiqui & Chaudhri, 1983: 25; Ahmad, Chaudhri & Akbar, 1993: 21.

Typhlodromus galummatus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Amblydromella galumatus.—Chaudhri & Akbar, 1985: 240; Chaudhri, Akbar & Rasool, 1979: 27 (incorrect spelling).

***Typhlodromus ghanii* (Muma, 1967)**

Amblydromella ghanii Muma, 1967: 279.

Amblydromella ghanii.—Kazimi & Ghani, 1969a: 159; Kazimi & Ghani, 1969b: 5.

Typhlodromus ghanii.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus hadii* Chaudhri, 1965**

Typhlodromus hadii Chaudhri, 1965: 632.

Amblydromella hadii.—Muma, 1967: 267; Kazimi & Ghani, 1969a: 160; Kazimi & Ghani, 1969b: Appendix I, ii.

Orientiseius hadii.—Chaudhri, 1975c: 185; Chaudhri, Akbar & Rasool, 1979: 41; Chaudhri & Akbar, 1985: 253.

Typhlodromus hadii.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus homalii* Gupta, 1970**

Typhlodromus homalii Gupta, 1970: 188.

Typhlodromus homalii.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Amblydromella plebeius Chaudhri, Akbar & Rasool, 1974: 209.

Amblydromella plebeius.—Chaudhri, Akbar & Rasool, 1979: 27.

Amblydromella plebius.—Shahid, Siddiqui & Chaudhri, 1983: 25; Chaudhri & Akbar, 1985: 241; Ahmad, Chaudhri & Akbar, 1992: 18; Ahmad, Chaudhri & Akbar, 1993: 22 (incorrect spelling).

***Typhlodromus husaini* Khan, 1970**

Typhlodromus husaini Khan, 1970a: 276.

Typhlodromus (?) *husaini*.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus illotus* (Ahmad, Chaudhri & Akbar, 1992)**

Amblydromella illotus Ahmad, Chaudhri & Akbar, 1992: 21.

Amblydromella illotus.—Ahmad, Chaudhri & Akbar, 1993: 22.

***Typhlodromus incasus* (Chaudhri, 1975)**

Amblydromella incasus Chaudhri, 1975a: 206.

Amblydromella incasus.—Chaudhri, Akbar & Rasool, 1979: 36; Shahid, Siddiqui & Chaudhri, 1983: 25; Chaudhri & Akbar, 1985: 240; Ahmad, Chaudhri & Akbar, 1992: 18; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus incasus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus kalashiensis* (Shahid, Siddiqui & Chaudhri, 1983)**

Amblydromella kalashiensis Shahid, Siddiqui & Chaudhri, 1983: 31.

Amblydromella kalashiensis.—Chaudhri & Akbar, 1985: 240; Ahmad, Chaudhri & Akbar, 1993: 21.

Typhlodromus kalashiensis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus lalazariensis* (Chaudhri, 1975)**

Orientiseius lalazariensis Chaudhri, 1975c: 187.

Orientiseius lalazariensis.—Chaudhri, Akbar & Rasool, 1979: 43; Chaudhri & Akbar, 1985: 253.

Typhlodromus lalazariensis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus libitus* (Chaudhri, 1975)**

Amblydromella libitus Chaudhri, 1975a: 212.

Amblydromella libitus.—Chaudhri, Akbar & Rasool, 1979: 29; Shahid, Siddiqui & Chaudhri, 1983: 24; Chaudhri & Akbar, 1985: 239; Ahmad, Chaudhri & Akbar, 1993: 24.

Typhlodromus libitus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus limitatus* (Chaudhri, Akbar & Rasool, 1979)**

Amblydromella limitatus Chaudhri, Akbar & Rasool, 1979: 35.

Amblydromella limitatus.—Chaudhri & Akbar, 1985: 240; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus limitatus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus loralaiiana* (Muma, 1967)**

Amblydromella loralaiiana Muma, 1967: 278.

Amblydromella loralaiiana.—Kazimi & Ghani, 1969a: 160; Kazimi & Ghani, 1969b: 5.

Typhlodromus loralaiiana.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus maracus* (Chaudhri, 1975)**

Amblydromella maracus Chaudhri, 1975a: 208.

Amblydromella maracus.—Chaudhri, Akbar & Rasool, 1979: 36; Shahid, Siddiqui & Chaudhri, 1983: 25; Chaudhri & Akbar, 1985: 240; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus maracus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus mardaniensis* (Shahid, Siddiqui & Chaudhri, 1983)**

Amblydromella mardaniensis Shahid, Siddiqui & Chaudhri, 1983: 33.

Amblydromella mardaniensis.—Chaudhri & Akbar, 1985: 240; Ahmad, Chaudhri & Akbar, 1993: 21.

Typhlodromus mardaniensis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus micans* (Ahmad, Chaudhri & Akbar, 1993)**

Amblydromella micans Ahmad, Chaudhri & Akbar, 1993: 26.

***Typhlodromus octavus* (Chaudhri, Akbar & Rasool, 1974)**

Amblydromella octavus Chaudhri, Akbar & Rasool, 1974: 221.

Amblydromella octavus.—Chaudhri, Akbar & Rasool, 1979: 27; Shahid, Siddiqui & Chaudhri, 1983: 24; Chaudhri & Akbar, 1985: 239; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus octavus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus opacatus* (Ahmad, Chaudhri & Akbar, 1993)**

Amblydromella opacatus Ahmad, Chaudhri & Akbar, 1993: 29.

***Typhlodromus ornatulus* (Chaudhri, 1975)**

Amblydromella ornatulus Chaudhri, 1975a: 210.

Amblydromella ornatulus.—Chaudhri, Akbar & Rasool, 1979: 29; Shahid, Siddiqui & Chaudhri, 1983: 24; Chaudhri & Akbar, 1985: 239; Ahmad, Chaudhri & Akbar, 1993: 24.

Typhlodromus ornatulus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus pedion* (Ahmad, Chaudhri & Akbar, 1992)**

Amblydromella pedion Ahmad, Chaudhri & Akbar, 1992: 21.

Amblydromella pedion.—Ahmad, Chaudhri & Akbar, 1993: 22.

***Typhlodromus pellionis* (Ahmad, Chaudhri & Akbar, 1993)**

Amblydromella pellionis Ahmad, Chaudhri & Akbar, 1993: 26.

***Typhlodromus rickeri* Chant, 1960**

Typhlodromus rickeri Chant, 1960: 62.

Orientiseius rickeri.—Chaudhri, 1975c: 185; Chaudhri, Akbar & Rasool, 1979: 41; Chaudhri & Akbar, 1985: 253.

Typhlodromus rickeri.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

Typhlodromus rricula* (Ahmad, Chaudhri & Akbar, 1993)

Amblydromella rricula Ahmad, Chaudhri & Akbar, 1993: 27.

***Typhlodromus samliensis* (Chaudhri, 1975)**

Orientiseius samliensis Chaudhri, 1975c: 185.

Orientiseius samliensis.—Chaudhri, Akbar & Rasool, 1979: 41; Chaudhri & Akbar, 1985: 253.

Typhlodromus samliensis.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus sanitas* (Ahmad, Chaudhri & Akbar, 1992)**

Amblydromella sanitas Ahmad, Chaudhri & Akbar, 1992: 26.

Amblydromella sanitas.—Ahmad, Chaudhri & Akbar, 1993: 22.

***Typhlodromus serratus* (Chaudhri, 1975)**

Amblydromella serratus Chaudhri, 1975a: 204.

Amblydromella serratus.—Chaudhri, Akbar & Rasool, 1979: 35; Shahid, Siddiqui & Chaudhri, 1983: 25; Chaudhri & Akbar, 1985: 240; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus serratus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus sica* (Chaudhri, Akbar & Rasool, 1974)**

Amblydromella sica Chaudhri, Akbar & Rasool, 221.

Amblydromella sica.—Chaudhri, Akbar & Rasool, 1979: 26; Shahid, Siddiqui & Chaudhri, 1983: 23; Chaudhri & Akbar, 1985: 238; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus sica.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus soporis* (Ahmad, Chaudhri & Akbar, 1993)**

Amblydromella soporis Ahmad, Chaudhri & Akbar, 1993: 30.

***Typhlodromus teramon* (Shahid, Siddiqui & Chaudhri, 1983)**

Amblydromella teramon Shahid, Siddiqui & Chaudhri, 1983: 25.

Amblydromella teramon.—Chaudhri & Akbar, 1985: 239; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus teramon.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus tyrannus* (Ahmad, Chaudhri & Akbar, 1992)**

Amblydromella tyrannus Ahmad, Chaudhri & Akbar, 1992: 24.

Amblydromella tyrannus.—Ahmad, Chaudhri & Akbar, 1993: 22.

***Typhlodromus umbratus* (Chaudhri, Akbar & Rasool, 1974)**

Amblydromella umbratus Chaudhri, Akbar & Rasool, 1974: 215.

Amblydromella umbratus.—Chaudhri, Akbar & Rasool, 1979: 27; Shahid, Siddiqui & Chaudhri, 1983: 25; Chaudhri & Akbar, 1985: 240; Ahmad, Chaudhri & Akbar, 1993: 21.

Typhlodromus umbratus.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus zafari* Chaudhri, 1965**

Typhlodromus zafari Chaudhri, 1965: 633.

Amblydromella zafari.—Chaudhri, 1975a: 210; Chaudhri, Akbar & Rasool, 1979: 30; Shahid, Siddiqui & Chaudhri, 1983: 24; Chaudhri & Akbar, 1985: 239; Ahmad, Chaudhri & Akbar, 1993: 21.

Typhlodromus zafari.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus zerena* (Shahid, Siddiqui & Chaudhri, 1983)**

Amblydromella zerena Shahid, Siddiqui & Chaudhri, 1983: 27.

Amblydromella zerena.—Chaudhri & Akbar, 1985: 239; Ahmad, Chaudhri & Akbar, 1993: 22.

Typhlodromus zerena.—Demite, Moraes, McMurtry, Denmark & Castilho, 2016.

***Typhlodromus zoros* (Ahmad, Chaudhri & Akbar, 1992)**

Amblydromella zoros Ahmad, Chaudhri & Akbar, 1992: 26.

Amblydromella zoros.—Ahmad, Chaudhri & Akbar, 1993: 22.

Incompletely identified specimens in this family

Neoseiulus sp.—Sarwar, Bashir, Khan, Nazir & Khan, 2015: 90 (species described and illustrated but not named)

Phytoseiidae.—Khan, Bashir, Khan & Javed, 2017: 680.

Phytoseiidae.—Akbar & Hasan, 1990: 87.

Phytoseius sp.—Anwarullah, Irshad & Akhtar, 1966: 256.

Phytoseius sp.—Kazimi & Ghani, 1969b: 5.

Typhlodromus sp.—Kazimi & Ghani, 1969a: 160.

Typhlodromus sp. (*finlandicus* group).—Kazimi & Ghani, 1969b: Appendix I, ii.

Typhlodromus sp.—Anwarullah, Irshad & Akhtar, 1966: 256.

RHODACARIDAE Oudemans, 1902

Rhodacarinae Oudemans, 1902d: 12.

Incompletely identified specimens in this family

Rhodacaridae.—Khan, Bashir, Khan & Javed, 2017: 680.

SEJIDAE Berlese, 1885

Seiidae Berlese, 1885c: 129 (original spelling).

Incompletely identified specimens in this family

Sejidae.—Khan, Bashir, Khan & Javed, 2017: 680.

SPINTURNICIDAE Oudemans, 1901

Spinturnicinae Oudemans, 1901: 69.

***Spinturnix* von Heyden, 1826**

Spinturnix von Heyden, 1826: 612.

***Spinturnix nudatus* Allred, 1969a**

Spinturnix nudatus Allred, 1969a: 237.

Spinturnix nudatus.—Allred, 1975: 129.

***Spinturnix plecotinus* (Koch, 1839)**

Pteroptus plecotinus Koch, 1839a: 24 (original spelling).

Spinturnix plecotinus.—Allred, 1969a: 241; Allred, 1975: 129.

TREMATURIDAE Berlese, 1917

Trematurini Berlese, 1917: 9.

Incompletely identified specimens in this family

Trichouropoda sp.—Qayyoun & Khan, 2017: 8.

URODINYCHIDAE Berlese, 1917

Urodinychini Berlese, 1917: 9.

***Uroobovella* Berlese, 1903**

Uroobovella Berlese, 1903b: 249.

Uropoda (*Fuscuropoda*) Vitzthum, 1924: 360.

***Uroobovella litteri* (Khan, 1967)**

Fuscuropoda litteri Khan, 1967: 393.

Incompletely identified specimens in this family

Fuscuropoda sp.—Anwarullah & Irshad, 1971: 145.

Uroobovella sp.—Qayyoun & Khan, 2017: 8.

UROPODIDAE Kramer, 1881

Uropodidae Kramer, 1881: 641.

Incompletely identified specimens in this family

Uropodidae.—Qayyoun & Khan, 2016b: 1.

Uropodidae.—Khan, Bashir, Khan & Javed, 2017: 680.

VARROIDAE Delfinado & Baker, 1974

Varroidae Delfinado & Baker, 1974: 5.

***Varroa* Oudemans, 1904**

Varroa Oudemans, 1904: 161.

Varroa destructor* Anderson & Trueman, 2000

Varroa destructor Anderson & Trueman, 2000: 181.

Varroa destructor.—Mahmood, Mohsin, Asad, Raja & Sarwar, 2014: 32; Chantawannakul, de Guzman, Li & Williams, 2016: 303.

Varroa jacobsoni.—Ahmad, 1988: 88; Ahmad, 1995: 178 (probable misidentification).

ZERCONIDAE Berlese, 1892

Zerconidae Berlese, 1892a: 74.

***Zercon* Koch, 1836**

Zercon Koch, 1836a: 15.

***Zercon barumi* Błaszak, 1977**

Zercon barumi Błaszak, 1977: 381.

***Zercon pakistanicus* Błaszak, 1977**

Zercon pakistanicus Błaszak, 1977: 377.

PROSTIGMATA

ACAROPHENACIDAE Cross, 1965

Acarophenacinae Cross, 1965: 129.

***Acarophenax* Newstead & Duvall, 1918**

Acarophenax Newstead & Duvall, 1918: 19.

***Acarophenax tribolii* Newstead & Duvall, 1918**

Acarophenax tribolii Newstead & Duvall, 1918: 20.

Acarophenax tribolii.—Khan & Anwarullah, 1970a: 46.

ADAMYSTIDAE Cunliffe, 1957

Adamystinae Cunliffe, 1957: 173.

***Adamystis* Cunliffe, 1957**

Adamystis Cunliffe, 1957: 173.

***Adamystis coineaui* Rafalski, 1982**

Adamystis coineaui Rafalski, 1982: 135.

ANYSTIDAE Oudemans, 1902

Anystinae Oudemans, 1902b: 59.

***Anystis* von Heyden, 1826**

Anystis von Heyden, 1826: 609.

***Anystis lahorensis* Khan, 1967**

Anystis lahorensis Khan, 1967: 400.

Incompletely identified specimens in this family

Anystis sp.—Kazimi & Ghani, 1969b: iii.

ARRENURIDAE Thor, 1900

Arrenuridae Thor, 1900: 266.

***Arrenurus* Dugès, 1834**

Arrenurus Dugès, 1834b: 154.

***Arrenurus madaraszii* Daday, 1898**

Arrenurus madarászi Daday, 1898: 98.

Arrenurus madaraszii.—Reisen & Mullen, 1978: 770.

***Arrenurus truncatus* (Walter, 1929)**

Rhinophoracarus truncatus Walter, 1929: 244.

Arrenurus truncatus.—Khatoon & Ali, 1989: 615.

Incompletely identified specimens in this family

Arrenurus spp. A, B, C, D.—Reisen & Mullen, 1978: 770.

BDELLIDAE Dugès, 1834

Bdellei Dugès, 1834a: 21 (original spelling).

***Bdella* Latreille, 1795**

Bdella Latreille, 1795: 18.

***Bdella muscorum* Ewing, 1909**

Bdella muscorum Ewing, 1909: 124.

Bdella muscorum.—Chaudhri, Akbar & Rasool, 1979: 130; Hernandes, Skvarla, Fisher, Dowling, Ochoa, Ueckermann & Bauchan, 2016: 15.

***Biscirus* Thor, 1913**

Biscirus Thor, 1913: 28.

***Biscirus arenarius* Wallace & Mahon, 1972**

Biscirus arenarius Wallace & Mahon, 1972: 556.

Biscirus arenarius.—Chaudhri, Akbar & Rasool, 1979: 135; Chaudhri & Akbar, 1985: 115; Hernandes, Skvarla, Fisher, Dowling, Ochoa, Ueckermann & Bauchan, 2016: 23.

***Biscirus nixis* Chaudhri & Akbar, 1985**

Biscirus nixis Chaudhri & Akbar, 1985: 115.

Biscirus nixis.—Hernandes, Skvarla, Fisher, Dowling, Ochoa, Ueckermann & Bauchan, 2016: 24.

***Odontoscirus* Thor, 1913**

Biscirus (*Odontoscirus*) Thor, 1913: 29.

***Odontoscirus gleba* Chaudhri & Akbar, 1985**

Odontoscirus gleba Chaudhri & Akbar, 1985: 118.

Odontoscirus gleba.—Hernandes, Skvarla, Fisher, Dowling, Ochoa, Ueckermann & Bauchan, 2016: 34.

***Odontoscirus livistonana* Khan & Anwarullah, 1970**

Odontoscirus livistonana Khan & Anwarullah, 1970b: 192.

Odontoscirus livistonana.—Hernandes, Skvarla, Fisher, Dowling, Ochoa, Ueckermann & Bauchan, 2016: 34.

***Spinibdella* Thor, 1930**

Spinibdella Thor, 1930a: 22.

***Spinibdella depressa* (Ewing, 1909)**

Bdella depressa Ewing, 1909: 125.

Spinibdella depressa.—Chaudhri, Akbar & Rasool, 1979: 133; Hernandes, Skvarla, Fisher, Dowling, Ochoa, Ueckermann & Bauchan, 2016: 28.

Incompletely identified specimens in this family

Bdellidae sp.—Jan & Gul, 1994: 86.

Bdella sp.—Kazimi & Ghani, 1969b: Appendix I, ii.

CAECULIDAE Berlese, 1883

Caeculidae Berlese, 1883: 215.

***Allocaeculus* Franz, 1952**

Allocaeculus Franz, 1952: 108.

***Allocaeculus indicus* Piffli, 1959**

Allocaeculus indicus Piffli, 1959: 52.

CALIGONELLIDAE Grandjean, 1944

Caligonellidae Grandjean, 1944: 105.

***Molothrognathus* Summers & Schlinger, 1955**

Molothrognathus Summers & Schlinger, 1955: 543.

***Molothrognathus fulgidus* Summers & Schlinger, 1955**

Molothrognathus fulgidus Summers & Schlinger, 1955: 544.

Molothrognathus fulgidus.—Chaudhri, Akbar & Rasool, 1974: 184.

***Molothrognathus leptostylus* Summers & Schlinger, 1955**

Molothrognathus leptostylus Summers & Schlinger, 1955: 543.

Molothrognathus leptostylus.—Chaudhri, Akbar & Rasool, 1974: 184.

***Neognathus* Willmann, 1952**

Neognathus Willmann, 1952: 162.

***Neognathus cinis* Chaudhri, Akbar & Rasool, 1979**

Neognathus cinis Chaudhri, Akbar & Rasool, 1979: 143.

***Neognathus vulsus* Chaudhri, Akbar & Rasool, 1979**

Neognathus vulsus Chaudhri, Akbar & Rasool, 1979: 141.

***Neophyllobius* Berlese, 1886**

Neophyllobius Berlese, 1886c: 19.

***Neophyllobius hadros* Chaudhri, Akbar & Rasool, 1974**

Neophyllobius hadros Chaudhri, Akbar & Rasool, 1974: 188.

***Neophyllobius rhytis* Chaudhri, Akbar & Rasool, 1974**

Neophyllobius rhytis Chaudhri, Akbar & Rasool, 1974: 190.

CHEYLETIDAE Leach, 1815

Cheyletides Leach, 1815: 399 (original spelling).

***Acaropsella* Volgin, 1969**

Acaropsella Volgin, 1969: 314.

***Acaropsella nobilis* Rasool, Chaudhri & Akbar, 1980**

Acaropsella nobilis Rasool, Chaudhri & Akbar, 1980: 33.

Acaropsella nobilis.—Chaudhri & Akbar, 1985: 198; Akbar, Jahan & Mughal, 2008: 188; Gerson, Fain & Smiley, 1999: 39.

***Acaropsella shaziai* Akbar, Jahan & Mughal, 2008**

Acaropsella shaziai Akbar, Jahan & Mughal, 2008: 188.

***Acaropsella walii* Akbar, Jahan & Mughal, 2008**

Acaropsella walii Akbar, Jahan & Mughal, 2008: 189.

Acaropsellina* Summers, 1976

Acaropsellina Summers, 1976: 191.

***Acaropsellina altilis* (Haq & Zia, 2001)**

Acaropsis altilis Haq & Zia, 2001a: 61.

Acaropsis altilis.—Haq & Zia, 2001b: 68; Haq, Khan, Riaz & Rasool, 2004: 182; Haq & Afzal, 2007: 2206.

***Acaropsellina campusensis* (Farooq, 2000)**

Acaropsis campusensis Farooq, 2000: 42.

***Acaropsellina clamo* (Chaudhri, Akbar & Rasool, 1979)**

Acaropsis clamo Chaudhri, Akbar & Rasool, 1979: 158.

Acaropsis clamo.—Rasool, Chaudhri & Akbar, 1980: 34; Chaudhri & Akbar, 1985: 204; Akbar, Rahi & Chaudhri, 1988: 2; Aheer, Akbar & Chaudhri, 1991: 335; Akbar, Mushtaq & Akbar, 1999: 263; Farooq, 2000: 41; Haq & Zia, 2001a: 60; Haq & Zia, 2001b: 69; Haq, Khan, Riaz & Rasool, 2004: 182.

Acaropsellina clamo.—Gerson, Fain & Smiley, 1999: 39.

***Acaropsellina culpa* (Haq & Zia, 2001)**

Acaropsis culpa Haq & Zia, 2001a: 64.

Acaropsis culpa.—Haq & Zia, 2001b: 68; Haq, Khan, Riaz & Rasool, 2004: 182.

***Acaropsellina docta* (Berlese, 1886)**

Cheyletus doctus Berlese, 1886b: 1.

Acaropsis docta.—Volgin, 1969: 309; Qayyum & Chaudhri, 1979c: 2; Farooq, 2000: 41; Haq & Zia, 2001a: 60; Haq & Zia, 2001b: 68; Haq, Khan, Riaz & Rasool, 2004: 183.

Acaropsellina docta.—Summers, 1976: 194; Gerson, Fain & Smiley, 1999: 39.

***Acaropsellina hirnai* (Akbar, Jahan & Qazi, 2007)**

Acaropsis hirnai Akbar, Jahan & Qazi, 2007: 92.

***Acaropsellina humilis* (Haq & Zia, 2001)**

Acaropsis humilis Haq & Zia, 2001b: 72.

Acaropsis humilis.—Haq, Khan, Riaz & Rasool, 2004: 183.

***Acaropsellina opsis* (Rasool, Chaudhri & Akbar, 1980)**

Acaropsis opsis Rasool, Chaudhri & Akbar, 1980: 34.

Acaropsis opsis.—Chaudhri & Akbar, 1985: 202; Akbar, Rahi & Chaudhri, 1988: 1; Aheer, Akbar & Chaudhri, 1991: 335; Akbar, Mushtaq & Akbar, 1999: 263; Farooq, 2000: 41; Haq & Zia, 2001a: 60; Haq & Zia, 2001b: 68; Haq, Khan, Riaz & Rasool, 2004: 182; Akbar, Jahan & Qazi, 2007: 94.

Acaropsellina opsis.—Gerson, Fain & Smiley, 1999: 40.

***Acaropsellina orbis* (Qayyum & Chaudhri, 1979)**

Acaropsis orbis Qayyum & Chaudhri, 1979c: 2.

Acaropsis orbis.—Rasool, Chaudhri & Akbar, 1980: 34; Chaudhri & Akbar, 1985: 204; Akbar, Rahi & Chaudhri, 1988: 1; Aheer, Akbar & Chaudhri, 1991: 335; Akbar, Mushtaq & Akbar, 1999: 263; Haq & Zia, 2001a: 60; Haq & Zia, 2001b: 69; Haq, Khan, Riaz & Rasool, 2004: 183.

Acaropsellina orbis.—Gerson, Fain & Smiley, 1999: 40.

***Acaropsellina platessa* (Aheer, Akbar & Chaudhri, 1991)**

Acaropsis platessa Aheer, Akbar & Chaudhri, 1991: 336.

Acaropsis platessa.—Akbar, Mushtaq & Akbar, 1999: 263; Farooq, 2000: 41; Haq & Zia, 2001a: 61; Haq & Zia, 2001b: 69; Haq, Khan, Riaz & Rasool, 2004: 184; Haq & Afzal, 2007: 2206.

Acaropsellina platessa.—Gerson, Fain & Smiley, 1999: 40.

***Acaropsellina porta* (Qayyum & Chaudhri, 1979)**

Acaropsis porta Qayyum & Chaudhri, 1979c: 5.

Acaropsis porta.—Rasool, Chaudhri & Akbar, 1980: 34; Chaudhri & Akbar, 1985: 204; Akbar, Rahi & Chaudhri, 1988: 2; Aheer, Akbar & Chaudhri, 1991: 335; Akbar, Mushtaq & Akbar, 1999: 263; Farooq, 2000: 42; Haq & Zia, 2001a: 60; Haq & Zia, 2001b: 68; Haq, Khan, Riaz & Rasool, 2004: 183.

Acaropsellina porta.—Gerson, Fain & Smiley, 1999: 40.

***Acaropsellina sheikhupuraensis* (Akbar, Jahan & Qazi, 2007)**

Acaropsis sheikhupuraensis Akbar, Jahan & Qazi, 2007: 90.

***Acaropsellina shorkotiensis* (Akbar, Rahi & Chaudhri, 1988)**

Acaropsis shorkotiensis Akbar, Rahi & Chaudhri, 1988: 2.

Acaropsis shorkotiensis.—Aheer, Akbar & Chaudhri, 1991: 335; Akbar, Mushtaq & Akbar, 1999: 263; Farooq, 2000: 41; Haq & Zia, 2001a: 61; Haq & Zia, 2001b: 69; Haq, Khan, Riaz & Rasool, 2004: 184.

Acaropsellina shorkotiensis.—Gerson, Fain & Smiley, 1999: 40.

***Acaropsellina sigilla* (Haq, Khan, Riaz & Rasool, 2004)**

Acaropsis sigilla Haq, Khan, Riaz & Rasool, 2004: 184.

***Acaropsellina sodalis* (Haq & Zia, 2001)**

Acaropsis sodalis Haq & Zia, 2001b: 70.

Acaropsis sodalis.—Haq, Khan, Riaz & Rasool, 2004: 182.

***Acaropsellina subitus* (Akbar, Mushtaq & Akbar, 1999)**

Acaropsis subitus Akbar, Mushtaq & Akbar, 1999: 264.

***Acaropsellina unicus* (Haq, Khan, Riaz & Rasool, 2004)**

Acaropsis unicus Haq, Khan, Riaz & Rasool, 2004: 186.

Acaropsellina venutus* (Akbar, Mushtaq & Akbar, 1999)

Acaropsis venutus Akbar, Mushtaq & Akbar, 1999: 263.

***Acaropsellina vitrus* (Aheer, Akbar & Chaudhri, 1991)**

Acaropsis vitrus Aheer, Akbar & Chaudhri, 1991: 336.

Acaropsis vitrus.—Akbar, Mushtaq & Akbar, 1999: 263; Farooq, 2000: 41; Haq & Zia, 2001a: 60; Haq, Khan, Riaz & Rasool, 2004: 182; Haq & Afzal, 2007: 2206.

Acaropsis virtus.—Haq & Zia, 2001b: 69 (incorrect spelling).

Acaropsellina vitrus.—Gerson, Fain & Smiley, 1999: 40.

***Chelacheles* Baker, 1958**

Chelacheles Baker, 1958: 235.

***Chelacheles humilis* Rasool, Chaudhri & Akbar, 1980**

Chelacheles humilis Rasool, Chaudhri & Akbar, 1980: 30.

Chelacheles humilis.—Chaudhri & Akbar, 1985: 194; Gerson, Fain & Smiley, 1999: 47.

Cheletogenes Oudemans, 1905

Cheletogenes Oudemans, 1905: 208.

***Cheletogenes aceriai* Khan, 1970**

Cheletogenes aceriai Khan, 1970a: 278.

Cheletogenes aceriai.—Gerson, Fain & Smiley, 1999: 47.

***Cheletogenes carinatus* Chaudhri & Akbar, 1985**

Cheletogenes carinatus Chaudhri & Akbar, 1985: 132.

Cheletogenes carinatus.—Gerson, Fain & Smiley, 1999: 47.

Cheletogenes carinatus Aheer, Akbar & Chaudhri, 1992: 39 (junior homonym and synonym).

***Cheletogenes dissitus* Akbar, Rahi & Chaudhri, 1988**

Cheletogenes dissitus Akbar, Rahi & Chaudhri, 1988: 4.

Cheletogenes dissitus.—Gerson, Fain & Smiley, 1999: 47.

***Cheletogenes iconis* Chaudhri & Akbar, 1985**

Cheletogenes iconis Chaudhri & Akbar, 1985: 128.

Cheletogenes iconis.—Gerson, Fain & Smiley, 1999: 47.

Cheletogenes iconis Aheer, Akbar & Chaudhri, 1992: 36 (junior homonym and synonym).

***Cheletogenes ornatus* (Canestrini & Fanzago, 1876)**

Cheyletus ornatus Canestrini & Fanzago, 1876a: 106.

Cheletogenes ornatus.—Kazimi & Ghani, 1969b: Appendix II, iii; Volgin, 1969: 296; Gerson, Fain & Smiley, 1999: 47.

***Cheletogenes petiginis* Qayyum & Chaudhri, 1977**

Cheletogenes petiginis Qayyum & Chaudhri, 1977b: 113.

Cheletogenes petiginis.—Rasool & Chaudhri, 1979a: 7; Chaudhri & Akbar, 1985: 134; Akbar, Rahi & Chaudhri, 1988: 4; Gerson, Fain & Smiley, 1999: 47.

***Cheletogenes sagacis* Chaudhri & Akbar, 1985**

Cheletogenes sagacis Chaudhri & Akbar, 1985: 131.

Cheletogenes sagacis.—Gerson, Fain & Smiley, 1999: 47.

Cheletogenes sagacis Aheer, Akbar & Chaudhri, 1992: 36 (junior homonym and synonym).

***Cheletogenes scaber* Qayyum & Chaudhri, 1977**

Cheletogenes scaber Qayyum & Chaudhri, 1977b: 111.

Cheletogenes scaber.—Rasool & Chaudhri, 1979a: 7; Chaudhri & Akbar, 1985: 134; Akbar, Rahi & Chaudhri, 1988: 4; Gerson, Fain & Smiley, 1999: 47.

***Cheletogenes vulgatus* Rasool & Chaudhri, 1979**

Cheletogenes vulgatus Rasool & Chaudhri, 1979a: 8.

Cheletogenes vulgatus.—Chaudhri & Akbar, 1985: 129; Akbar, Rahi & Chaudhri, 1988: 4; Gerson, Fain & Smiley, 1999: 47.

Cheletomimus Oudemans, 1904*

Cheletomimus Oudemans, 1904: 163.

Hemicheyletia Volgin, 1969: 201.

***Cheletomimus bakeri* (Ehara, 1962)**

Paracheyletia bakeri Ehara, 1962: 109.

Hemicheyletia bakeri.—Volgin, 1969: 202; Qayyum & Chaudhri, 1979a: 171; Gerson, Fain & Smiley, 1999: 65.

Cheletomimus bakeri.—Fain, Bochkov & Corpuz-Raros, 2002: 36; Bochkov, Hakimitabar & Saboori, 2005: 107.

Hemicheyletia tumidus Qayyum & Chaudhri, 1979a: 169.

Hemicheyletia tumidus.—Chaudhri & Akbar, 1985: 187; Gerson, Fain & Smiley, 1999: 65.

***Cheletomimus blosis* (Chaudhri & Akbar, 1985)**

Hemicheyletia blosis Chaudhri & Akbar, 1985: 172.

***Cheletomimus cambio* Chaudhri & Akbar, 1985**

Cheletomimus cambio Chaudhri & Akbar, 1985: 142.

Cheletomimus cambio.—Aheer, Akbar & Chaudhri, 1998: 125; Gerson, Fain & Smiley, 1999: 50; Fain, Bochkov & Corpuz-Raros, 2002: 28; Haq & Afzal, 2007: 2206.

Cheletomimus cambio Aheer, Akbar & Chaudhri, 1994: 346 (junior homonym and synonym).

***Cheletomimus cantor* Rasool, Chaudhri & Akbar, 1980**

Cheletomimus cantor Rasool, Chaudhri & Akbar, 1980: 28.

Cheletomimus cantor.—Chaudhri & Akbar, 1985: 145; Aheer, Akbar & Chaudhri, 1998: 125; Gerson, Fain & Smiley, 1999: 50; Fain, Bochkov & Corpuz-Raros, 2002: 28.

***Cheletomimus congoensis* (Cunliffe, 1962)**

Paracheyletia congoensis Cunliffe, 1962: 197.

Cheletomimus congoensis.—Fain, Bochkov & Corpuz-Raros, 2002: 38; Bochkov, Hakimitabar & Saboori, 2005: 107.

Hemicheyletia lacinia Rasool & Chaudhri, 1979b: 2.

Hemicheyletia lacinia.—Chaudhri & Akbar, 1985: 178; Gerson, Fain & Smiley, 1999: 65.

***Cheletomimus disparis* (Chaudhri & Akbar, 1985)**

Hemicheyletia disparis Chaudhri & Akbar, 1985: 180.

***Cheletomimus domitus* Chaudhri & Akbar, 1985**

Cheletomimus domitus Chaudhri & Akbar, 1985: 150.

Cheletomimus domitus.—Aheer, Akbar & Chaudhri, 1998: 126.

***Cheletomimus echis* (Chaudhri & Akbar, 1985)**

Hemicheyletia echis Chaudhri & Akbar, 1985: 187.

***Cheletomimus fissilis* Chaudhri & Akbar, 1985**

Cheletomimus fissilis Chaudhri & Akbar, 1985: 155; Aheer, Akbar & Chaudhri, 1998: 126.

***Cheletomimus flecto* Chaudhri & Akbar, 1985**

Cheletomimus flecto Chaudhri & Akbar, 1985: 153.

Cheletomimus flecto.—Fain, Bochkov & Corpuz-Raros, 2002: 28.

Cheletomimums flecto Aheer, Akbar & Chaudhri, 1998: 126 (incorrect spelling; junior homonym and synonym).

***Cheletomimus glomus* (Chaudhri & Akbar, 1985)**

Hemicheyletia glomus Chaudhri & Akbar, 1985: 181.

***Cheletomimus hastatus* (Chaudhri & Akbar, 1985)**

Hemicheyletia hastatus Chaudhri & Akbar, 1985: 183.

Hemicheyletia hastatus.—Afzal, Ali & Akbar, 2003: 90; Kamran, Khan & Nazir, 2005: 54.

***Cheletomimus heredis* Qayyum & Chaudhri, 1979**

Cheletomimus heredis Qayyum & Chaudhri, 1979b: 9.

Cheletomimus heredis.—Rasool, Chaudhri & Akbar, 1980: 29; Chaudhri & Akbar, 1985: 155; Aheer, Akbar & Chaudhri, 1998: 126; Gerson, Fain & Smiley, 1999: 51; Fain, Bochkov & Corpuz-Raros, 2002: 28.

***Cheletomimus larme* Chaudhri & Akbar, 1985**

Cheletomimus larme Chaudhri & Akbar, 1985: 143.

Cheletomimus larme.—Aheer, Akbar & Chaudhri, 1998: 125.

Cheletomimus larme Aheer, Akbar & Chaudhri, 1994: 348 (junior homonym and synonym).

Cheletomimus larmae.—Gerson, Fain & Smiley, 1999: 51; Fain, Bochkov & Corpuz-Raros, 2002: 28 (incorrect spelling).

***Cheletomimus nucella* (Chaudhri & Akbar, 1985)**

Hemicheyletia nucella Chaudhri & Akbar, 1985: 166.

Hemicheyletia nucella.—Haq & Afzal, 2007: 2206.

Cheletomimus parvus* (Afzal, Ali & Akbar, 2003)

Hemicheyletia parvus Afzal, Ali & Akbar, 2003: 89.

***Cheletomimus parodos* (Chaudhri & Akbar, 1985)**

Hemicheyletia parodos Chaudhri & Akbar, 1985: 173.

***Cheletomimus salvus* (Chaudhri & Akbar, 1985)**

Hemicheyletia salvus Chaudhri & Akbar, 1985: 169.

Hemicheyletia solvus.—Chaudhri & Akbar, 1985: 190 (incorrect spelling).

***Cheletomimus sialkotiensis* Chaudhri & Akbar, 1985**

Cheletomimus sialkotiensis Chaudhri & Akbar, 1985: 147.

Cheletomimus sialkotiensis.—Aheer, Akbar & Chaudhri, 1998: 126.

***Cheletomimus tanosis* (Kamran, Khan & Nazir, 2005)**

Hemicheyletia tanosis Kamran, Khan & Nazir, 2005: 52.

***Cheletomimus telma* Chaudhri & Akbar, 1985**

Cheletomimus telma Chaudhri & Akbar, 1985: 149.

Cheletomimus telma.—Aheer, Akbar & Chaudhri, 1998: 130.

***Cheletomimus trema* Chaudhri & Akbar, 1985**

Cheletomimus trema Chaudhri & Akbar, 1985: 152.

Cheletomimus trema.—Fain, Bochkov & Corpuz-Raros, 2002: 28.

Cheletomimus trema Aheer, Akbar & Chaudhri, 1998: 126 (junior homonym and synonym).

***Cheletomimus trepsis* (Chaudhri & Akbar, 1985)**

Hemicheyletia trepsis Chaudhri & Akbar, 1985: 175.

***Cheletomimus umbo* (Chaudhri & Akbar, 1985)**

Hemicheyletia umbo Chaudhri & Akbar, 1985: 185.

***Cheletomimus vescus* (Qayyum & Chaudhri, 1979)**

Hemicheyletia vescus Qayyum & Chaudhri, 1979a: 167.

Hemicheyletia vescus.—Rasool & Chaudhri, 1979b: 2; Chaudhri & Akbar, 1985: 173; Gerson, Fain & Smiley, 1999: 65.

Cheletomimus vescus.—Fain, Bochkov & Corpuz-Raros, 2002: 38; Bochkov, Hakimitabar & Saboori, 2005: 100.

Hemicheyletia laguncula Rasool & Chaudhri, 1979b: 4.

Hemicheyletia laguncula.—Chaudhri & Akbar, 1985: 168; Gerson, Fain & Smiley, 1999: 65.

***Cheletomimus vivus* (Chaudhri & Akbar, 1985)**

Hemicheyletia vivus Chaudhri & Akbar, 1985: 177.

***Cheletomimus zamia* Chaudhri & Akbar, 1985**

Cheletomimus zamia Chaudhri & Akbar, 1985: 146.

Cheletomimus zamia.—Aheer, Akbar & Chaudhri, 1998: 125; Gerson, Fain & Smiley, 1999: 51; Fain, Bochkov & Corpuz-Raros, 2002: 28.

Cheletomimus zamia Aheer, Akbar & Chaudhri, 1994: 348 (junior homonym and synonym).

***Cheletomorpha* Oudemans, 1904**

Cheletomorpha Oudemans, 1904: 162.

***Cheletomorpha dolosus* Aheer, Akbar & Chaudhri, 1997**

Cheletomorpha dolosus Aheer, Akbar & Chaudhri, 1997: 119.

Cheletomorpha dolosus.—Gerson, Fain & Smiley, 1999: 51.

***Cheletomorpha lepidopterorum* (Shaw, 1794)**

Acarus lepidopterorum Shaw, 1794: 187.

Cheletomorpha lepidopterorum.—Volgin, 1969: 190; Hughes, 1976: 248; Qayyum & Chaudhri, 1977c: 71;

Gerson, Fain & Smiley, 1999: 51.

***Cheletomorpha obrutus* Qayyum & Chaudhri, 1977**

Cheletomorpha obrutus Qayyum & Chaudhri, 1977c: 75.

Cheletomorpha obrutus.—Chaudhri, Akbar & Rasool, 1979: 162; Aheer, Akbar & Chaudhri, 1997: 117; Gerson,

Fain & Smiley, 1999: 51.

***Cheletomorpha opacus* Qayyum & Chaudhri, 1977**

Cheletomorpha opacus Qayyum & Chaudhri, 1977c: 73.

Cheletomorpha opacus.—Chaudhri, Akbar & Rasool, 1979: 160; Aheer, Akbar & Chaudhri, 1997: 117; Gerson,

Fain & Smiley, 1999: 51.

***Cheletomorpha tenerum* Qayyum & Chaudhri, 1977**

Cheletomorpha tenerum Qayyum & Chaudhri, 1977c: 71.

Cheletomorpha tenerum.—Aheer, Akbar & Chaudhri, 1997: 117; Gerson, Fain & Smiley, 1999: 51.

***Cheletonella* Womersley, 1941**

Cheletonella Womersley, 1941: 60.

***Cheletonella daddariensis* Aheer & Chaudhri, 1987**

Cheletonella daddariensis Aheer & Chaudhri, 1987: 104.

***Cheletonella emersus* Chaudhri, Akbar & Rasool, 1979**

Cheletonella emersus Chaudhri, Akbar & Rasool, 1979: 150.

Cheletonella emersus.—Aheer & Chaudhri, 1987: 103.

***Cheyletus* Latreille, 1796**

Cheyletus Latreille, 1796: 179.

***Cheyletus crassus* Qayyum & Chaudhri, 1977**

Cheyletus crassus Qayyum & Chaudhri, 1977a: 87.

Cheyletus crassus.—Chaudhri, Akbar & Rasool, 1979: 153; Akbar, Rahi & Chaudhri, 1988: 5; Gerson, Fain &

Smiley, 1999: 55; Farooq, Akbar & Qureshi, 2000: 257; Fain & Bochkov, 2001: 84.

***Cheyletus eruditus* (Schrank, 1781)**

Acarus eruditus Schrank, 1781: 513.

Cheyletus eruditus.—Volgin, 1969: 78; Anwarullah, 1976: 41; Hughes, 1976: 235; Gerson, Fain & Smiley, 1999:

55; Fain & Bochkov, 2001: 86; Bochkov, Hakimitabar & Saboori, 2005: 106.

Cheyletus desitus Qayyum & Chaudhri, 1977a: 90;

Cheyletus desitus.—Chaudhri, Akbar & Rasool, 1979: 154; Akbar, Rahi & Chaudhri, 1988: 5; Akbar, Aheer &

Ishtiaq, 1993: 294; Akbar & Aheer, 1994: 342; Gerson, Fain & Smiley, 1999: 55; Farooq, Akbar &

Qureshi, 2000: 257.

***Cheyletus malaccensis* Oudemans, 1903**

Cheyletus malaccensis Oudemans, 1903: 84.

Cheyletus malaccensis.—Volgin, 1969: 83; Kazimi & Ghani, 1969b: Appendix I, ii; Hughes, 1976: 242; Zaman, 1990: 134; Gerson, Fain & Smiley, 1999: 55; Fain & Bochkov, 2001: 86.

Cheyletus baridos Akbar, Rahi & Chaudhri, 1988: 5.

Cheyletus baridos.—Gerson, Fain & Smiley, 1999: 55.

Cheyletus avidus Qayyum & Chaudhri, 1977a: 89.

Cheyletus avidus.—Akbar, Rahi & Chaudhri, 1988: 5; Farooq, Akbar & Qureshi, 2000: 257; Gerson, Fain & Smiley, 1999: 55.

Cheyletus ayyazi Akbar, Aheer & Ishtiaq, 1993: 293.

Cheyletus ayyazi.—Farooq, Akbar & Qureshi, 2000: 257; Gerson, Fain & Smiley, 1999: 55.

Cheyletus infensus Akbar, Aheer & Ishtiaq, 1993: 295.

Cheyletus infensus.—Farooq, Akbar & Qureshi, 2000: 257.

Cheyletus phantosis Akbar & Aheer, 1994: 342.

Cheyletus phantosis.—Farooq, Akbar & Qureshi, 2000: 257.

Cheyletus wahndoensis Akbar & Aheer, 1994: 343.

Cheyletus wahndoensis.—Farooq, Akbar & Qureshi, 2000: 257.

Cheyletus mianiensis Farooq, Akbar & Qureshi, 2000: 257.

Cheyletus mianiensis Farooq, Akbar & Qureshi, 2000: 257 (incorrect spelling).

Cheyletus rafiquiensis Farooq, Akbar & Qureshi, 2000: 259.

***Cheyletus vivatus* Qayyum & Chaudhri, 1977**

Cheyletus vivatus Qayyum & Chaudhri, 1977a: 92.

Cheyletus vivatus.—Akbar, Rahi & Chaudhri, 1988: 5; Gerson, Fain & Smiley, 1999: 55; Farooq, Akbar & Qureshi, 2000: 257; Fain & Bochkov, 2001: 105.

Cheyletus spatiosus Qayyum & Chaudhri, 1977a: 94.

Cheyletus spatiosus.—Akbar, Rahi & Chaudhri, 1988: 5; Gerson, Fain & Smiley, 1999: 55; Farooq, Akbar & Qureshi, 2000: 257.

Cheyletus tutela Qayyum & Chaudhri, 1977a: 95; Chaudhri, Akbar & Rasool, 1979: 157; Akbar, Rahi & Chaudhri, 1988: 5; Gerson, Fain & Smiley, 1999: 55.

Cheyletus tutela.—Farooq, Akbar & Qureshi, 2000: 257 (incorrect spelling).

***Ker Muma*, 1964**

Ker Muma, 1964: 250.

***Ker acidalia* Aheer, Akbar & Chaudhri, 1997**

Ker acidalia Aheer, Akbar & Chaudhri, 1997: 119.

Ker acidalia.—Gerson, Fain & Smiley, 1999: 67.

***Neochyletiella* Baker, 1949**

Neochyletiella Baker, 1949: 271.

***Neochyletiella aegithali* Bochkov & OConnor, 2003**

Neochyletiella aegithali Bochkov & OConnor, 2003: 277.

Incompletely identified specimens in this family

Cheyletidae.—Khan, 1990: 279.

Cheyletidae.—Qayyum & Khan, 2016b: 1.

Cheyletidae.—Kazimi & Ghani, 1969b: Appendix I, ii.

Cheyletus sp.—Khan & Anwarullah, 1970a: 46.

Cheyletus sp.—Anwarullah, Khan, Hasan & Husain, 1968: 295.

Cheyletia sp.—Kazimi & Ghani, 1969b: Appendix I, iii.

Euchyletus sp.—Kazimi & Ghani, 1969b: Appendix I, ii.

CRYPTOGNATHIDAE Oudemans, 1902

Cryptognathidae Oudemans, 1902b: 59.

***Favognathus* Luxton, 1973**

Cryptognathus (*Favognathus*) Luxton, 1973: 62.

***Favognathus dama* (Chaudhri, Akbar & Rasool, 1979)**

Cryptognathus dama Chaudhri, Akbar & Rasool, 1979: 169.

Favognathus dama.—Doğan, 2008: 1676.

CUNAXIDAE Thor, 1902

Cunaxidae Thor, 1902: 164.

***Armascirus* Den Heyer, 1978**

Armascirus Den Heyer, 1978a: 218.

***Armascirus akhtari* Bashir, Afzal & Khan, 2008**

Armascirus akhtari Bashir, Afzal & Khan, 2008: 116.

Armascirus akhtari.—Bashir & Afzal, 2009: 117; Skvarla, Fisher & Dowling, 2014: 49.

***Armascirus asghari* Bashir & Afzal, 2005**

Armascirus asghari Bashir & Afzal, 2005: 117.

Armascirus asghari.—Bashir, Afzal & Khan, 2008: 116; Bashir & Afzal, 2009: 126; Skvarla, Fisher & Dowling, 2014: 50.

Armascirus fixus* (Chaudhri & Akbar, 1985)

Dactyloscirus fixus Chaudhri & Akbar, 1985: 214.

Dactyloscirus fixus.—Smiley, 1992: 228; Inayatullah & Shahid, 1996: 548; Bashir & Afzal, 2006c: 274; Bashir, Afzal & Akbar, 2006: 72; Bashir & Afzal, 2009: 92.

Armascirus fixus.—Skvarla, Fisher & Dowling, 2014: 50.

***Armascirus fuscus* (Chaudhri, 1977)**

Dactyloscirus fuscus Chaudhri, 1977: 49.

Dactyloscirus fuscus.—Chaudhri, Akbar & Rasool, 1979: 181; Chaudhri & Akbar, 1985: 214; Smiley, 1992: 230; Inayatullah & Shahid, 1996: 548; Bashir & Afzal, 2006c: 274; Bashir, Afzal & Akbar, 2006: 73; Bashir & Afzal, 2009: 107.

Armascirus fuscus.—Skvarla, Fisher & Dowling, 2014: 51.

***Armascirus gojraensis* Bashir, Afzal & Khan, 2008**

Armascirus gojraensis Bashir, Afzal & Khan, 2008: 123.

Armascirus gojraensis.—Bashir & Afzal, 2009: 141; Skvarla, Fisher & Dowling, 2014: 50.

***Armascirus jasminea* Bashir, Afzal & Khan, 2008**

Armascirus jasminea Bashir, Afzal & Khan, 2008: 118.

Armascirus jasminea.—Bashir & Afzal, 2009: 131; Skvarla, Fisher & Dowling, 2014: 49.

***Armascirus mactator* Muhammad & Chaudhri, 1991**

Armascirus mactator Muhammad & Chaudhri, 1991a: 52.

Armascirus mactator.—Bashir & Afzal, 2005: 117; Bashir, Afzal & Khan, 2008: 116; Bashir & Afzal, 2009: 112; Skvarla, Fisher & Dowling, 2014: 50.

***Armascirus pluri* Muhammad & Chaudhri, 1991**

Armascirus pluri Muhammad & Chaudhri, 1991a: 50.

Armscirus pluri.—Bashir & Afzal, 2005: 117; Bashir, Afzal & Khan, 2008: 116; Bashir & Afzal, 2009: 118; Skvarla, Fisher & Dowling, 2014: 50.

***Armscirus sabrii* Bashir, Afzal & Khan, 2008**

Armscirus sabrii Bashir, Afzal & Khan, 2008: 120.

Armscirus sabrii.—Bashir & Afzal, 2009: 136; Skvarla, Fisher & Dowling, 2014: 50.

***Armscirus satianaensis* Bashir & Afzal, 2005**

Armscirus satianaensis Bashir & Afzal, 2005: 119.

Armscirus satianaensis.—Bashir, Afzal & Khan, 2008: 116; Bashir & Afzal, 2009: 113; Skvarla, Fisher & Dowling, 2014: 49.

***Coleoscirus* Berlese, 1916**

Coleoscirus Berlese, 1916b: 131.

Pseudocunaxa Smiley, 1975: 241.

***Coleoscirus afzali* Bashir & Afzal, 2009**

Coleoscirus afzali Bashir & Afzal, 2009: 163.

Coleoscirus afzali.—Skvarla, Fisher & Dowling, 2014: 73.

Coleoscirus bapto* (Chaudhri & Akbar, 1985)

Pseudocunaxa bapto Chaudhri & Akbar, 1985: 223.

Coleoscirus bapto.—Smiley, 1992: 76; Bashir, Afzal, Ashfaq & Khan, 2008: 453; Bashir & Afzal, 2009: 147; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4.

Pseudocunaxa bapto.—Inayatullah & Shahid, 1993: 315 (incorrect spelling).

Coleoscirus bapto.—Skvarla, Fisher & Dowling, 2014: 73 (incorrect spelling).

***Coleoscirus breslauensis* Den Heyer, 1980**

Coleoscirus breslauensis Den Heyer, 1980a: 109.

Coleoscirus breslauensis.—Muhammad & Chaudhri, 1992a: 310; Muhammad & Chaudhri, 1992b: 97; Bashir, Afzal, Ashfaq & Khan, 2008: 457; Skvarla, Fisher & Dowling, 2014: 74.

***Coleoscirus buartsus* Den Heyer, 1980**

Coleoscirus buartsus Den Heyer, 1980a: 106.

Coleoscirus buartsus.—Muhammad & Chaudhri, 1992b: 102; Skvarla, Fisher & Dowling, 2014: 74.

Coleoscirus buratsus.—Muhammad & Chaudhri, 1992b: 101 (incorrect spelling).

***Coleoscirus carex* (Inayatullah & Shahid, 1993)**

Pseudocunaxa carex Inayatullah & Shahid, 1993: 318.

Coleoscirus carex.—Bashir, Afzal & Khan, 2006: 75; Bashir, Afzal, Ashfaq & Khan, 2008: 453; Bashir & Afzal, 2009: 146; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4; Skvarla, Fisher & Dowling, 2014: 73.

***Coleoscirus carnus* Muhammad & Chaudhri, 1992**

Coleoscirus carnus Muhammad & Chaudhri, 1992a: 309.

Coleoscirus carnus.—Muhammad & Chaudhri, 1992b: 97; Bashir, Afzal, Ashfaq & Khan, 2008: 453; Bashir & Afzal, 2009: 147; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4; Skvarla, Fisher & Dowling, 2014: 74.

***Coleoscirus coatesi* Den Heyer, 1980**

Coleoscirus coatesi Den Heyer, 1980a: 112

Coleoscirus coatesi.—Muhammad & Chaudhri, 1992b: 97; Skvarla, Fisher & Dowling, 2014: 74.

Coleoscirus coatesi.—Akbar & Aheer, 1994: 345 (incorrect spelling).

***Coleoscirus comis* Muhammad & Chaudhri, 1992**

Coleoscirus comis Muhammad & Chaudhri, 1992b: 99.

Coleoscirus comis.—Bashir, Afzal, Ashfaq & Khan, 2008: 453; Bashir & Afzal, 2009: 147; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4.

***Coleoscirus disparis* Muhammad & Chaudhri, 1992**

Coleoscirus disparis Muhammad & Chaudhri, 1992a: 310.

Coleoscirus disparis.—Muhammad & Chaudhri, 1992b: 97; Bashir, Afzal, Ashfaq & Khan, 2008: 453; Bashir & Afzal, 2009: 147; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 5; Skvarla, Fisher & Dowling, 2014: 74.

***Coleoscirus irroratus* Muhammad & Chaudhri, 1992**

Coleoscirus irroratus Muhammad & Chaudhri, 1992b: 99.

Coleoscirus irroratus.—Bashir, Afzal, Ashfaq & Khan, 2008: 453; Bashir & Afzal, 2009: 147; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4.

***Coleoscirus kifayati* (Inayatullah & Shahid, 1993)**

Pseudocunaxa kifayati Inayatullah & Shahid, 1993: 315.

Coleoscirus kifayati.—Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 5; Skvarla, Fisher & Dowling, 2014: 74.

Coleoscirus kayfayati.—Bashir, Afzal, Ashfaq & Khan, 2008: 453; Bashir & Afzal, 2009: 147; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4 (incorrect spelling).

***Coleoscirus mardi* (Inayatullah & Shahid, 1993)**

Pseudocunaxa mardi Inayatullah & Shahid, 1993: 316.

Coleoscirus mardi.—Bashir, Afzal, Ashfaq & Khan, 2008: 453; Bashir & Afzal, 2009: 147; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4; Skvarla, Fisher & Dowling, 2014: 73.

***Coleoscirus raviensis* Bashir, Afzal, Ashfaq & Khan, 2008**

Coleoscirus raviensis Bashir, Afzal, Ashfaq & Khan, 2008: 453.

Coleoscirus raviensis.—Bashir & Afzal, 2009: 153; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4; Skvarla, Fisher & Dowling, 2014: 73.

***Coleoscirus simplex* Ewing, 1917**

Scirus simplex Ewing, 1917a: 150.

Pseudocunaxa simplex.—Chaudhri, 1977: 43; Chaudhri, Akbar & Rasool, 1979: 186; Inayatullah & Shahid, 1993: 315.

Coleoscirus simplex.—Muhammad & Chaudhri, 1992b: 97; Bashir, Afzal, Ashfaq & Khan, 2008: 453; Bashir & Afzal, 2009: 169; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4; Skvarla, Fisher & Dowling, 2014: 74.

***Coleoscirus tobaensis* Bashir, Afzal, Ashfaq & Khan, 2008**

Coleoscirus tobaensis Bashir, Afzal, Ashfaq & Khan, 2008: 455.

Coleoscirus tobaensis.—Bashir & Afzal, 2009: 158; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4; Skvarla, Fisher & Dowling, 2014: 74.

***Coleoscirus trusus* Bashir, Afzal & Khan, 2006**

Coleoscirus trusus Bashir, Afzal & Khan, 2006: 74.

Coleoscirus trusus.—Bashir & Afzal, 2009: 147; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4; Skvarla, Fisher & Dowling, 2014: 73.

***Coleoscirus tuberculatus* Den Heyer, 1978**

Coleoscirus tuberculatus Den Heyer, 1978b: 526.

Coleoscirus tuberculatus.—Muhammad & Chaudhri, 1992b: 102; Skvarla, Fisher & Dowling, 2014: 74.

Cunaxa von Heyden, 1826

Cunaxa von Heyden, 1826: 609.

***Cunaxa bashiri* Bashir & Afzal, 2009**

Cunaxa bashiri Bashir & Afzal, 2009: 51.

Cunaxa bashiri.—Skvarla, Fisher & Dowling, 2014: 57.

***Cunaxa capreolus* (Berlese, 1889)**

Scirus capreolus Berlese, 1889b: 9.

Cunaxa capreolus.—Chaudhri, 1977: 42; Chaudhri, Akbar & Rasool, 1979: 182; Bashir, Afzal & Ali, 2005: 57; Bashir & Afzal, 2006a: 64; Bashir & Afzal, 2009: 61; Bashir, Afzal, Ashfaq, Akbar & Ali, 2010: 218; Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38; Skvarla, Fisher & Dowling, 2014: 57.

***Cunaxa clusus* Bashir & Afzal, 2009**

Cunaxa clusus Bashir & Afzal, 2009: 40.

Cunaxa clusus.—Skvarla, Fisher & Dowling, 2014: 56.

***Cunaxa dotos* Bashir & Afzal, 2009**

Cunaxa dotos Bashir & Afzal, 2009: 78.

Cunaxa dotos.—Skvarla, Fisher & Dowling, 2014: 55.

Cunaxa doxa* Chaudhri & Akbar, 1985

Cunaxa doxa Chaudhri & Akbar, 1985: 226.

Cunaxa doxa.—Smiley, 1992: 169; Bashir, Afzal & Ali, 2005: 57; Bashir & Afzal, 2006a: 64; Bashir & Afzal, 2009: 27; Bashir, Afzal, Ashfaq, Akbar & Ali, 2010: 218; Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38; Skvarla, Fisher & Dowling, 2014: 58.

***Cunaxa jatoiensis* Bashir & Afzal, 2006**

Cunaxa jatoiensis Bashir & Afzal, 2006a: 64.

Cunaxa jatoiensis.—Bashir & Afzal, 2009: 50; Bashir, Afzal, Ashfaq, Akbar & Ali, 2010: 218; Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38; Skvarla, Fisher & Dowling, 2014: 56.

Cunaxa leuros* Bashir, Afzal, Ashfaq, Akbar & Ali, 2010

Cunaxa leuros Bashir, Afzal, Ashfaq, Akbar & Ali, 2010: 218.

Cunaxa leuros.—Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38; Skvarla, Fisher & Dowling, 2014: 56.

Cunaxa leuros Bashir & Afzal, 2009: 31 (*nomen nudum*).

***Cunaxa lodhranensis* Bashir & Afzal, 2009**

Cunaxa lodhranensis Bashir & Afzal, 2009: 63.

Cunaxa lodhranensis.—Skvarla, Fisher & Dowling, 2014: 57.

***Cunaxa mahmoodi* Bashir & Afzal, 2009**

Cunaxa mahmoodi Bashir & Afzal, 2009: 72.

Cunaxa mahmoodi.—Skvarla, Fisher & Dowling, 2014: 56.

***Cunaxa nankanaensis* Bashir & Afzal, 2009**

Cunaxa nankanaensis Bashir & Afzal, 2009: 45.

Cunaxa nankanaensis.—Skvarla, Fisher & Dowling, 2014: 56.

Cunaxa nankanaensis Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38 (junior homonym and synonym).

***Cunaxa okaraensis* Bashir & Afzal, 2009**

Cunaxa okaraensis Bashir & Afzal, 2009: 66.

Cunaxa okaraensis.—Skvarla, Fisher & Dowling, 2014: 55.

***Cunaxa pakpattanensis* Bashir & Afzal, 2009**

Cunaxa pakpattanensis Bashir & Afzal, 2009: 21.

Cunaxa pakpattanensis.—Skvarla, Fisher & Dowling, 2014: 57.

Cunaxa rafiqi* Bashir, Afzal, Ashfaq, Akbar & Ali, 2010

Cunaxa rafiqi Bashir, Afzal, Ashfaq, Akbar & Ali, 2010: 220.

Cunaxa rafiqi.—Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38; Skvarla, Fisher & Dowling, 2014: 57.

Cunaxa rafiqi Bashir & Afzal, 2009: 31 (*nomen nudum*).

***Cunaxoides* Baker & Hoffmann, 1948**

Cunaxoides Baker & Hoffmann, 1948: 241.

***Cunaxoides daskaensis* Bashir & Afzal, 2009**

Cunaxoides daskaensis Bashir & Afzal, 2009: 215.

Cunaxoides daskaensis.—Skvarla, Fisher & Dowling, 2014: 23.

***Cunaxoides negans* Bashir & Afzal, 2009**

Cunaxoides negans Bashir & Afzal, 2009: 217.

Cunaxoides negans.—Skvarla, Fisher & Dowling, 2014: 23.

***Cunaxoides sargodhaensis* Bashir, Afzal & Raza, 2007**

Cunaxoides sargodhaensis Bashir, Afzal & Raza, 2007: 43.

Cunaxoides sargodhaensis.—Bashir & Afzal, 2009: 204; Skvarla, Fisher & Dowling, 2014: 23.

***Cunaxoides sialkotensis* Bashir & Afzal, 2009**

Cunaxoides sialkotensis Bashir & Afzal, 2009: 209.

Cunaxoides sialkotensis.—Skvarla, Fisher & Dowling, 2014: 23.

***Cunaxoides trisetosis* Bashir & Afzal, 2004**

Cunaxoides trisetosis Bashir & Afzal, 2004a: 25.

Cunaxoides trisetosis.—Bashir & Afzal, 2009: 200; Skvarla, Fisher & Dowling, 2014: 23.

Dactyloscirus* Berlese, 1916

Scirus (*Dactyloscirus*) Berlese, 1916b: 131.

***Dactyloscirus ebrius* Chaudhri, 1977**

Dactyloscirus ebrius Chaudhri, 1977: 47.

Dactyloscirus ebrius.—Chaudhri, Akbar & Rasool, 1979: 179; Chaudhri & Akbar, 1985: 214; Smiley, 1992: 224; Inayatullah & Shahid, 1996: 548; Bashir & Afzal, 2006c: 274; Bashir, Afzal & Akbar, 2006: 72; Bashir & Afzal, 2009: 93; Skvarla, Fisher & Dowling, 2014: 53.

***Dactyloscirus illutus* Inayatullah & Shahid, 1996**

Dactyloscirus illutus Inayatullah & Shahid, 1996: 550.

Dactyloscirus illutus.—Skvarla, Fisher & Dowling, 2014: 64.

***Dactyloscirus imbecillus* Bashir & Afzal, 2006**

Dactyloscirus imbecillus Bashir & Afzal, 2006c: 274.

Dactyloscirus imbecillus.—Bashir, Afzal & Akbar, 2006: 72; Bashir & Afzal, 2009: 93; Skvarla, Fisher & Dowling, 2014: 63.

***Dactyloscirus kahrorensis* Bashir, Afzal & Akbar, 2006**

Dactyloscirus kahrorensis Bashir, Afzal & Akbar, 2006: 73.

Dactyloscirus kahrorensis.—Bashir & Afzal, 2009: 102; Skvarla, Fisher & Dowling, 2014: 63.

***Dactyloscirus manzoori* Bashir & Afzal, 2006**

Dactyloscirus manzoori Bashir & Afzal, 2006c: 276.

Dactyloscirus manzoori.—Bashir, Afzal & Akbar, 2006: 72; Bashir & Afzal, 2009: 94; Skvarla, Fisher & Dowling, 2014: 62.

***Dactyloscirus minys* Inayatullah & Shahid, 1996**

Dactyloscirus minys Inayatullah & Shahid, 1996: 549.

Dactyloscirus minys.—Skvarla, Fisher & Dowling, 2014: 60.

***Dactyloscirus orsi* Inayatullah & Shahid, 1996**

Dactyloscirus orsi Inayatullah & Shahid, 1996: 548 (incorrect spelling).

Dactyloscirus orsi.—Skvarla, Fisher & Dowling, 2014: 64.

***Lupaeus* Castro & Den Heyer, 2009**

Lupaeus Castro & Den Heyer, 2009: 26.

***Lupaeus akbari* (Bashir & Afzal, 2009)**

Pulaeus akbari Bashir & Afzal, 2009: 240.

Pulaeus akbari.—Skvarla, Fisher & Dowling, 2014: 37.

Lupaeus akbari.—Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 784.

Lupaeus anjumi* (Bashir & Afzal, 2006)

Pulaeus anjumi Bashir & Afzal, 2006b: 18.

Pulaeus anjumi.—Bashir & Afzal, 2009: 229; Skvarla, Fisher & Dowling, 2014: 64.

Lupaeus anjumi.—Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 784.

Pulaeus anjumi Bashir, Afzal & Akbar, 2005: 164 (*nomen nudum*).

***Lupaeus ferventis* (Muhammad & Chaudhri, 1990)**

Pulaeus ferventis Muhammad & Chaudhri, 1990: 23.

Pulaeus ferventis.—Muhammad & Chaudhri, 1991b: 9; Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 228; Skvarla, Fisher & Dowling, 2014: 36.

Lupaeus ferventis.—Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 784.

***Lupaeus haurio* (Muhammad & Chaudhri, 1991)**

Pulaeus haurio Muhammad & Chaudhri, 1991b: 10.

Pulaeus haurio.—Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 256; Skvarla, Fisher & Dowling, 2014: 37.

Lupaeus haurio.—Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 784.

***Lupaeus stultus* (Muhammad & Chaudhri, 1991)**

Pulaeus stultus Muhammad & Chaudhri, 1991b: 14.

Pulaeus stultus.—Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Skvarla, Fisher & Dowling, 2014: 36.

Lupaeus stultus.—Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 784.

***Lupaeus walii* (Bashir & Afzal, 2009)**

Pulaeus walii Bashir & Afzal, 2009: 262.

Pulaeus walii.—Skvarla, Fisher & Dowling, 2014: 36.

Lupaeus walii.—Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 784.

***Neobonzia* Smiley, 1992**

Neobonzia Smiley, 1992: 331.

***Neobonzia bakari* (Bashir & Afzal, 2009)**

Pseudobonzia bakari Bashir & Afzal, 2009: 173.

Neobonzia bakari.—Skvarla, Fisher & Dowling, 2014: 77.

***Neobonzia malookensis* (Bashir & Afzal, 2009)**

Pseudobonzia malookensis Bashir & Afzal, 2009: 175.

Neobonzia malookensis.—Skvarla, Fisher & Dowling, 2014: 77.

Neobonzia numida* (Chaudhri & Akbar, 1985)

Pseudobonzia numida Chaudhri & Akbar, 1985: 220.

Pseudobonzia numida.—Smiley, 1992: 109; Bashir, Afzal & Akbar, 2008: 79; Bashir & Afzal, 2009: 190; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 6.

Neobonzia numida.—Skvarla, Fisher & Dowling, 2014: 77.

***Neobonzia shamshadi* (Bashir & Afzal, 2009)**

Pseudobonzia shamshadi Bashir & Afzal, 2009: 184.

Neobonzia shamshadi.—Skvarla, Fisher & Dowling, 2014: 77.

***Neocunaxoides* Smiley, 1975**

Neocunaxoides Smiley, 1975: 237.

***Neocunaxoides dilato* Inayatullah & Shahid, 1989**

Neocunaxoides dilato Inayatullah & Shahid, 1989: 221.

Pulaeus dilato.—Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 228.

Neocunaxoides dilato.—Skvarla, Fisher & Dowling, 2014: 33.

***Neocunaxoides kalamiensis* Inayatullah & Shahid, 1989**

Neocunaxoides kalamiensis Inayatullah & Shahid, 1989: 223.

Pulaeus kalamiensis.—Bashir, Afzal & Akbar, 2005: 165; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 228.

Neocunaxoides kalamiensis.—Skvarla, Fisher & Dowling, 2014: 33.

Pseudobonzia* Smiley, 1975

Pseudobonzia Smiley, 1975: 242.

***Pseudobonzia ashfaqi* Bashir, Afzal & Akbar, 2008**

Pseudobonzia ashfaqi Bashir, Afzal & Akbar, 2008: 78.

Pseudobonzia ashfaqi.—Bashir & Afzal, 2009: 194; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 6; Skvarla, Fisher & Dowling, 2014: 84.

Pseudobonzia bakeri* Bashir, Afzal, Ashfaq, Raza & Kamran, 2014

Pseudobonzia bakeri Bashir, Afzal, Ashfaq, Raza & Kamran, 2014, in Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 6.

***Pseudobonzia parilus* Chaudhri, 1977**

Pseudobonzia parilus Chaudhri, 1977: 45.

Pseudobonzia parilus.—Chaudhri, Akbar & Rasool, 1979: 184; Chaudhri & Akbar, 1985: 221; Smiley, 1992: 111; Bashir & Afzal, 2009: 172; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 6.

Pseudobonzia parilis.—Skvarla, Fisher & Dowling, 2014: 76 (incorrect spelling).

***Pulaeus* Den Heyer, 1980**

Pulaeus Den Heyer, 1980b: 19.

***Pulaeus banksi* Bashir & Afzal, 2009**

Pulaeus banksi Bashir & Afzal, 2009: 250.

Pulaeus banksi.—Skvarla, Fisher & Dowling, 2014: 36; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 788.

***Pulaeus camar* Muhammad & Chaudhri, 1991**

Pulaeus camar Muhammad & Chaudhri, 1991b: 18.

Pulaeus camar.—Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Skvarla, Fisher & Dowling, 2014: 36; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 788.

Pulaeus cinctus* (Chaudhri & Akbar, 1985)

Neocunaxoides cinctus Chaudhri & Akbar, 1985: 211.

Neocunaxoides cinctus.—Inayatullah & Shahid, 1989: 221; Smiley, 1992: 280.

Pulaeus cinctus.—Bashir, Afzal & Akbar, 2005: 165; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 228; Skvarla, Fisher & Dowling, 2014: 37.

***Pulaeus desitis* Muhammad & Chaudhri, 1990**

Pulaeus desitis Muhammad & Chaudhri, 1990: 21.

Pulaeus desitis.—Muhammad & Chaudhri, 1991b: 9; Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 239; Skvarla, Fisher & Dowling, 2014: 37; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 788.

***Pulaeus erinaceus* Muhammad & Chaudhri, 1991**

Pulaeus erinaceus Muhammad & Chaudhri, 1991b: 11.

Pulaeus erinaceus.—Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 261; Skvarla, Fisher & Dowling, 2014: 36; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 788.

***Pulaeus galumma* Muhammad & Chaudhri, 1991**

Pulaeus galumma Muhammad & Chaudhri, 1991b: 16.

Pulaeus galumma.—Bashir & Afzal, 2009: 228; Skvarla, Fisher & Dowling, 2014: 36; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 788.

Pulaeus glumma.—Bashir, Afzal & Akbar, 2005: 164 ; Bashir & Afzal, 2006b: 18 (incorrect spelling).

***Pulaeus krama* (Chaudhri, 1977)**

Neocunaxoides krama Chaudhri, 1977: 50.

Neocunaxoides krama.—Chaudhri, Akbar & Rasool, 1979: 176; Inayatullah & Shahid, 1989: 221; Smiley, 1992: 284.

Pulaeus krama.—Bashir, Afzal & Akbar, 2005: 165; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 228; Skvarla, Fisher & Dowling, 2014: 38; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 789.

***Pulaeus osculum* Muhammad & Chaudhri, 1990**

Pulaeus osculum Muhammad & Chaudhri, 1990: 22.

Pulaeus osculum.—Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 228; Skvarla, Fisher & Dowling, 2014: 37; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 788.

Pulaeus osculus.—Muhammad & Chaudhri, 1991b: 9 (incorrect spelling).

***Pulaeus punctatus* Bashir, Afzal & Akbar, 2005**

Pulaeus punctatus Bashir, Afzal & Akbar, 2005: 165.

Pulaeus punctatus.—Bashir & Afzal, 2009: 234; Skvarla, Fisher & Dowling, 2014: 36; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 788.

***Pulaeus silicula* Muhammad & Chaudhri, 1991**

Pulaeus silicula Muhammad & Chaudhri, 1991b: 13.

Pulaeus silicula.—Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 228; Skvarla, Fisher & Dowling, 2014: 36; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 788.

***Pulaeus verno* Muhammad & Chaudhri, 1990**

Pulaeus verno Muhammad & Chaudhri, 1990: 18.

Pulaeus verno.—Muhammad & Chaudhri, 1991b: 9; Bashir, Afzal & Akbar, 2005: 164; Bashir & Afzal, 2006b: 18; Bashir & Afzal, 2009: 227; Skvarla, Fisher & Dowling, 2014: 37; Paktinat-Saeij, Castro, Bagheri, Skvarla & Moraes, 2016: 788.

Rubroscirus Den Heyer, 1979

Rubroscirus Den Heyer, 1979: 71.

***Rubroscirus otiosus* Muhammad & Chaudhri, 1993**

Rubroscirus otiosus Muhammad & Chaudhri, 1993: 113.

Cunaxa otiosus.—Bashir, Afzal & Ali, 2005: 58; Bashir & Afzal, 2006a: 64; Bashir & Afzal, 2009: 21; Bashir, Afzal, Ashfaq, Akbar & Ali, 2010: 218; Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38.

Rubroscirus otiosus.—Skvarla, Fisher & Dowling, 2014: 68.

***Rubroscirus rasile* Muhammad & Chaudhri, 1993**

Rubroscirus rasile Muhammad & Chaudhri, 1993: 109.

Cunaxa rasile.—Bashir, Afzal & Ali, 2005: 57; Bashir & Afzal, 2006a: 63.

Cunaxa resile.—Bashir, Afzal & Ali, 2005: 58; Bashir & Afzal, 2006a: 64; Bashir & Afzal, 2009: 21; Bashir, Afzal, Ashfaq, Akbar & Ali, 2010: 218 ; Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38 (incorrect spelling).

Rubroscirus rasile.—Skvarla, Fisher & Dowling, 2014: 68.

***Rubroscirus reticulatus* (Bashir, Afzal & Ali, 2005)**

Cunaxa reticulatus Bashir, Afzal & Ali, 2005: 58.

Cunaxa reticulatus.—Bashir & Afzal, 2009: 87; Bashir, Afzal, Ashfaq, Akbar & Ali, 2010: 218; Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38.

Rubroscirus reticulatus.—Skvarla, Fisher & Dowling, 2014: 67.

***Rubroscirus valentis* Muhammad, Chaudhri & Akbar, 1989**

Rubroscirus valentis Muhammad, Chaudhri & Akbar, 1989: 1.

Cunaxa valentis.—Bashir, Afzal & Ali, 2005: 58; Bashir & Afzal, 2006a: 64; Bashir & Afzal, 2009: 21; Bashir, Afzal, Ashfaq, Akbar & Ali, 2010: 218; Bashir, Afzal, Ashfaq, Raza & Kamran, 2011: 38.

Rubroscirus valentis.—Muhammad & Chaudhri, 1993: 108; Skvarla, Fisher & Dowling, 2014: 68.

Scutascirus Den Heyer, 1976

Scutascirus Den Heyer, 1976: 1.

Scutascirus pigrus* Chaudhri & Akbar, 1985

Scutascirus pigrus Chaudhri & Akbar, 1985: 231.

Scutascirus pigrus.—Smiley, 1992: 129; Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4; Skvarla, Fisher & Dowling, 2014: 85.

***Scutascirus tactus* Chaudhri & Akbar, 1985**

Scutascirus tactus Chaudhri & Akbar, 1985: 229.

Scutascirus tactus.—Bashir, Afzal, Ashfaq, Ali, Kamran & Honey, 2014: 4; Skvarla, Fisher & Dowling, 2014: 85.

Scutopalus Den Heyer, 1980

Scutopalus Den Heyer, 1980c: 188.

***Scutopalus gilbertoi* (Bashir & Afzal, 2004)**

Neocunaxoides gilbertoi Bashir & Afzal, 2004b: 29.

Neocunaxoides gilbertoi.—Bashir & Afzal, 2009: 272.

Scutopalus gilbertoi.—Skvarla, Fisher & Dowling, 2014: 40.

DEMODECIDAE Nicolet, 1855

Demodides Nicolet, 1855: 383 (original spelling).

***Demodex* Owen, 1843**

Demodex Owen, 1843: 252.

***Demodex equi* Railliet, 1893**

Demodex folliculorum var. *equi* Railliet, 1893: 639.

Demodex equi.—Nutting, 1976: 216; Aftab, Khan, Pervez, Avias & Khan, 2005: 854.

DIPTILOMIOPIIDAE Keifer, 1944

Diptilomiopini Keifer, 1944: 30.

***Diptacus* Keifer, 1951**

Diptacus Keifer, 1951: 99.

***Diptacus gigantorhynchus* (Nalepa, 1892)**

Phyllocoptes gigantorhynchus Nalepa, 1892: 191 (original spelling)

Diptacus gigantorhynchus.—Kazimi & Ghani, 1969a; 158; Amrine & Stasny, 1994: 171.

ERIOPHYIDAE Nalepa, 1898

Eriophyidae Nalepa, 1898: 1.

***Acalitus* Keifer, 1965**

Acalitus Keifer, 1965: 2.

***Acalitus gossypii* (Banks, 1904)**

Eriophyes gossypii Banks, 1904: 56.

Eriophyes gossypii.—Kazimi & Ghani, 1969a: 158.

Acalitus gossypii.—Amrine & Stasny, 1994: 7.

***Aceria* Keifer, 1944**

Aceria Keifer, 1944: 22.

***Aceria dioicae* (Keifer, 1979)**

Eriophyes dioicae Keifer, 1979: 5.

Aceria dioicae.—Amrine & Stasny, 1994: 42.

***Aceria ghanii* Keifer, 1966**

Aceria ghanii Keifer, 1966: 15.

Aceria ghanii.—Amrine & Stasny, 1994: 49.

***Aceria granati* (Canestrini & Massalongo, 1894)**

Phytoptus granati Canestrini & Massalongo, 1894: 465.

Aceria granati.—Kazimi & Ghani, 1969a: 157; Amrine & Stasny, 1994: 50.

***Aceria ilicis* (Canestrini, 1891)**

Phytoptus ilicis Canestrini, 1891b: 48.

Aceria ilicis.—Kazimi & Ghani, 1969a: 158; Amrine & Stasny, 1994: 53.

***Aceria litchii* (Keifer, 1943)**

Eriophyes litchii Keifer, 1943: 212.

Aceria litchii.—Gupta, 1992: 100; Amrine & Stasny, 1994: 59.

Aceria litchi.—Haque, Naher & Uddin-Hasan, 2002: 61 (incorrect spelling)*.

***Aceria lycopersici* (Wolffenstein, 1879)**

Phytoptus lycopersici Wolffenstein, 1879: 424.

Eriophyes lycopersici Masee, 1939: 617.

Aceria lycopersici.—Kazimi & Ghani, 1969a: 158; Amrine & Stasny, 1994: 61.

***Aceria mangiferae* Sayed, 1946**

Aceria mangiferae Sayed, 1946: 7.

Aceria mangiferae.—Kazimi & Ghani, 1969a: 157; Amrine & Stasny, 1994: 62; Ahsan, Iqbal, Fateh, Riaz, Sattar & Waqas, 2016: 3399.

Aceria mangifera.—Khan, 1970a: 277; Khan, 1990: 274 (incorrect spelling).

***Aceria mixacordiae* (Nalepa, 1929)**

Eriophyes cordiae Nalepa, 1914: 56 (junior homonym).

Aceria cordiae.—Kazimi & Ghani, 1969a: 158.

Eriophyes mixacordiae Nalepa, 1929: 147 (replacement name).

Aceria mixacordiae.—Amrine & Stasny, 1994: 65.

Aculus Keifer, 1959

Aculus Keifer, 1959: 5.

***Aculus schlechtendali* (Nalepa, 1891)**

Phyllocoptes schlechtendali Nalepa, 1891: 62.

Aculus schlechtendali.—Amrine & Stasny, 1994: 131; Maula & Khan, 2015: 155.

***Phyllocoptes* Nalepa, 1889**

Phyllocoptes Nalepa, 1889: 148.

***Phyllocoptes abaenus* Keifer, 1940**

Phyllocoptes abaenus Keifer, 1940: 30.

Phyllocoptes abaenus.—Kazimi & Ghani, 1969a: 158; Amrine & Stasny, 1994: 243.

Incompletely identified specimens in this family

Aceria species 1, 2, 3.—Kazimi & Ghani, 1969a: 158.

Eriophyes sp.—Sapra, 1941: 339.

ERYTHRAEIDAE Robineau-Desvoidy, 1828*

Erythraeidae Robineau-Desvoidy, 1828: 144 (original spelling).

***Abrolophus* Berlese, 1891**

Rhyncholophus (*Abrolophus*) Berlese, 1891: 1.

Hauptmannia Oudemans, 1910b: 48.

***Abrolophus bilali* (Kamran, Afzal, Bashir & Khan, 2007)**

Hauptmannia bilali Kamran, Afzal, Bashir & Khan, 2007: 10.

***Abrolophus bohdani* (Haitlinger, 2003)**

Hauptmannia bohdani Haitlinger, 2003: 604.

Abrolophus bohdani.—Kamran, 2008: 135.

***Abrolophus khanjanii* (Haitlinger & Saboori, 1996)**

Hauptmannia khanjanii Haitlinger & Saboori, 1996: 123

Abrolophus khanjanii.—Kamran, 2008: 143.

Abrolophus khanjanii.—Beron, 2017: 139.

***Cecidopus* Karsch, 1879**

Cecidopus Karsch, 1879b: 562.

***Cecidopus qadrui* Ahsan & Anwarullah, 1970**

Cecidopus qadrui Ahsan & Anwarullah, 1970: 47.

Cecidopus qadrui.—Maqol & Wohltmann, 2012: 389.

***Erythraeus* Latreille, 1806**

Erythraeus Latreille, 1806: 146.

***Erythraeus layyahensis* Kamran, Afzal & Bashir, 2013**

Erythraeus layyahensis Kamran, Afzal & Bashir, 2013: 35.

Erythraeus layyahensis.—Beron, 2017: 134.

***Erythraeus longipedus* Saboori & Nowzari, 2001**

Erythraeus longipedus Saboori & Nowzari, 2001: 229.

Erythraeus longipedus.—Maqol & Wohltmann, 2012: 410.

Erythraeus longipedus.—Beron, 2017: 135.

***Erythraeus perpusillus* Kamran, Afzal, Raza, Irfanullah, Bashir & Ahmad, 2009**

Erythraeus perpusillus Kamran, Afzal, Raza, Irfanullah, Bashir & Ahmad, 2009: 358.

Erythraeus perpusillus.—Maqol & Wohltmann, 2012: 410.

Erythraeus perpusillus.—Beron, 2017: 135.

***Erythraeus shojaii* Saboori & Babolmorad, 2000**

Erythraeus shojaii Saboori & Babolmorad, 2000: 119.

Erythraeus shojaii.—Maqol & Wohltmann, 2012: 408.

Erythraeus shojaii.—Beron, 2017: 134.

***Erythraeus walii* Kamran, Afzal, Raza, Bashir & Ahmad, 2011**

Erythraeus walii Kamran, Afzal, Raza, Bashir & Ahmad, 2011: 1055.

Erythraeus walii.—Šundić, Haitlinger, Michaud & Colares, 2015: 46.

***Lasioerythraeus* Welbourn & Young, 1987**

Lasioerythraeus Welbourn & Young, 1987: 231.

***Lasioerythraeus setarius* Kamran & Bashir, 2013**

Lasioerythraeus setarius Kamran & Bashir, 2013: 722.

Lasioerythraeus setarius.—Beron, 2017: 136.

***Leptus* Latreille, 1796**

Leptus Latreille, 1796: 177.

***Leptus eslamizadehi* Saboori, 2002**

Leptus eslamizadehi Saboori, 2002: 550.

Leptus eslamizadehi.—Kamran, 2008: 88.

***Leptus hospeticus* Haitlinger, 2002**

Leptus hospeticus Haitlinger, 2002b: 177.

Leptus hospeticus.—Kamran, 2008: 96.

***Leptus karachiensis* Anwarullah & Ahsan, 1970**

Leptus karachiensis Anwarullah & Ahsan, 1970: 405.

Leptus karachiensis.—Maqol & Wohltmann, 2012: 426.

***Leptus nearcticus* Fain, Gummer & Whitaker, 1987**

Leptus nearcticus Fain, Gummer & Whitaker, 1987: 137.

Leptus nearcticus.—Kamran, 2008: 80.

***Leptus pakistanensis* Kamran, Afzal, Bashir, Raza & Khan, 2009**

Leptus pakistanensis Kamran, Afzal, Bashir, Raza & Khan, 2009: 17.

Leptus pakistanensis.—Maqol & Wohltmann, 2012: 430.

Leptus pakistanensis.—Beron, 2017: 138.

***Pollux* Southcott, 1961**

Pollux Southcott, 1961: 558.

***Pollux kovalamicus* Haitlinger, 2002**

Pollux kovalamicus Haitlinger, 2002a: 173.

Pollux sp.—Kamran, Afzal, Raza, Bashir & Khan, 2008: 48.

Pollux walii Kamran, Afzal & Raza, 2010: 73.

Pollux workandae.—Kamran & Bashir, 2013: 724; Beron, 2017:144 (misidentification).

Pollux kovalamicus.—Saboori, Taemoori & Hakimitabar, 2016: 116; Maqol & Wohltmann, 2012: 384; Beron, 2017: 144.

Incompletely identified specimens in this family

Erythraeidae sp.—Akbar & Hasan, 1990: 87.

EUPALLOPSELLIDAE Willmann, 1952

Eupallopsellidae Willmann, 1952: 163.

***Exothorhis* Summers, 1960**

Exothorhis Summers, 1960b: 131.

***Exothorhis mirus* (Chaudhri, Akbar & Rasool, 1979)**

Mediolata mirus Chaudhri, Akbar & Rasool, 1979: 210.

Exothorhis mirus.—Faraji & Ueckermann, 2006: 29; Fan, Flechtmann & Moraes, 2016: 150.

Incompletely identified specimens in this family

Exothorhis sp.—Kazimi & Ghani, 1969b: 4.

Exothorhis sp.—Kazimi, 1972: 521.

EYLAIIDAE Leach, 1815

Eylaides Leach, 1815: 399 (original spelling).

***Eylais* Latreille, 1796**

Eylais Latreille, 1796: 182.

***Eylais degenerata* Koenike, 1897**

Eylais degenerata Koenike, 1897: 292.

Eylais degenerata.—Lundblad, 1934: 88; Khatoon & Ali, 1989: 615.

***Eylais hamata* Koenike, 1897**

Eylais hamata Koenike, 1897: 282.

Eylais hamata.—Khatoon & Ali, 1989: 615.

HOMOCALIGIDAE Wood, 1969

Homocaligidae Wood, 1969: 712.

Incompletely identified specimens in this family

Annerossella.—Reisen & Mullen, 1978: 770.

HYDRACHNIDAE Leach, 1815

Hydrachnides Leach, 1815: 399.

***Hydrachna* Müller, 1776**

Hydrachna Müller, 1776: 188.

***Hydrachna testudinata* Cook, 1967**

Hydrachna testudinata Cook, 1967: 23.

Hydrachna testudinata.—Khattoon & Ali, 1989: 616.

HYDRODROMIDAE Viets, 1936

Hydrodromidae Viets, 1936: 140.

***Hydrodroma* Koch, 1837**

Hydrodroma Koch, 1837c: 7.

***Hydrodroma monticola* (Piersig, 1906)**

Diplodontis despiciens monticolus Piersig, 1906: 379.

Hydrodroma monticola.—Khattoon & Ali, 1989: 616.

Incompletely identified specimens in this family

Hydrodromus sp.—Reisen & Mullen, 1978: 770 (incorrect spelling).

HYGROBATIDAE Koch, 1842

Hygrobatides Koch, 1842: 7 (original spelling).

***Atractides* Koch, 1837**

Atractides Koch, 1837b: 10.

***Atractides ootacamundis* Cook, 1967**

Atractides ootacamundis Cook, 1967: 104.

Atractides ootacammundis.—Khattoon & Ali, 1989: 613 (incorrect spelling).

***Hygrobates* Koch, 1837**

Hygrobates Koch, 1837a: 8.

***Hygrobates karekari* Cook, 1967**

Hygrobates karekari Cook, 1967: 98.

Hygrobates karekari.—Khattoon & Ali, 1989: 613.

***Hygrobates keralensis* Cook, 1967**

Hygrobates keralensis Cook, 1967: 97.

Hygrobates keralensis.—Khattoon & Ali, 1989: 613.

JOHNSTONIANIDAE Thor, 1935

Johnstonianinae Thor, 1935a: 108.

***Parachyzeria* Hirst, 1926**

Parachyzeria Hirst, 1926a: 825.

***Parachyzeria indica* Hirst, 1926**

Parachyzeria indica Hirst, 1926a: 825.

Parachyzeria indica.—Khan, 1967: 403.

LEBERTIIDAE Thor, 1900

Lebertiidae Thor, 1900: 264.

***Lebertia* Neuman, 1880**

Lebertia Neuman, 1880: 68.

***Lebertia carmamaya* Cook, 1967**

Lebertia carmamaya Cook, 1967: 58.

Lebertia carmamaya.—Khatoon & Ali, 1989: 613.

LIMNESIIDAE Thor, 1900

Limnesiidae Thor, 1900: 265.

***Limnesia* Koch, 1835**

Limnesia Koch, 1835b: 19.

***Limnesia lembangensis* Piersig, 1906**

Limnesia lembangensis Piersig, 1906: 348.

Limnesia lembangensis.—Khatoon & Ali, 1989: 613.

***Tyrrellia* Koenike, 1895**

Tyrrellia Koenike, 1895: 198.

***Tyrrellia crenophila* Lundblad, 1938**

Tyrrellia crenophila Lundblad, 1938: 36.

Tyrrellia crenophila.—Khatoon & Ali, 1989: 613.

MICROTROMBIDIIDAE Thor, 1935

Microtrombidiidae Thor, 1935b: 47.

***Eutrombidium* Verdun, 1909**

Trombidium (*Eutrombidium*) Verdun, 1909: 246.

***Eutrombidium trigonum* (Hermann, 1804)**

Trombidium trigonum Hermann, 1804: 26.

Eutrombidium trigonum.—Sultana, Wagan & Wagan, 2012: 4158; Maqol & Wohltmann, 2012: 471.

***Microtrombidium* Haller, 1882**

Microtrombidium Haller, 1882: 322.

***Microtrombidium hindustanicum* (Hirst, 1926)**

Trombidium hindustanicum Hirst, 1926b: 1025.

Phlebotrombidium hindustanicum.—Fain & Baker, 1993: 327.

Microtrombidium hindustanicum.—Maqol & Wohltmann, 2012: 491.

Incompletely identified specimens in this family

Ettmuelleria sp.—Zaman, 1990: 134.

MYOBIIDAE Mégnin, 1877

Myobiés Mégnin, 1877: 70 (original spelling).

***Acanthopthirius* Perkins, 1925**

Acanthopthirius Perkins, 1925: 175.

***Acanthopthirius otonycteris* Uchikawa & Baker, 1993**

Acanthopthirius otonycteris Uchikawa & Baker, 1993: 89.

***Radfordia* Ewing, 1938**

Radfordia Ewing, 1938a: 185.

***Radfordia cricetus* Fain, 1973**

Radfordia cricetus Fain, 1973: 304.

Radfordia cricetus pakistanensis Fain & Hyland, 1980: 229.

***Radfordia lancearia* (Poppe, 1909)**

Myobia lancearia Poppe, 1909, in Fahrenholz, 1909: 367.

Radfordia lancearia.—Fain & Hyland, 1980: 229.

PIONIDAE Thor, 1900

Pionidae Thor, 1900: 265.

***Wettina* Piersig, 1892**

Wettina Piersig, 1892: 410.

***Wettina octopora* Cook, 1961**

Wettina octopora Cook, 1961: 263.

Wettina octopora.—Khatoon & Ali, 1989: 613.

Incompletely identified specimens in this family

Hydrochoreutes sp.—Reisen & Mullen, 1978: 770.

PROTZIIDAE Viets, 1926

Protziinae Viets, 1926: 188.

***Protzia* Piersig, 1896**

Protzia Piersig, 1896b: 52.

***Protzia flagellum* (Lundblad, 1934)**

Calonyx flagellum Lundblad, 1934: 99.

Protzia flagellum.—Khatoon & Ali, 1989: 616.

PTERYGOSOMATIDAE Oudemans, 1910

Pterygosomidae Oudemans, 1910a: 113 (original spelling).

***Pterygosoma* Peters, 1849**

Pterygosoma Peters, 1849: 170.

***Pterygosoma balochistani* Fajfer, 2016**

Pterygosoma balochistani Fajfer, 2016: 348.

PYEMOTIDAE Oudemans, 1937

Pyemotidae Oudemans, 1937: 2837.

***Pyemotes* Amerling, 1862**

Pyemotes Amerling, 1862: 54.

***Pyemotes tritici* (Lagrèze-Fossat & Montané, 1851)**

Acarus tritici Lagrèze-Fossat & Montané, 1851: 63.

Pyemotes tritici.—Moser, 1975: 185; Haq & Afzal, 2007: 2206; Mullen & OConnor, 2009: 445.

Pyemotes ventricosus* (Newport, 1850)

Heteropus ventricosus Newport, 1850a: 396.

Heteropus ventricosus Newport, 1850b: 70.

Pyemotes ventricosus.—Moser, 1975: 185; Haq & Afzal, 2007: 2206.

PYGMEPHORIDAE Cross, 1965

Pygmephorinae Cross, 1965: 147.

***Pygmephorus* Kramer, 1877**

Pygmephorus Kramer, 1877b: 254.

***Pygmephorus dossei* Anwarullah & Khan, 1971**

Pygmephorus dossei Anwarullah & Khan, 1971: 129.

Incompletely identified specimens in this family

Pygmephoroidae sp.—Babar, Afzal, Ali & Bashir, 2005: 45 (incorrect spelling).

RAPHIGNATHIDAE Kramer, 1877

Rhaphignathidae Kramer, 1877a: 231 (original spelling).

Rhaphignathus* Dugès, 1834

Rhaphignathus Dugès, 1834a: 22.

***Rhaphignathus costatus* Chaudhri, Akbar & Rasool, 1979**

Rhaphignathus costatus Chaudhri, Akbar & Rasool, 1979: 193.

***Rhaphignathus hexeris* Chaudhri, Akbar & Rasool, 1979**

Rhaphignathus hexeris Chaudhri, Akbar & Rasool, 1979: 197.

***Rhaphignathus sceptrum* Chaudhri, Akbar & Rasool, 1979**

Rhaphignathus sceptrum Chaudhri, Akbar & Rasool, 1979: 195.

Incompletely identified specimens in this family

Rhaphignathidae sp.—Jan & Gul, 1994: 86 (incorrect spelling).

STIGMAEIDAE Oudemans, 1931

Stigmaeidae Oudemans, 1931c: 252.

Agistemus* Summers, 1960

Agistemus Summers, 1960a: 234.

Agistemus buntex* Chaudhri & Akbar, 1985

Agistemus buntex Chaudhri & Akbar, 1985: 262.

Agistemus buntex.—Akbar, Aheer & Ishtiaq, 1993: 297; Khan & Afzal, 2005: 9; Khan, Bashir, Farooq & Khan, 2010: 27; Rehman, Khan, Kamran & Alatawi, 2016: 1273; Khan, Afzal, Bashir, Farooq & Ghaffar, 2016: 3; Fan, Flechtmann & Moraes, 2016: 30.

***Agistemus exsertus* González-Rodríguez, 1963**

Agistemus exsertus González-Rodríguez, 1963: 343.

Agistemus exsertus.—Kazimi, 1972: 521; Fan, Flechtmann & Moraes, 2016: 33.

Agistemus exertus.—Kazimi & Ghani, 1969a: 159; Kazimi & Ghani, 1969b: 5 (incorrect spelling).

***Agistemus fleschneri* Summers, 1960**

Agistemus fleschneri Summers, 1960a: 247.

Agistemus fleschneri.—Kazimi & Ghani, 1969b: Appendix I, ii; Fan, Flechtmann & Moraes, 2016: 35.

***Agistemus garrulus* Chaudhri, Akbar & Rasool, 1974**

Agistemus garrulus Chaudhri, Akbar & Rasool, 1974: 197.

Agistemus garrulus.—Chaudhri & Akbar, 1985: 262; Khan, Afzal & Kamran, 2005: 56; Khan, Bashir, Farooq & Khan, 2010: 27; Sarwar, Bashir & Khan, 2013: 122; Khan, Afzal, Bashir, Farooq & Ghaffar, 2016: 3; Fan, Flechtmann & Moraes, 2016: 37.

Agistemus garrulous.—Sarwar, Bashir & Khan, 2013: 122 ; Rehman, Khan, Kamran & Alatawi, 2016: 1273 (incorrect spelling).

***Agistemus impavidus* Chaudhri, Akbar & Rasool, 1974**

Agistemus impavidus Chaudhri, Akbar & Rasool, 1974: 194.

Agistemus impavidus.—Chaudhri & Akbar, 1985: 262; Khan, Bashir, Farooq & Khan, 2010: 27; Rehman, Khan, Kamran & Alatawi, 2016: 1273; Khan, Afzal, Bashir, Farooq & Ghaffar, 2016: 3; Fan, Flechtmann & Moraes, 2016: 38.

***Agistemus macrommatus* González-Rodríguez, 1965**

Agistemus macrommatus González-Rodríguez, 1965: 38.

Agistemus macrommatus.—Zaman, 1990: 134; Fan, Flechtmann & Moraes, 2016: 41.

***Agistemus mirabilis* Chaudhri, Akbar & Rasool, 1974**

Agistemus mirabilis Chaudhri, Akbar & Rasool, 1974: 197.

Agistemus mirabilis.—Chaudhri & Akbar, 1985: 262; Khan, Bashir, Farooq & Khan, 2010: 27; Rehman, Khan, Kamran & Alatawi, 2016: 1273; Khan, Afzal, Bashir, Farooq & Ghaffar, 2016: 3; Fan, Flechtmann & Moraes, 2016: 42.

***Agistemus nagrii* Akbar, Aheer & Ishtiaq, 1993**

Agistemus nagrii Akbar, Aheer & Ishtiaq, 1993: 296.

Agistemus nagrii.—Akbar & Aheer, 1994: 342; Fan, Flechtmann & Moraes, 2016: 42.

Agistemus nagri.—Rehman, Khan, Kamran & Alatawi, 2016: 1273 (incorrect spelling).

***Agistemus rafiqi* Khan, Afzal & Kamran, 2005**

Agistemus rafiqi Khan, Afzal & Kamran, 2005: 55.

Agistemus rafiqi.—Rehman, Khan, Kamran & Alatawi, 2016: 1274; Fan, Flechtmann & Moraes, 2016: 44.

Agistemus rafiqii.—Khan, Bashir, Farooq & Khan, 2010: 27; Rehman, Khan, Kamran & Alatawi, 2016: 1275 ; Khan, Afzal, Bashir, Farooq & Ghaffar, 2016: 3 (incorrect spelling).

***Agistemus rawalpindiensis* Khan, Bashir, Farooq & Khan, 2010**

Agistemus rawalpindiensis Khan, Bashir, Farooq & Khan, 2010: 25.

Agistemus rawalpindiensis.—Rehman, Khan, Kamran & Alatawi, 2016: 1274; Khan, Afzal, Bashir, Farooq & Ghaffar, 2016: 3; Fan, Flechtmann & Moraes, 2016: 44.

***Agistemus yunusi* Chaudhri, Akbar & Rasool, 1974**

Agistemus yunusi Chaudhri, Akbar & Rasool, 1974: 200.

Agistemus yunusi.—Chaudhri & Akbar, 1985: 262; Akbar & Aheer, 1994: 342; Fan, Flechtmann & Moraes, 2016: 48.

Agistemus yunusii.—Khan, Bashir, Farooq & Khan, 2010: 27; Rehman, Khan, Kamran & Alatawi, 2016: 1274; Rehman, Khan, Kamran & Alatawi, 2016: 1275; Khan, Afzal, Bashir, Farooq & Ghaffar, 2016: 3 (incorrect spelling).

***Agistemus zahidi* Sarwar, Bashir & Khan, 2013**

Agistemus zahidi Sarwar, Bashir & Khan, 2013: 120.

***Cheylostigmaeus* Willmann, 1952**

Cheylostigmaeus Willmann, 1952: 160.

Cheylostigmaeus Willmann, 1951: 137 (*nomen nudum*).

***Cheylostigmaeus aphotos* Chaudhri, Akbar & Rasool, 1979**

Cheylostigmaeus aphotos Chaudhri, Akbar & Rasool, 1979: 216.

Cheylostigmaeus aphotos.—Rehman, Khan, Kamran & Alatawi, 2016: 1274; Fan, Flechtmann & Moraes, 2016: 49.

***Cheylostigmaeus farius* Chaudhri, Akbar & Rasool, 1979**

Cheylostigmaeus farius Chaudhri, Akbar & Rasool, 1979: 214.

Cheylostigmaeus farius.—Akbar & Aheer, 1994: 342; Rehman, Khan, Kamran & Alatawi, 2016: 1274; Fan, Flechtmann & Moraes, 2016: 50.

***Cheylostigmaeus immitis* Chaudhri, Akbar & Rasool, 1979**

Cheylostigmaeus immitis Chaudhri, Akbar & Rasool, 1979: 216.

Cheylostigmaeus immitis.—Fan, Flechtmann & Moraes, 2016: 51.

Cheylostigmaeus imitis.—Rehman, Khan, Kamran & Alatawi, 2016: 1274 (incorrect spelling).

***Eryngiopus* Summers, 1964**

Eryngiopus Summers, 1964: 186.

***Eryngiopus cirrus* (Chaudhri, Akbar & Rasool, 1979)**

Apostigmaeus cirrus Chaudhri, Akbar & Rasool, 1979: 206.

Eryngiopus cirrus.—Fan & Yan, 1997: 161; Rehman, Khan, Kamran & Alatawi, 2016: 1274; Fan, Flechtmann & Moraes, 2016: 56.

Eryngiopus sirrus.—Rehman, Khan, Kamran & Alatawi, 2016: 1275 (incorrect spelling).

***Eryngiopus hortus* (Chaudhri, Akbar & Rasool, 1979)**

Apostigmaeus hortus Chaudhri, Akbar & Rasool, 1979: 204.

Eryngiopus hortus.—Fan & Yan, 1997: 161; Rehman, Khan, Kamran & Alatawi, 2016: 1274; Fan, Flechtmann & Moraes, 2016: 57.

***Eustigmaeus* Berlese, 1910**

Stigmaeus (*Eustigmaeus*) Berlese, 1910a: 206.

Ledermuelleria Oudemans, 1923a: 150.

***Eustigmaeus hashmii* (Chaudhri, 1968)**

Ledermuelleria hashmii Chaudhri, 1968a: 14.

Eustigmaeus hashmii.—Khan, Afzal & Bashir, 2010: 152; Fan, Flechtmann & Moraes, 2016: 71.

***Eustigmaeus hooriaae* Khan, Afzal & Bashir, 2010**

Eustigmaeus hooriaae Khan, Afzal & Bashir, 2010: 150.

Eustigmaeus hooriaae.—Rehman, Khan, Kamran & Alatawi, 2016: 1275; Fan, Flechtmann & Moraes, 2016: 71.

***Eustigmaeus johnstoni* Zhang & Gerson, 1995**

Eustigmaeus johnstoni Zhang & Gerson, 1995: 297.

Eustigmaeus johnstoni.—Badakhshan, Sadraei & Moin-Vaziri, 2013: 94; Fan, Flechtmann & Moraes, 2016: 73.

***Eustigmaeus lyallpuriensis* (Chaudhri, 1968)**

Ledermuelleria lyallpuriensis Chaudhri, 1968a: 13.

Eustigmaeus lyallpuriensis.—Khan, Afzal & Bashir, 2010: 152; Fan, Flechtmann & Moraes, 2016: 75.

***Eustigmaeus segnis* (Koch, 1836)**

Caligonus segnis Koch, 1836b: 10.

Eustigmaeus segnis.—Rehman, Khan, Kamran & Alatawi, 2016: 1272; Fan, Flechtmann & Moraes, 2016: 84.

***Eustigmaeus yussufi* (Chaudhri, 1968)**

Ledermuelleria yussufi Chaudhri, 1968a: 16.

Eustigmaeus yussufi.—Fan, Flechtmann & Moraes, 2016: 88.

Eustigmaeus yussufii.—Khan, Afzal & Bashir, 2010: 152 (incorrect spelling).

Ledermuelleriopsis Willmann, 1953

Ledermuelleriopsis Willmann, 1953: 487.

***Ledermuelleriopsis punjabensis* Kamran, Alatawi & Bashir, 2014**

Ledermuelleriopsis punjabensis Kamran, Alatawi & Bashir, 2014: 678.

Ledermuelleriopsis punjabensis.—Rehman, Khan, Kamran & Alatawi, 2016: 1275; Fan, Flechtmann & Moraes, 2016: 93.

Pseudostigmaeus Wood, 1967*

Pseudostigmaeus Wood, 1967: 107.

***Pseudostigmaeus jhangensis* Khan, Bashir, Afzal, Honey, Tabassum & Qayyum, 2014**

Pseudostigmaeus jhangensis Khan, Bashir, Afzal, Honey, Tabassum & Qayyum, 2014: 146.

Pseudostigmaeus jhangensis.—Rehman, Khan, Kamran & Alatawi, 2016: 1275; Fan, Flechtmann & Moraes, 2016: 110.

Pseudostigmaeus jhangiensis.—Rehman, Khan, Kamran & Alatawi, 2016: 1275 (incorrect spelling).

Stigmaeus Koch, 1836

Stigmaeus Koch, 1836a: 9.

***Stigmaeus youngi* (Hirst, 1926)**

Raphignathus youngi Hirst, 1926b: 1023.

Stigmaeus youngi.—Fan, Flechtmann & Moraes, 2016: 136.

Storchia Oudemans, 1923

Storchia Oudemans, 1923a: 150.

Apostigmaeus Grandjean, 1944: 105.

***Storchia robusta* (Berlese, 1885)**

Caligonus robustus Berlese, 1885b: 6.

Apostigmaeus navicella Grandjean, 1944: 105.

Apostigmaeus navicella.—Chaudhri, Akbar & Rasool, 1979: 206.

Storchia robustus.—Fan & Yan, 1997: 162; Rehman, Khan, Kamran & Alatawi, 2016: 1273.

Storchia robusta.—Fan, Flechtmann & Moraes, 2016: 138.

Zetzellia Oudemans, 1927

Zetzellia Oudemans, 1927: 263.

***Zetzellia mali* (Ewing, 1917)**

Caligonus mali Ewing, 1917c: 499.

Zetzellia mali.—Maula & Khan, 2015: 155; Fan, Flechtmann & Moraes, 2016: 144.

***Zetzellia sialkotensis* Rehman, Khan, Kamran & Alatawi, 2016**

Zetzellia sialkotensis Rehman, Khan, Kamran & Alatawi, 2016: 1268.

Zetzellia sialkotensis.—Fan, Flechtmann & Moraes, 2016: 148.

Incompletely identified specimens in this family

Agistemus sp.—Khan, Afzal & Bashir, 2008: 1113.

Agistemus sp.—Khan, Bashir, Zia, Qayyoun & Sarwar, 2013: 300.

Agistemus sp.—Kazimi & Ghani, 1969b: Appendix I, ii.

Stigmatidae.—Haq & Afzal, 2007: 2206 (incorrect spelling).

Stigmaeidae sp.—Kazimi & Ghani, 1969b: Appendix I, ii.

SYRINGOPHILIDAE Lavoipierre, 1953

Syringophilidae Lavoipierre, 1953: 7.

***Castosyringophilus* Bochkov & Perez, 2002**

Castosyringophilus Bochkov & Perez, 2002: 151.

***Castosyringophilus meropis* Skoracki, Hromada & Sikora, 2017**

Castosyringophilus meropis Skoracki, Hromada & Sikora, 2017: 2.

***Picobia* Haller, 1878**

Picobia Haller, 1878: 91.

***Picobia phoeniculi* Fain, Bochkov & Mironov, 2000**

Picobia phoeniculi Fain, Bochkov & Mironov, 2000: 69.

Picobia phoeniculi.—Skoracki, Sikora & Spicer, 2016: 62.

TARSONEMIDAE Canestrini & Fanzago, 1878

Tarsonemini Canestrini & Fanzago, 1878: 194.

***Acarapis* Hirst, 1921**

Acarapis Hirst, 1921a: 378.

***Acarapis woodi* (Rennie, 1921)**

Tarsonemus woodi Rennie, 1921: 769.

Acarapis woodi.—Hirst, 1921b: 510; Delfinado-Baker & Baker, 1982: 217; Delfinado-Baker & Baker, 1983: 1; Khan, Chaudhry & Khawaja, 1987: 109; Ahmad, 1988: 88; Ahmad, 1995: 177; Lin & Zhang, 2002: 36; Chantawannakul, de Guzman, Li & Williams, 2016: 310.

***Iponemus* Lindquist, 1969**

Iponemus Lindquist, 1969: 8 (replacement name).

Moseria Beer & Nucifora, 1965: 35 (junior homonym).

***Iponemus gaebleri* (Schaarschmidt, 1959)**

Tarsonemoides gaebleri Schaarschmidt, 1959: 780.

Iponemus gaebleri himalayensis Lindquist, 1969: 31 (original spelling).

Iponemus gaebleri himalayense.—Lindquist, 1986: 323.

***Polyphagotarsonemus* Beer & Nucifora, 1965**

Polyphagotarsonemus Beer & Nucifora, 1965: 38.

***Polyphagotarsonemus latus* (Banks, 1904)**

Tarsonemus latus Banks, 1904: 55.

Polyphagotarsonemus latus.—Beer & Nucifora, 1965: 25; Zaman, 1990: 135; Gerson, 1992: 163; Akbar & Aheer, 1994: 342; Lin & Zhang, 2002: 119; Rizvi, Ikhtlaq, Rehman & Ayub, 2015: 370.

***Steneotarsonemus* Beer, 1954**

Steneotarsonemus Beer, 1954: 1229.

***Steneotarsonemus longicarpus* Lin & Zhang, 1997**

Steneotarsonemus longicarpus Lin & Zhang, 1997: 177.

Incompletely identified specimens in this family

Tarsonimidae sp.—Babar, Afzal, Bashir & Ali, 2005: 42 (incorrect spelling).

TENUIPALPIDAE Berlese, 1913

Tenuipalpini Berlese, 1913b: 17.

***Aegyptobia* Sayed, 1950**

Aegyptobia Sayed, 1950: 1015.

***Aegyptobia forma* Chaudhri, 1972**

Aegyptobia forma Chaudhri, 1972a: 20.

Aegyptobia forma.—Chaudhri, Akbar & Rasool, 1974: 9; Chaudhri & Akbar, 1985: 8; Akbar & Mushtaq, 1993: 153; Hasan & Akbar, 2002: 29; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 14; Kamran, Mushtaq & Alatawi, 2017: 107.

***Aegyptobia hamus* Chaudhri, 1972**

Aegyptobia hamus Chaudhri, 1972a: 20.

Aegyptobia hamus.—Chaudhri, Akbar & Rasool, 1974: 7; Chaudhri & Akbar, 1985: 9; Akbar & Mushtaq, 1993: 153; Hasan & Akbar, 2002: 29; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 15; Kamran, Mushtaq & Alatawi, 2017: 106.

***Aegyptobia karachiensis* Anwarullah & Khan, 1972**

Aegyptobia karachiensis Anwarullah & Khan, 1972: 55.

***Aegyptobia leiahensis* Chaudhri, Akbar & Rasool, 1974**

Aegyptobia leiahensis Chaudhri, Akbar & Rasool, 1974: 9.

Aegyptobia leiahensis.—Chaudhri & Akbar, 1985: 9; Akbar & Mushtaq, 1993: 153; Hasan & Akbar, 2002: 29; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 15; Kamran, Mushtaq & Alatawi, 2017: 107.

***Aegyptobia monitus* Chaudhri, 1972**

Aegyptobia monitus Chaudhri, 1972a: 19.

Aegyptobia monitus.—Chaudhri, Akbar & Rasool, 1974: 5; Chaudhri & Akbar, 1985: 9; Akbar & Mushtaq, 1993: 153; Hasan & Akbar, 2002: 29; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 16; Kamran, Mushtaq & Alatawi, 2017: 103.

***Aegyptobia nummulus* Chaudhri, 1972**

Aegyptobia nummulus Chaudhri, 1972a: 21.

Aegyptobia nummulus.—Chaudhri, Akbar & Rasool, 1974: 12; Chaudhri & Akbar, 1985: 8; Akbar & Mushtaq, 1993: 153; Hasan & Akbar, 2002: 29; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 17; Kamran, Mushtaq & Alatawi, 2017: 103.

***Aegyptobia parvus* Akbar & Mushtaq, 1993**

Aegyptobia parvus Akbar & Mushtaq, 1993: 153.

Aegyptobia parvus.—Hasan & Akbar, 2002: 29; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 17; Kamran, Mushtaq & Alatawi, 2017: 108.

***Aegyptobia salubris* Chaudhri, 1972**

Aegyptobia salubris Chaudhri, 1972a: 22.

Aegyptobia salubris.—Chaudhri, Akbar & Rasool, 1974: 14; Chaudhri & Akbar, 1985: 8; Akbar & Mushtaq, 1993: 153; Hasan & Akbar, 2002: 29; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 18; Kamran, Mushtaq & Alatawi, 2017: 103.

***Aegyptobia semper* Chaudhri & Akbar, 1985**

Aegyptobia semper Chaudhri & Akbar, 1985: 10.

Aegyptobia semper.—Hasan & Akbar, 2002: 29; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 18; Kamran, Mushtaq & Alatawi, 2017: 107.

Aegyptobia semper Akbar & Mushtaq, 1993: 154 (junior synonym and homonym).

***Aegyptobia sohanraensis* Hasan & Akbar, 2002**

Aegyptobia sohanraensis Hasan & Akbar, 2002: 30.

Aegyptobia sohanraensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 18; Kamran, Mushtaq & Alatawi, 2017: 107.

Brevipalpus Donnadieu*, 1876

Brevipalpus Donnadieu, 1876: 143.

Amissus Chaudhri, Akbar & Rasool, 1974: 31.

***Brevipalpus adelos* Ahmad & Akbar, 1984**

Brevipalpus adelos Ahmad & Akbar, 1984: 40.

Brevipalpus adelos.—Akbar & Aheer, 1994: 339; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 21.

***Brevipalpus alii* Hasan, Wakil, Bashir & Kwon, 2005**

Brevipalpus alii Hasan, Wakil, Bashir & Kwon, 2005a: 291.

***Brevipalpus apalos* Chaudhri & Akbar, 1985**

Brevipalpus apalos Chaudhri & Akbar, 1985: 69.

Brevipalpus apalos.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 22.

Brevipalpus apalos Akbar & Akbar, 1998: 21 (junior homonym and synonym).

***Brevipalpus arystis* Hasan, Ashfaq, Li & Wakil, 2004**

Brevipalpus arystis Hasan, Ashfaq, Li & Wakil, 2004: 178.

Brevipalpus arystis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 23.

***Brevipalpus californicus* (Banks, 1904)**

Tenuipalpus californicus Banks, 1904: 55.

Brevipalpus californicus.—Siddiqui, Chaudhri & Akbar, 1979: 15; Ahmad & Akbar, 1984: 39; Chaudhri & Akbar, 1985: 54; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 24.

***Brevipalpus citrensis* Iqbal, Akbar & Ali, 2007**

Brevipalpus citrensis Iqbal, Akbar & Ali, 2007: 114.

***Brevipalpus clypealis* Siddiqui, Chaudhri & Akbar, 1979**

Brevipalpus clypealis Siddiqui, Chaudhri & Akbar, 1979: 14.

Brevipalpus clypealis.—Ahmad & Akbar, 1984: 39; Akbar & Aheer, 1994: 340; Hasan, Akbar & Bashir, 2005: 40; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 26.

***Brevipalpus colens* Li, Hasan & Ashfaq, 2003**

Brevipalpus colens Li, Hasan & Ashfaq, 2003: 645.

Brevipalpus colens.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 26.

***Brevipalpus creber* Chaudhri, 1972**

Brevipalpus creber Chaudhri, 1972b: 58.

Brevipalpus creber.—Chaudhri, Akbar & Rasool, 1974: 45; Ahmad & Akbar, 1984: 38; Chaudhri & Akbar, 1985: 68; Akbar & Akbar, 1998: 24; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 27.

***Brevipalpus disparis* Chaudhri & Akbar, 1985**

Brevipalpus disparis Chaudhri & Akbar, 1985: 55.

Brevipalpus disparis.—Akbar & Khalid, 1999: 156; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 28.

***Brevipalpus dosis* Chaudhri, Akbar & Rasool, 1974**

Brevipalpus dosis Chaudhri, Akbar & Rasool, 1974: 37.

Brevipalpus dosis.—Ahmad & Akbar, 1984: 39; Chaudhri & Akbar, 1985: 52; Hasan, Wakil & Bashir, 2004b: 103; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 28.

***Brevipalpus ehsanii* Hasan, Bashir, Wakil & Afzal, 2003**

Brevipalpus ehsanii Hasan, Bashir, Wakil & Afzal, 2003: 355.

Brevipalpus ehsanii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 29.

***Brevipalpus favus* Chaudhri, 1972**

Brevipalpus favus Chaudhri, 1972b: 54.

Brevipalpus favus.—Chaudhri, Akbar & Rasool, 1974: 39; Chaudhri & Akbar, 1985: 52; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 29.

Brevipalpus favosus.—Ahmad & Akbar, 1984: 39 (incorrect spelling).

***Brevipalpus hafizii* Chaudhri & Akbar, 1985**

Brevipalpus hafizii Chaudhri & Akbar, 1985: 74.

Brevipalpus hafizii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 31.

Brevipalpus hafizii Akbar & Khalid, 1999: 159 (junior homonym and synonym).

***Brevipalpus hamzaii* Hasan, Wakil, Bashir & Kwon, 2005**

Brevipalpus hamzaii Hasan, Wakil, Bashir & Kwon, 2005b: 15.

Brevipalpus hamzaii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 32.

***Brevipalpus hashmii* Chaudhri & Akbar, 1985**

Brevipalpus hashmii Chaudhri & Akbar, 1985: 53.

Brevipalpus hashmi.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 32.

***Brevipalpus inermis* Akbar & Aheer, 1994**

Brevipalpus inermis Akbar & Aheer, 1994: 340.

Brevipalpus inermis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 33.

***Brevipalpus juncus* Chaudhri & Akbar, 1985**

Brevipalpus juncus Chaudhri & Akbar, 1985: 57.

Brevipalpus juncus.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 33.

Brevipalpus juncus Akbar & Khalid, 1999: 156 (junior homonym and synonym).

Brevipalpus karachiensis* Chaudhri, Akbar & Rasool, 1974

Brevipalpus karackiensis Chaudhri, Akbar & Rasool, 1974: 43 (incorrect spelling).

Brevipalpus karachiensis.—Ahmad & Akbar, 1984: 37; Chaudhri & Akbar, 1985: 72; Hasan, Akbar & Bashir, 2005: 40.

Brevipalpus karackiensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 34 (incorrect spelling).

***Brevipalpus kasuriensis* Chaudhri & Akbar, 1985**

Brevipalpus kasuriensis Chaudhri & Akbar, 1985: 78.

Brevipalpus kasuriensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 34.

***Brevipalpus khalidae* Hasan, Wakil, Bashir & Kwon, 2005**

Brevipalpus khalidae Hasan, Wakil, Bashir & Kwon, 2005b: 13.

Brevipalpus khalidae.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 34.

***Brevipalpus mingoraensis* Chaudhri & Akbar, 1985**

Brevipalpus mingoraensis Chaudhri & Akbar, 1985: 59.

Brevipalpus mingoraensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 36.

***Brevipalpus nocivus* Siddiqui, Chaudhri & Akbar, 1979**

Brevipalpus nocivus Siddiqui, Chaudhri & Akbar, 1979: 12.

Brevipalpus nocivus.—Ahmad & Akbar, 1984: 37; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 37.

***Brevipalpus obovatus* Donnadieu, 1876**

Brevipalpus obovatus Donnadieu, 1876: 144.

Brevipalpus obovatus.—Kazimi & Ghani, 1969b: 5; Chaudhri, 1972b: 60; Chaudhri, Akbar & Rasool, 1974: 48; Ahmad & Akbar, 1984: 38; Zaman, 1990: 135; Chaudhri & Akbar, 1985: 64; Gupta, 1992: 93; Hasan, Bashir, Wakil & Afzal, 2003: 355; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 37.

Tenuipalpus inornatus Banks, 1912: 97.

***Brevipalpus ochaliensis* (Chaudhri, Akbar & Rasool, 1974)**

Amissus ochaliensis Chaudhri, Akbar & Rasool, 1974: 31.

Brevipalpus ochaliensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 38.

***Brevipalpus ornantis* Chaudhri & Akbar, 1985**

Brevipalpus ornantis Chaudhri & Akbar, 1985: 60.

Brevipalpus ornantis.—Hasan, Ashfaq, Li & Wakil, 2004: 179; Hasan, Wakil, Bashir & Kwon, 2005b: 17; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 39.

***Brevipalpus orobos* Hasan, Akbar & Ashfaq, 2002**

Brevipalpus orobos Hasan, Akbar & Ashfaq, 2002: 55.

Brevipalpus orobos.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 39.

***Brevipalpus patulus* Chaudhri & Akbar, 1985**

Brevipalpus patulus Chaudhri & Akbar, 1985: 80.

Brevipalpus patulus.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 40.

***Brevipalpus persicanus* Chaudhri, Akbar & Rasool, 1974**

Brevipalpus persicanus Chaudhri, Akbar & Rasool, 1974: 51.

Brevipalpus persicanus.—Ahmad & Akbar, 1984: 39; Chaudhri & Akbar, 1985: 64; Iqbal, Akbar & Ali, 2007: 115; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 40.

***Brevipalpus phoenicis* (Geijskes, 1939)**

Tenuipalpus phoenicis Geijskes, 1939: 23.

Brevipalpus phoenicis.—Kazimi & Ghani, 1969b: 5; Sarwar, 2006a: 199; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 40.

***Brevipalpus plexus* Chaudhri, Akbar & Rasool, 1974**

Brevipalpus plexus Chaudhri, Akbar & Rasool, 1974: 41.

Brevipalpus plexus.—Siddiqui, Chaudhri & Akbar, 1979: 15; Ahmad & Akbar, 1984: 39; Chaudhri & Akbar, 1985: 48; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 41.

***Brevipalpus portheo* Chaudhri & Akbar, 1985**

Brevipalpus portheo Chaudhri & Akbar, 1985: 76.

Brevipalpus portheo.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 42.

Brevipalpus portheo Akbar & Khalid, 1999: 161 (junior homonym and synonym).

***Brevipalpus rapii* Hasan, Bashir, Wakil & Afzal, 2003**

Brevipalpus rapii Hasan, Bashir, Wakil & Afzal, 2003: 353.

Brevipalpus rapii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 44.

***Brevipalpus rhanis* Hasan, Akbar & Ashfaq, 2002**

Brevipalpus rhanis Hasan, Akbar & Ashfaq, 2002: 57.

Brevipalpus rhanis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 44.

***Brevipalpus rica* Chaudhri, 1972**

Brevipalpus rica Chaudhri, 1972b: 56.

Brevipalpus rica.—Chaudhri, Akbar & Rasool, 1974: 34; Ahmad & Akbar, 1984: 39; Chaudhri & Akbar, 1985: 52; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 44.

***Brevipalpus rosaensis* Hasan, Akbar & Bashir, 2005**

Brevipalpus rosaensis Hasan, Akbar & Bashir, 2005: 39.

***Brevipalpus rugulosus* Chaudhri, Akbar & Rasool, 1974**

Brevipalpus rugulosus Chaudhri, Akbar & Rasool, 1974: 45.

Brevipalpus rugulosus.—Siddiqui, Chaudhri & Akbar, 1979: 13; Ahmad & Akbar, 1984: 38; Chaudhri & Akbar, 1985: 70; Akbar & Akbar, 1998: 24; Hasan, Akbar & Ashfaq, 2002: 58; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 45.

***Brevipalpus sahi* Hasan, Wakil & Bashir, 2004**

Brevipalpus sahi Hasan, Wakil & Bashir, 2004b: 104.

Brevipalpus sahi.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 45.

***Brevipalpus salpizo* Hasan, Akbar & Ashfaq, 2002**

Brevipalpus salpizo Hasan, Akbar & Ashfaq, 2002: 53.

Brevipalpus salpizo.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 45.

***Brevipalpus shafii* Ahmad & Akbar, 1984**

Brevipalpus shafii Ahmad & Akbar, 1984: 41.

Brevipalpus shafii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 46.

***Brevipalpus shahbazii* Hasan, Sagheer & Gotoh, 2010**

Brevipalpus shahbazii Hasan, Sagheer & Gotoh, 2010: 529.

***Brevipalpus siph* Akbar & Aheer, 1990**

Brevipalpus siph Akbar & Aheer, 1990: 257.

Brevipalpus siph.—Hasan, Bashir, Wakil & Afzal, 2003: 355; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 46.

***Brevipalpus solidus* Chaudhri & Akbar, 1985**

Brevipalpus solidus Chaudhri & Akbar, 1985: 65.

Brevipalpus solidus.—Hasan, Wakil, Bashir & Kwon, 2005a: 293; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 46.

Brevipalpus solidus Akbar & Khalid, 1999: 156 (junior homonym and synonym).

***Brevipalpus spurcus* Chaudhri, 1972**

Brevipalpus spurcus Chaudhri, 1972b: 61.

Brevipalpus spurcus.—Chaudhri, Akbar & Rasool, 1974: 53; Ahmad & Akbar, 1984: 39; Akbar & Aheer, 1994: 340; Hasan, Wakil, Bashir & Kwon, 2005b: 15; Hasan, Akbar & Ashfaq, 2002: 56; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 47.

***Brevipalpus tiwanensis* Hasan, Wakil & Bashir, 2004**

Brevipalpus tiwanensis Hasan, Wakil & Bashir, 2004b: 105.

Brevipalpus tiwanensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 48.

***Brevipalpus utriculus* Chaudhri & Akbar, 1985**

Brevipalpus utriculus Chaudhri & Akbar, 1985: 70.

Brevipalpus utriculus.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 48.

***Brevipalpus ventus* Chaudhri & Akbar, 1985**

Brevipalpus ventus Chaudhri & Akbar, 1985: 67.

Brevipalpus ventus.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 49.

***Brevipalpus yothersi* Baker, 1949**

Brevipalpus yothersi Baker, 1949: 373.

Brevipalpus amicus Chaudhri, 1972b: 65.

Brevipalpus amicus.—Chaudhri, Akbar & Rasool, 1974: 55; Ahmad & Akbar, 1984: 39; Chaudhri & Akbar, 1985: 64; Akbar & Aheer, 1990: 259; Akbar & Aheer, 1994: 339; Akbar & Khalid, 1999: 159; Hasan, Wakil & Bashir, 2004b: 103.

Brevipalpus recula Chaudhri, 1972b: 63.

Brevipalpus recula.—Chaudhri, Akbar & Rasool, 1974: 57; Ahmad & Akbar, 1984: 39; Chaudhri & Akbar, 1985: 64; Hasan, Akbar & Bashir, 2005: 40; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 44.

Brevipalpus yothersi.—Beard, Ochoa, Braswell & Bauchan, 2015: 51.

***Brevipalpus ziaii* Chaudhri & Akbar, 1985**

Brevipalpus ziaii Chaudhri & Akbar, 1985: 73.

Brevipalpus ziaii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 49; Hasan, Sagheer & Gotoh, 2010: 530.

Brevipalpus ziaii Akbar & Akbar, 1998: 23 (junior homonym and synonym).

Cenopalpus Pritchard & Baker, 1958

Cenopalpus Pritchard & Baker, 1958: 190.

***Cenopalpus aratus* Chaudhri, 1971**

Cenopalpus aratus Chaudhri, 1971a: 71.

Cenopalpus aratus.—Chaudhri, Akbar & Rasool, 1974: 20; Akbar & Chaudhri, 1985: 270; Chaudhri & Akbar, 1985: 29; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 50.

***Cenopalpus capacis* Chaudhri, 1971**

Cenopalpus capacis Chaudhri, 1971a: 72.

Cenopalpus capacis.—Chaudhri, Akbar & Rasool, 1974: 22; Chaudhri & Akbar, 1985: 28; Akbar & Chaudhri, 1985: 270; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 50.

***Cenopalpus chitraliensis* Akbar & Chaudhri, 1985**

Cenopalpus chitraliensis Akbar & Chaudhri, 1985: 276.

Cenopalpus chitraliensis.—Chaudhri & Akbar, 1985: 35; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 51.

***Cenopalpus dignus* Akbar & Chaudhri, 1985**

Cenopalpus dignus Akbar & Chaudhri, 1985: 278.

Cenopalpus dignus.—Chaudhri & Akbar, 1985: 36; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 51.

***Cenopalpus favosus* Chaudhri, 1971**

Cenopalpus favosus Chaudhri, 1971a: 74.

Cenopalpus favosus.—Chaudhri, Akbar & Rasool, 1974: 25; Akbar & Chaudhri, 1985: 270; Chaudhri & Akbar, 1985: 29; Hasan, Akbar & Khalid, 2001: 3; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 51.

***Cenopalpus haqii* Akbar & Chaudhri, 1985**

Cenopalpus haqii Akbar & Chaudhri, 1985: 272.

Cenopalpus haqii.—Chaudhri & Akbar, 1985: 32; Hasan, Akbar & Khalid, 2001: 4; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 52.

***Cenopalpus homalos* Akbar & Chaudhri, 1985**

Cenopalpus homalos Akbar & Chaudhri, 1985: 280.

Cenopalpus homalos.—Chaudhri & Akbar, 1985: 39; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; *Cenopalpus homalos*.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 52.

***Cenopalpus iqbali* Iqbal, Akbar & Ali, 2007**

Cenopalpus iqbali Iqbal, Akbar & Ali, 2007: 115.

***Cenopalpus japonicus* Hasan, Akbar & Khalid, 2001**

Cenopalpus japonicus Hasan, Akbar & Khalid, 2001: 1.

Cenopalpus japonicus.—Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 52.

***Cenopalpus kritos* Hasan, Ashfaq, Li, Wakil & Bashir, 2004**

Cenopalpus kritos Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49.

Cenopalpus kritos.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 52.

***Cenopalpus limbatus* Akbar & Chaudhri, 1985**

Cenopalpus limbatus Akbar & Chaudhri, 1985: 280.

Cenopalpus limbatus.—Chaudhri & Akbar, 1985: 38; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Iqbal, Akbar & Ali, 2007: 118; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 52.

***Cenopalpus mughalii* Akbar & Aheer, 1990**

Cenopalpus mughalii Akbar & Aheer, 1990: 259.

Cenopalpus mughalii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 53.

***Cenopalpus orakiensis* Akbar & Chaudhri, 1985**

Cenopalpus orakiensis Akbar & Chaudhri, 1985: 283.

Cenopalpus orakiensis.—Chaudhri & Akbar, 1985: 41; Hasan, Akbar & Khalid, 2001: 3; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 54.

Cenopalpus picitilis* Chaudhri, 1971

Cenopalpus picitilis Chaudhri, 1971a: 75.

Cenopalpus picitilis.—Chaudhri, Akbar & Rasool, 1974: 27; Chaudhri & Akbar, 1985: 28; Akbar & Chaudhri, 1985: 270; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 54.

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

Caligonus pulcher Canestrini & Fanzago, 1876b: 134.

Cenopalpus pulcher.—Kazimi & Ghani, 1969b: 2; Maula & Khan, 2015: 155; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 55.

***Cenopalpus ramus* Manson, 1963**

Cenopalpus ramus Manson, 1963: 222.

Cenopalpus ramus.—Chaudhri, Akbar & Rasool, 1974: 20; Chaudhri & Akbar, 1985: 31; Akbar & Chaudhri, 1985: 270; Akbar & Aheer, 1990: 260; Hasan, Akbar & Khalid, 2001: 3; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 55.

***Cenopalpus saryabiensis* Akbar & Chaudhri, 1985**

Cenopalpus saryabiensis Akbar & Chaudhri, 1985: 270.

Cenopalpus saryabiensis.—Chaudhri & Akbar, 1985: 29; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 56.

***Cenopalpus sunniensis* Hasan, Ashfaq, Li, Wakil & Bashir, 2004**

Cenopalpus sunniensis Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 48.

Cenopalpus sunniensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 56.

***Cenopalpus virgulatus* Akbar & Chaudhri, 1985**

Cenopalpus virgulatus Akbar & Chaudhri, 1985: 274.

Cenopalpus virgulatus.—Chaudhri & Akbar, 1985: 33; Hasan, Ashfaq, Li, Wakil & Bashir, 2004: 49; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 57.

Larvacarus Baker & Pritchard, 1952

Larvacarus Baker & Pritchard, 1952: 130.

***Larvacarus transitans* (Ewing, 1922)**

Phytoptipalpus transitans Ewing, 1922: 108.

Larvacarus transitans.—Kazimi & Ghani, 1969b: 5; Chaudhri & Akbar, 1985: 283; Sarwar, 2006b: 262; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 61.

***Pentamerismus* McGregor, 1949**

Pentamerismus McGregor, 1949: 23.

***Pentamerismus oregonensis* McGregor, 1949**

Pentamerismus oregonensis McGregor, 1949: 27.

Pentamerismus oregonensis.—Chaudhri, Akbar & Rasool, 1974: 29; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 63.

***Phytoptipalpus* Trägårdh, 1904**

Phytoptipalpus Trägårdh, 1904: 9.

***Phytoptipalpus lepsis* Hasan, Ashfaq & Li, 2003**

Phytoptipalpus lepsis Hasan, Ashfaq & Li, 2003: 528.

Phytoptipalpus lepsis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 66.

***Phytoptipalpus lithos* Hasan, Ashfaq & Li, 2003**

Phytoptipalpus lithos Hasan, Ashfaq & Li, 2003: 527.

Phytoptipalpus lithos.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 66.

***Pseudoleptus* Bruyant, 1911**

Pseudoleptus Bruyant, 1911: 340.

***Pseudoleptus peshawariensis* Akbar & Chaudhri, 1983**

Pseudoleptus peshawariensis Akbar & Chaudhri, 1983: 49.

Pseudoleptus peshawariensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 68.

Pseudoleptus peshawariensis Chaudhri & Akbar, 1985: 25 (junior homonym and synonym).

Raoiella Hirst, 1924

Raoiella Hirst, 1924: 522.

Raoiella indica* Hirst, 1924

Raoiella indica Hirst, 1924: 522.

Raoiella indica.—Kazimi & Ghani, 1969b: 5; Chaudhri & Akbar, 1985: 16; Akbar & Chaudhri, 1987: 42; Akbar, 1990b: 75; Hasan & Akbar, 2000: 11; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 69; Beard, Ochoa, Bauchan, Pooley & Dowling, 2018: in press.

Raoiella camur Chaudhri & Akbar, 1985: 18.

Raoiella camur.—Akbar & Chaudhri, 1987: 42; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 69.

Raoiella camur Akbar, 1990b: 78 (junior homonym and synonym).

Raoiella empedos Chaudhri & Akbar, 1985: 16.

Raoiella empedos.—Akbar & Chaudhri, 1987: 42; Hasan & Akbar, 2000: 11; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 69.

Raoiella empedos Akbar, 1990b: 75 (junior homonym and synonym).

Raoiella neotericus Chaudhri & Akbar, 1985: 18.

Raoiella neotericus.—Akbar & Chaudhri, 1987: 42; Hasan & Akbar, 2000: 11; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 69.

Raoiella neotericus Akbar, 1990b: 78 (junior homonym and synonym).

Raoiella obelias Hasan & Akbar, 2000: 11.

Raoiella obelias.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 70.

Raoiella rahii Akbar & Chaudhri, 1987: 42.

Raoiella rahii.—Akbar, 1990b: 75; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 70.

Tenuipalpus Donnadieu, 1876*

Tenuipalpus Donnadieu, 1876: 139.

***Tenuipalpus chinariensis* Akbar & Chaudhri, 1981**

Tenuipalpus chinariensis Akbar & Chaudhri, 1981: 11.

Tenuipalpus chinariensis.—Chaudhri & Akbar, 1985: 103; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 76.

***Tenuipalpus citus* Chaudhri, Akbar & Rasool, 1974**

Tenuipalpus citus Chaudhri, Akbar & Rasool, 1974: 62.

Tenuipalpus citus.—Akbar & Chaudhri, 1981: 2; Chaudhri & Akbar, 1985: 92; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 76.

***Tenuipalpus decus* Chaudhri, Akbar & Rasool, 1974**

Tenuipalpus decus Chaudhri, Akbar & Rasool, 1974: 91.

Tenuipalpus decus.—Akbar & Chaudhri, 1981: 5; Chaudhri & Akbar, 1985: 103; Hasan, Akbar & Bashir, 2003: 207; Hasan, Wakil & Bashir, 2006: 385; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 78.

***Tenuipalpus dimensus* Chaudhri, 1971**

Tenuipalpus dimensus Chaudhri, 1971b: 205.

Tenuipalpus dimensus.—Chaudhri, 1972e: 19; Chaudhri, Akbar & Rasool, 1974: 73; Kauser, Akbar & Naz, 2008: 57; Chaudhri & Akbar, 1985: 98; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 78.

Tenuipalpus ghanii Kazimi, in Kazimi & Ghani, 1969b: 2 (*nomen nudum*).

Tenuipalpus ghanii Kazimi, 1972: 517.

Tenuipalpus ghanii.—Chaudhri & Akbar, 1985: 96.

***Tenuipalpus erasus* Chaudhri, 1971**

Tenuipalpus erasus Chaudhri, 1971b: 203.

Tenuipalpus erasus.—Chaudhri, 1972e: 19; Chaudhri, Akbar & Rasool, 1974: 79; Chaudhri & Akbar, 1985: 98; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 79.

***Tenuipalpus eremitus* Chaudhri, 1972**

Tenuipalpus eremitus Chaudhri, 1972e: 21.

Tenuipalpus eremitus.—Chaudhri, Akbar & Rasool, 1974: 83; Akbar & Chaudhri, 1981: 5; Chaudhri & Akbar, 1985: 94; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 79.

***Tenuipalpus eriophyoides* Baker, 1948**

Tenuipalpus eriophyoides Baker, 1948: 59.

Colopalpus eriophyoides.—Chaudhri, Akbar & Rasool, 1974: 98.

Tenuipalpus lapidosus Siddiqui & Chaudhri, 1972: 331.

Tenuipalpus lapidosus.—Chaudhri, 1972e: 18.

Tenuipalpus eriophyoides.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 79.

Tenuipalpus eriophyoides.—Moraes, Al-Shanfari & Da Silva, 2011: 65.

***Tenuipalpus ferosus* Akbar & Chaudhri, 1981**

Tenuipalpus ferosus Akbar & Chaudhri, 1981: 8.

Tenuipalpus ferosus.—Chaudhri & Akbar, 1985: 99; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 80.

***Tenuipalpus haripuriensis* Akbar & Chaudhri, 1981**

Tenuipalpus haripuriensis Akbar & Chaudhri, 1981: 10.

Tenuipalpus haripuriensis.—Chaudhri & Akbar, 1985: 102; Hasan, Akbar & Bashir, 2003: 207; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 82.

***Tenuipalpus hornotinus* Chaudhri, 1971**

Tenuipalpus hornotinus Chaudhri, 1971b: 207.

Tenuipalpus hornotinus.—Chaudhri, 1972e: 20; Chaudhri, Akbar & Rasool, 1974: 93; Akbar & Chaudhri, 1981: 6; Chaudhri & Akbar, 1985: 94; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 82.

***Tenuipalpus jandialensis* Kauser, Akbar & Naz, 2008**

Tenuipalpus jandialensis Kauser, Akbar & Naz, 2008: 58.

***Tenuipalpus jasmini* Khan, 1970**

Tenuipalpus jasmini Khan, 1970b: 292.

Tenuipalpus jasmini.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 83.

***Tenuipalpus jawadii* Hasan, Wakil & Bashir, 2004**

Tenuipalpus jawadii Hasan, Wakil & Bashir, 2004c: 98.

Tenuipalpus jawadii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 83.

***Tenuipalpus kenos* Hasan, Wakil & Bashir, 2004**

Tenuipalpus kenos Hasan, Wakil & Bashir, 2004a: 43.

Tenuipalpus kenos.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 84.

***Tenuipalpus legatus* Chaudhri, 1972**

Tenuipalpus legatus Chaudhri, 1972e: 23.

Tenuipalpus legatus.—Chaudhri, Akbar & Rasool, 1974: 77; Chaudhri & Akbar, 1985: 93; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 85.

***Tenuipalpus lustrabilis* Chaudhri, 1971**

Tenuipalpus lustrabilis Chaudhri, 1971b: 211.

Tenuipalpus lustrabilis.—Chaudhri, 1972e: 20; Chaudhri, Akbar & Rasool, 1974: 89; Akbar & Chaudhri, 1981: 5; Chaudhri & Akbar, 1985: 101; Hasan, Akbar & Bashir, 2003: 208; Hasan, Wakil & Bashir, 2006: 383; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 85.

***Tenuipalpus mandraensis* Hasan, Wakil & Bashir, 2004**

Tenuipalpus mandraensis Hasan, Wakil & Bashir, 2004a: 41.

Tenuipalpus mandraensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 86.

***Tenuipalpus metis* Hasan, Akbar & Bashir, 2003**

Tenuipalpus metis Hasan, Akbar & Bashir, 2003: 205.

Tenuipalpus metis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 87.

***Tenuipalpus mustus* Chaudhri, 1972**

Tenuipalpus mustus Chaudhri, 1972e: 25.

Tenuipalpus mustus.—Chaudhri, Akbar & Rasool, 1974: 87; Akbar & Chaudhri, 1981: 5; Chaudhri & Akbar, 1985: 101; Kausar, Akbar & Naz, 2008: 57; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 88.

***Tenuipalpus ortus* Chaudhri, 1972**

Tenuipalpus ortus Chaudhri, 1972e: 22.

Tenuipalpus ortus.—Chaudhri, Akbar & Rasool, 1974: 81; Akbar & Chaudhri, 1981: 5; Chaudhri & Akbar, 1985: 98; Kausar, Akbar & Naz, 2008: 60; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 89.

***Tenuipalpus pagina* Chaudhri, Akbar & Rasool, 1974**

Tenuipalpus pagina Chaudhri, Akbar & Rasool, 1974: 75.

Tenuipalpus pagina.—Chaudhri & Akbar, 1985: 93; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 89.

***Tenuipalpus pernicious* Chaudhri, Akbar & Rasool, 1974**

Tenuipalpus pernicious Chaudhri, Akbar & Rasool, 1974: 85.

Tenuipalpus pernicious.—Akbar & Chaudhri, 1981: 5; Chaudhri & Akbar, 1985: 99; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 90.

***Tenuipalpus pisinnus* Chaudhri, Akbar & Rasool, 1974**

Tenuipalpus pisinnus Chaudhri, Akbar & Rasool, 1974: 68.

Tenuipalpus pisinnus.—Akbar & Chaudhri, 1981: 3; Chaudhri & Akbar, 1985: 92; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 90.

***Tenuipalpus placitus* Chaudhri, 1971**

Tenuipalpus placitus Chaudhri, 1971b: 209.

Tenuipalpus placitus.—Chaudhri, Akbar & Rasool, 1974: 95; Akbar & Chaudhri, 1981: 6; Chaudhri & Akbar, 1985: 105; Hasan, Wakil & Bashir, 2006: 385; Kausar, Akbar & Naz, 2008: 62; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 90.

Tenuipalpus placitis.—Chaudhri, 1972e: 20 (incorrect spelling).

***Tenuipalpus punicae* Pritchard & Baker, 1958**

Tenuipalpus punicae Pritchard & Baker, 1958: 240.

Tenuipalpus punicae.—Kazimi & Ghani, 1969b: 2; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 91.

***Tenuipalpus raptor* Akbar & Chaudhri, 1981**

Tenuipalpus raptor Akbar & Chaudhri, 1981: 6.

Tenuipalpus raptor.—Chaudhri & Akbar, 1985: 96; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 92.

***Tenuipalpus rarus* Chaudhri, 1972**

Tenuipalpus rarus Chaudhri, 1972e: 20.

Tenuipalpus rarus.—Chaudhri, Akbar & Rasool, 1974: 65; Akbar & Chaudhri, 1981: 2; Chaudhri & Akbar, 1985: 95; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 92.

***Tenuipalpus reticulus* Siddiqui & Chaudhri, 1972**

Tenuipalpus reticulus Siddiqui & Chaudhri, 1972: 329.

Tenuipalpus reticulus.—Chaudhri, 1972e: 19; Chaudhri, Akbar & Rasool, 1974: 70; Akbar & Chaudhri, 1981: 3; Chaudhri & Akbar, 1985: 95; Kauser, Akbar & Naz, 2008: 57; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 92.

***Tenuipalpus sparsus* Chaudhri, Akbar & Rasool, 1974**

Tenuipalpus sparsus Chaudhri, Akbar & Rasool, 1974: 62.

Tenuipalpus sparsus.—Akbar & Chaudhri, 1981: 2; Chaudhri & Akbar, 1985: 92; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 94.

***Tenuipalpus stativus* Chaudhri, Akbar & Rasool, 1974**

Tenuipalpus stativus Chaudhri, Akbar & Rasool, 1974: 65.

Tenuipalpus stativus.—Akbar & Chaudhri, 1981: 3; Chaudhri & Akbar, 1985: 95; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 95.

***Tenuipalpus trisegmentus* Siddiqui & Chaudhri, 1972**

Tenuipalpus trisegmentus Siddiqui & Chaudhri, 1972: 329.

Tenuipalpus trisegments Siddiqui & Chaudhri, 1972: 328 (incorrect spelling).

Tenuipalpus trisementus Siddiqui & Chaudhri, 1972: 328 (incorrect spelling).

Tenuipalpus trisegmentus.—Chaudhri, 1972e: 19; Chaudhri, Akbar & Rasool, 1974: 70; Akbar & Chaudhri, 1981: 3; Chaudhri & Akbar, 1985: 96; Hasan, Wakil & Bashir, 2004a: 43; Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 96.

***Tenuipalpus umarii* Hasan, Wakil & Bashir, 2006**

Tenuipalpus umarii Hasan, Wakil & Bashir, 2006: 384.

Tenuipalpus umarii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 96.

***Tenuipalpus velitor* Hasan, Akbar & Bashir, 2003**

Tenuipalpus velitor Hasan, Akbar & Bashir, 2003: 208.

Tenuipalpus velitor.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 97.

***Tenuipalpus waqasii* Hasan, Wakil & Bashir, 2004**

Tenuipalpus waqasii Hasan, Wakil & Bashir, 2004c: 97.

Tenuipalpus waqasii.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 97.

***Tenuipalpus yarensis* Hasan, Bashir & Wakil, 2003**

Tenuipalpus yarensis Hasan, Bashir & Wakil, 2003: 360.

Tenuipalpus yarensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 98.

***Terminalichus* Anwarullah & Khan, 1974**

Terminalichus Anwarullah & Khan, 1974: 154.

***Terminalichus karachiensis* Anwarullah & Khan, 1974**

Terminalichus karachiensis Anwarullah & Khan, 1974: 154.

Terminalichus karachiensis.—Mesa, Ochoa, Welbourn, Evans & Moraes, 2009: 98.

Incompletely identified specimens in this family

Tenuipalpus sp.—Yunus & Yousuf, 1979: 71.

TETRANYCHIDAE Donnadieu, 1876

Tétranycidés Donnadieu, 1876: 37 (original spelling).

***Amphitetranychus* Oudemans, 1931**

Amphitetranychus Oudemans, 1931b: 224.

***Amphitetranychus viennensis* (Zacher, 1921)**

Tetranychus viennensis Zacher, 1921: 181.

Amphitetranychus viennensis.—Golpayegani, Saboori, Nowzari & Kamali, 2004: 69; Migeon & Dorkeld, 2017.

***Aplonobia* Womersley, 1940**

Aplonobia Womersley, 1940: 252.

***Aplonobia hyderabadiensis* (Chaudhri, Akbar & Rasool, 1974)**

Georgiobia hyderabadiensis Chaudhri, Akbar & Rasool, 1974: 124.

Aplonobia hyderabadiensis.—Migeon & Dorkeld, 2017.

***Aponychus* Rimando, 1966**

Aponychus Rimando, 1966: 107.

***Aponychus expansus* Chaudhri, 1972**

Aponychus expansus Chaudhri, 1972d: 166.

Aponychus expansus.—Chaudhri, Akbar & Rasool, 1974: 139; Migeon & Dorkeld, 2017.

***Aponychus lupus* Chaudhri, 1972**

Aponychus lupus Chaudhri, 1972d: 161.

Aponychus lupus.—Chaudhri, Akbar & Rasool, 1974: 135; Migeon & Dorkeld, 2017.

***Aponychus sulcatus* Chaudhri, 1972**

Aponychus sulcatus Chaudhri, 1972d: 164.

Aponychus sulcatus.—Chaudhri, Akbar & Rasool, 1974: 137; Migeon & Dorkeld, 2017.

***Bryobia* Koch, 1835**

Bryobia Koch, 1835a: 8.

Bryobia eharai* Pritchard & Keifer, 1958

Bryobia eharai Pritchard & Keifer, 1958: 506.

Bryobia eharai.—Chaudhri, Akbar & Rasool, 1974: 105; Migeon & Dorkeld, 2017.

***Bryobia longisetis* Rekk, 1947**

Bryobia longisetis Rekk, 1947: 655.

Bryobia longisetis.—Chaudhri, Akbar & Rasool, 1974: 105; Migeon & Dorkeld, 2017.

***Bryobia praetiosa* Koch, 1835**

Bryobia praetiosa Koch, 1835a: 8.

Bryobia praetiosa.—Chaudhri, Akbar & Rasool, 1974: 108; Hughes, 1976: 264; Gupta, 1992: 78; Migeon & Dorkeld, 2017.

***Bryobia rubrioculus* (Scheuten, 1857)**

Sannio rubrioculus Scheuten, 1857: 111.

Bryobia rubrioculus.—Kazimi & Ghani, 1969b: 2; Migeon & Dorkeld, 2017.

***Eotetranychus* Oudemans, 1931**

Eotetranychus Oudemans, 1931b: 224.

***Eotetranychus cernuus* Baker & Pritchard, 1960**

Eotetranychus cernuus Baker & Pritchard, 1960: 478.

Eotetranychus cernuus.—Kazimi & Ghani, 1969b: 2; Migeon & Dorkeld, 2017.

***Eotetranychus hirsti* Pritchard & Baker, 1955**

Eotetranychus hirsti Pritchard & Baker, 1955: 200 (replacement name).

Tetranychus fici Hirst, 1926a: 828 (junior homonym).

Tetranychus fici.—Rahman & Sapra, 1940: 186.

Eotetranychus hirsti.—Kazimi & Ghani, 1969b: 5; Gupta, 1992: 81; Migeon & Dorkeld, 2017.

***Eotetranychus pruni* (Oudemans, 1931)**

Tetranychus pruni Oudemans, 1931c: 195.

Eotetranychus pruni.—Kazimi & Ghani, 1969b: 5; Kazimi, 1972: 521; Migeon & Dorkeld, 2017.

***Eotetranychus suginamensis* (Yokoyama, 1932)**

Tetranychus suginamensis Yokoyama, 1932: 231.

Tetranychus mori Rahman & Sapra, 1940: 184.

Eotetranychus suginamensis.—Migeon & Dorkeld, 2017.

***Eutetranychus* Banks, 1917**

Neotetranychus (*Eutetranychus*) Banks, 1917: 197.

Anychus McGregor, 1919: 644.

***Eutetranychus mirpuriensis* Chaudhri, Akbar & Rasool, 1974**

Eutetranychus mirpuriensis Chaudhri, Akbar & Rasool, 1974: 159.

Eutetranychus mirpuriensis.—Migeon & Dorkeld, 2017.

Eutetranychus orientalis* (Klein, 1936)

Anychus orientalis Klein, 1936: 3.

Anychus ricini Rahman & Sapra, 1940: 194.

Eutetranychus orientalis.—Kazimi & Ghani, 1969b: 2; Kazimi, 1972: 521; Chaudhri, Akbar & Rasool, 1974: 142;

Chaudhri & Akbar, 1985: 269; Gupta, 1992: 80; Akbar & Aheer, 1994: 340; Khan & Afzal, 2005: 9;

Iqbal & Ali, 2008: 128; Migeon & Dorkeld, 2017.

***Eutetranychus papayensis* Iqbal & Ali, 2008**

Eutetranychus papayensis Iqbal & Ali, 2008: 126.

Eutetranychus papayensis.—Migeon & Dorkeld, 2017.

***Mixonychus* Ryke & Meyer, 1960**

Mixonychus Ryke & Meyer, 1960: 559.

Myxonychus Ryke & Meyer, 1960: 559 (incorrect spelling).

Bakerina Chaudhri, 1971c: 195.

***Mixonychus aculus* (Chaudhri, 1971)**

Bakerina aculus Chaudhri, 1971c: 197.

Bakerina aculus.—Chaudhri, Akbar & Rasool, 1974: 163.

Mixonychus aculus.—Migeon & Dorkeld, 2017.

***Mixonychus carracis* (Chaudhri, 1971)**

Bakerina carracis Chaudhri, 1971c: 199.

Bakerina carracis.—Chaudhri, Akbar & Rasool, 1974: 166.

Mixonychus carracis.—Migeon & Dorkeld, 2017.

***Mixonychus lepidus* (Chaudhri, 1971)**

Bakerina lepidus Chaudhri, 1971c: 196.

Bakerina lepidus.—Chaudhri, Akbar & Rasool, 1974: 163.

Mixonychus lepidus.—Migeon & Dorkeld, 2017.

***Mixonychus normalis* (Chaudhri, 1971)**

Bakerina normalis Chaudhri, 1971c: 200.

Bakerina normalis.—Chaudhri, Akbar & Rasool, 1974: 168.

Mixonychus normalis.—Migeon & Dorkeld, 2017.

***Oligonychus* Berlese, 1886**

Oligonychus Berlese, 1886c: 24.

***Oligonychus afrasiaticus* (McGregor, 1939)**

Paratetranychus afrasiaticus McGregor, 1939: 255.

Oligonychus afrasiaticus.—Migeon & Dorkeld, 2017; Rajput, Shah, Rajput, Wahocho & Khan, 2016: 91.

***Oligonychus indicus* (Hirst, 1923)**

Paratetranychus indicus Hirst, 1923: 990.

Paratetranychus indicus.—Rahman & Sapra, 1940: 189.

Oligonychus indicus.—Kazimi & Ghani, 1969b: 5; Gupta, 1992: 85; Migeon & Dorkeld, 2017.

***Oligonychus longus* Chaudhri, Akbar & Rasool, 1974**

Oligonychus longus Chaudhri, Akbar & Rasool, 1974: 147.

Oligonychus longus.—Migeon & Dorkeld, 2017.

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

Paratetranychus mangiferus Rahman & Sapra, 1940: 192.

Oligonychus mangiferus.—Kazimi & Ghani, 1969b: 5; Migeon & Dorkeld, 2017.

***Oligonychus pratensis* (Banks, 1912)**

Tetranychus pratensis Banks, 1912: 97.

Oligonychus pratensis.—Chaudhri, Akbar & Rasool, 1974: 149; Akbar & Aheer, 1994: 341; Migeon & Dorkeld, 2017.

***Panonychus* Yokoyama, 1929**

Panonychus Yokoyama, 1929: 531.

***Panonychus citri* (McGregor, 1916)**

Tetranychus citri McGregor, 1916: 286.

Panonychus citri.—Chaudhri, Akbar & Rasool, 1974: 142; Khan & Afzal, 2005: 9; Migeon & Dorkeld, 2017.

***Panonychus ulmi* (Koch, 1835)**

Tetranychus ulmi Koch, 1835a: 11.

Panonychus ulmi.—Maula & Khan, 2015: 155; Migeon & Dorkeld, 2017.

***Paraplonobia* Wainstein, 1960**

Aplonobia (*Paraplonobia*) Wainstein, 1960: 218.

***Paraplonobia concolor* Chaudhri, Akbar & Rasool, 1974**

Paraplonobia concolor Chaudhri, Akbar & Rasool, 1974: 130.

Paraplonobia concolor.—Migeon & Dorkeld, 2017; Kamran, Mirza & Alatawi, 2016: 29.

***Paraplonobia contiguus* (Chaudhri, Akbar & Rasool, 1974)**

Anaplonobia contiguus Chaudhri, Akbar & Rasool, 1974: 126.

Paraplonobia contiguus.—Migeon & Dorkeld, 2017; Kamran, Mirza & Alatawi, 2016: 29.

***Paraplonobia daryaensis* Chaudhri, Akbar & Rasool, 1974**

Paraplonobia daryaensis Chaudhri, Akbar & Rasool, 1974: 132.

Paraplonobia daryaensis.—Migeon & Dorkeld, 2017; Kamran, Mirza & Alatawi, 2016: 29.

***Paraplonobia penicillatus* Chaudhri, Akbar & Rasool, 1974**

Paraplonobia penicillatus Chaudhri, Akbar & Rasool, 1974: 128.

Paraplonobia penicillatus.—Migeon & Dorkeld, 2017; Kamran, Mirza & Alatawi, 2016: 48.

***Petrobia* Murray, 1877**

Petrobia Murray, 1877: 118.

Petrobia afzali* Sabri & Afzal, 2007

Petrobia afzali Sabri & Afzal, 2007: 135.

Petrobia afzali.—Sabri & Afzal, 2011: 29; Khanjani, Khanjani & Seeman, 2016: 1475; Migeon & Dorkeld, 2017.

***Petrobia cardi* Chaudhri, 1972**

Petrobia cardi Chaudhri, 1972c: 14.

Petrobia cardi.—Chaudhri, Akbar & Rasool, 1974: 120; Kamran & Afzal, 2004: 121; Sabri & Afzal, 2007: 137; Sabri & Afzal, 2011: 29; Khanjani, Khanjani & Seeman, 2016: 1475; Migeon & Dorkeld, 2017.

Petrobia chaudhrii* Sabri & Afzal, 2011

Petrobia chaudhrii Sabri & Afzal, 2011: 28.

Petrobia chaudhrii.—Khanjani, Khanjani & Seeman, 2016: 1475.

Petrobia chaudhrii.—Migeon & Dorkeld, 2017 (incorrect spelling).

Petrobia kleptes* Kamran & Afzal, 2004

Petrobia kleptes Kamran & Afzal, 2004: 122.

Petrobia kleptes.—Sabri & Afzal, 2011: 29; Khanjani, Khanjani & Seeman, 2016: 1475; Migeon & Dorkeld, 2017.

Petrobia kleptes.—Sabri & Afzal, 2008: 566 (incorrect spelling).

***Petrobia latens* (Müller, 1776)**

Acarus latens Müller, 1776: 187.

Petrobia latens.—Chaudhri, Akbar & Rasool, 1974: 116; Kamran & Afzal, 2004: 121; Sabri & Afzal, 2011: 29; Khanjani, Khanjani & Seeman, 2016: 1475; Migeon & Dorkeld, 2017.

Petrobia layyahensis* Sabri & Afzal, 2008

Petrobia layyahensis Sabri & Afzal, 2008: 566.

Petrobia layyahensis.—Sabri & Afzal, 2007: 137; Sabri & Afzal, 2011: 29; Khanjani, Khanjani & Seeman, 2016: 1475; Migeon & Dorkeld, 2017.

***Petrobia nocitus* Chaudhri, 1972**

Petrobia nocitus Chaudhri, 1972c: 15.

Petrobia nocitus.—Chaudhri, Akbar & Rasool, 1974: 122; Kamran & Afzal, 2004: 121; Sabri & Afzal, 2011: 29; Khanjani, Khanjani & Seeman, 2016: 1475; Migeon & Dorkeld, 2017.

***Petrobia tribulus* Chaudhri, 1972**

Petrobia tribulus Chaudhri, 1972c: 13.

Petrobia tribulus.—Chaudhri, Akbar & Rasool, 1974: 118; Kamran & Afzal, 2004: 121; Sabri & Afzal, 2011: 29; Khanjani, Khanjani & Seeman, 2016: 1475; Migeon & Dorkeld, 2017.

***Porcupinychus* Anwarullah, 1966**

Porcupinychus Anwarullah, 1966: 71.

Porcupinychus Anwarullah, Irshad & Akhtar, 1966: 256 (junior homonym and synonym).

***Porcupinychus abutiloni* Anwarullah, 1966**

Porcupinychus abutiloni Anwarullah, 1966: 71.

Porcupinychus abutiloni Anwarullah, Irshad & Akhtar, 1966: 256 (junior homonym and synonym).

Porcupinychus obutiloni.—Chaudhri, Akbar & Rasool, 1974: 114 (incorrect spelling).

Porcupinychus abutiloni.—Migeon & Dorkeld, 2017.

Schizotetranychus Trägårdh, 1915

Schizotetranychus Trägårdh, 1915: 19.

Schizotetranychus andropogoni (Hirst, 1926)

Tetranychus andropogoni Hirst, 1926a: 829.

Schizotetranychus andropogoni.—Gupta, 1992: 87; Migeon & Dorkeld, 2017.

Schizotetranychus mustafaii Mustafa & Chaudhri, 1972

Schizotetranychus mustafaii Mustafa & Chaudhri, 1972, in Mustafa, Chaudhri & Yunus, 1972: 107.

Schizotetranychus mustafaii.—Migeon & Dorkeld, 2017.

Schizotetranychus mustafai.—Chaudhri & Akbar, 1985: 282 (incorrect spelling).

Sonotetranychus Tuttle, Baker & Abbatiello, 1976

Sonotetranychus Tuttle, Baker & Abbatiello, 1976: 69.

Sonotetranychus daleae (Tuttle & Baker, 1968)

Anatetranychus daleae Tuttle & Baker, 1968: 110.

Anatetranychus daleae.—Chaudhri, Akbar & Rasool, 1974: 170.

Sonotetranychus daleae.—Migeon & Dorkeld, 2017.

Tetranychus Dufour, 1832*

Tetranychus Dufour, 1832: 279.

Tetranychus caro Akbar, 1990

Tetranychus caro Akbar, 1990a: 9.

Tetranychus erastes Akbar, 1990*

Tetranychus erastes Akbar, 1990: 7.

Tetranychus neocaledonicus (André, 1933)

Eotetranychus neocaledonicus André, 1933: 308.

Tetranychus cucurbitae Rahman & Sapra, 1940: 179.

Tetranychus cucurbitae.—Rahman & Sapra, 1946: 124; Akbar & Arif, 1986: 157; Akbar & Aheer, 1994: 341.

Tetranychus neocaledonicus.—Migeon & Dorkeld, 2017.

Tetranychus turkestanii (Ugarov & Nikolskii, 1937)

Eotetranychus turkestanii Ugarov & Nikolskii, 1937: 28.

Tetranychus atlanticus McGregor, 1941: 26.

Eotetranychus atlanticus.—Kazimi & Ghani, 1969b: 2.

Tetranychus turkestanii.—Migeon & Dorkeld, 2017; Jiang, Zhang, Guo, Zhang & Chen, 2017: 1181.

Tetranychus urticae Koch, 1835

Tetranychus urticae Koch, 1835a: 10.

Tetranychus telarius Linnaeus, 1758: 616.

Tetranychus cinnabarinus Boisduval, 1867: 88.

Tetranychus telarius.—Rahman & Sapra, 1940: 182; Anwarullah, Irshad & Akhtar, 1966: 256.

Tetranychus cinnabarinus.—Kazimi & Ghani, 1969b: 2.

Tetranychus urticae.—Kazimi & Ghani, 1969b: 2; Kazimi, 1972: 521; Chaudhri, Akbar & Rasool, 1974: 142;

Yunus & Yousuf, 1979: 71; Akbar & Aheer, 1994: 341; Khan & Afzal, 2005: 9; Iqbal & Ali, 2008: 128;

Maula & Khan, 2015: 155; Migeon & Dorkeld, 2017.

***Tetranychopsis* Canestrini, 1889**

Tetranychopsis Canestrini, 1889: 494.

***Tetranychopsis naraniensis* Chaudhri, Akbar & Rasool, 1974**

Tetranychopsis naraniensis Chaudhri, Akbar & Rasool, 1974: 112.

Tetranychopsis naraniensis.—Migeon & Dorkeld, 2017.

Incompletely identified specimens in this family

Eutetranychus sp.—Yunus & Yousuf, 1979: 71.

Eutetranychus sp.—Akbar & Hasan, 1991: 65.

Schizotetranychus sp.—Akram & Ahmad, 1982: 61.

Tetranychidae.—Akbar & Hasan, 1990: 87

TORRENTICOLIDAE Piersig, 1902

Torrenticolidae Piersig, 1902: 850.

***Torrenticola* Piersig, 1896**

Torrenticola Piersig, 1896a: 155.

***Torrenticola tetraporella* Cook, 1967**

Torrenticola tetraporella Cook, 1967: 61.

Torrenticola tetraporella.—Khatoon & Ali, 1989: 613.

TROMBICULIDAE Ewing, 1929

Trombiculinae Ewing, 1929a: 22.

***Ascoschoengastia* Ewing, 1946**

Ascoschöngastia Ewing, 1946: 71.

***Ascoschoengastia indica* (Hirst, 1915)**

Schoengastia indica Hirst, 1915: 187.

Ascoschoengastia indica.—Nasir, 1964: 84.

***Brunehaldia* Vercammen-Grandjean, 1960**

Euschoengastia (*Brunehaldia*) Vercammen-Grandjean, 1960: Table.

***Brunehaldia lucida* (Schluger, 1966)**

Euschongastia lucida Schluger, 1966: 213.

Euschoengastia lucida.—Vercammen-Grandjean & Langston, 1976: 885.

Brunehaldia lucida.—Kudryashova, 1998: 293; Daniel, Stekolnikov, Hakimitabar & Saboori, 2010: 1230.

***Cheladonta* Lipovsky, Crossley & Loomis, 1955**

Cheladonta Lipovsky, Crossley & Loomis, 1955: 137.

***Cheladonta ikaoensis* (Sasa, Sawada, Kano, Hayashi & Kumada, 1951)**

Neoschöngastia ikaoensis Sasa, Sawada, Kano, Hayashi & Kumada, 1951: 7.

Euschöngastia ikaoensis.—Sasa & Jameson, 1954: 259.

Cheladonta ikaoensis.—Kudryashova, 1998: 293; Daniel & Stekolnikov, 2005: 284.

***Ericotrombidium* Vercammen-Grandjean & Andre, 1966**

Ericotrombidium Vercammen-Grandjean & Andre, 1966: 65.

***Ericotrombidium gliricolens* (Hirst, 1915)**

Microtrombidium gliricolens Hirst, 1915: 185.

Leptotrombidium gliricolens.—Traub & Nadchatram, 1967: 10; Traub, Nadchatram & Ahmad, 1967: 37; Traub & Wisseman, 1968: 224; Vercammen-Grandjean & Langston, 1976: 776; Fernandes & Kulkarni, 2003: 188.

***Ericotrombidium jayewickremei* (Womersley, 1952)**

Trombicula jayewickremei Womersley, 1952: 138.

Leptotrombidium jayewickremei.—Traub & Nadchatram, 1967: 10; Traub, Nadchatram & Ahmad, 1967: 37; Traub & Wisseman, 1968: 224; Vercammen-Grandjean & Langston, 1976: 729; Kudryashova, 1998: 134; Fernandes & Kulkarni, 2003: 125.

Leptotrombidium jayawickremei.—Nasir, 1964: 84 (incorrect spelling).

***Ericotrombidium pseudogliricolens* (Vercammen-Grandjean & Langston, 1976)**

Leptotrombidium pseudogliricolens Vercammen-Grandjean & Langston, 1976: 780.

Leptotrombidium pseudogliricolens.—Fernandes & Kulkarni, 2003: 197.

***Euschoengastia* Ewing, 1938**

Euschöngastia Ewing, 1938b: 293.

***Euschoengastia comosa* Vercammen-Grandjean, Nadchatram & Traub, 1966**

Euschoengastia comosa Vercammen-Grandjean, Nadchatram & Traub, 1966: 453.

Euschoengastia comosa.—Vercammen-Grandjean & Langston, 1976: 882

***Gahrlipeia* Oudemans, 1912**

Gahrlipeia Oudemans, 1912: 273.

***Gahrlipeia barbigera* Traub & Morrow, 1957**

Gahrlipeia barbigera Traub & Morrow, 1957: 171.

Gahrlipeia barbigera.—Traub, Nadchatram & Ahmad, 1967: 40; Fernandes & Kulkarni, 2003: 399.

***Helenicula* Audy, 1954**

Euschoengastia (*Helenicula*) Audy, 1954: 152.

***Helenicula hirtipectoralis* Nadchatram & Traub, 1971**

Helenicula hirtipectoralis Nadchatram & Traub, 1971: 585.

***Helenicula kohlsi* (Philip & Woodward, 1946)**

Neoschongastia kohlsi Philip & Woodward, 1946: 159.

Helenicula kohlsi.—Nadchatram & Traub, 1971: 573; Kudryashova, 1998: 273; Fernandes & Kulkarni, 2003: 356.

***Helenicula lanius* (Radford, 1946)**

Neoschongastia lanius Radford, 1946: 262.

Helenicula lanius.—Nadchatram & Traub, 1971: 577; Kudryashova, 1998: 272; Fernandes & Kulkarni, 2003: 350.

***Helenicula miyagawai* (Sasa, Kumada & Miura, 1951)**

Euschöngastia miyagawai Sasa, Kumada & Miura, 1951: 19.

Euschöngastia miyagawai.—Sasa & Jameson, 1954: 262.

Helenicula miyagawai.—Nadchatram & Traub, 1971: 581; Fernandes & Kulkarni, 2003: 362.

***Helenicula wagamiya* Nadchatram & Traub, 1971**

Helenicula wagamiya Nadchatram & Traub, 1971: 580.

Helenicula wagamiya.—Daniel, Stekolnikov, Hakimitabar & Saboori, 2010: 1229.

***Leptotrombidium* Nagayo, Miyakawa, Mitamura & Imamura, 1916**

Leptotrombidium Nagayo, Miyakawa, Mitamura & Imamura, 1916: 393.

***Leptotrombidium besali* Vercammen-Grandjean & Langston, 1976**

Leptotrombidium besali Vercammen-Grandjean & Langston, 1976: 327.

Leptotrombidium besali.—Stekolnikov, 2013: 125.

***Leptotrombidium deliense* (Walch, 1922)**

Trombicula deliensis Walch, 1922: 552.

Leptotrombidium deliensis.—Nasir, 1964: 84.

Leptotrombidium deliense.—Traub & Nadchatram, 1967: 10; Traub, Nadchatram & Ahmad, 1967: 38; Traub & Wisseman, 1968: 224; Vercammen-Grandjean & Langston, 1976: 239; Fernandes & Kulkarni, 2003: 96; Stekolnikov, 2013: 64.

***Leptotrombidium dihumerale* Traub & Nadchatram, 1967**

Leptotrombidium dihumerale Traub & Nadchatram, 1967: 3.

Leptotrombidium n. sp. #1.—Traub, Wisseman & Ahmad, 1967: 36.

Leptotrombidium dihumerale.—Traub & Wisseman, 1968: 223; Vercammen-Grandjean & Langston, 1976: 591; Fernandes & Kulkarni, 2003: 103; Stekolnikov, 2013: 128.

Montivagum dihumerale.—Kudryashova, 1998: 121; Daniel, Stekolnikov, Hakimitabar & Saboori, 2010: 1228.

***Leptotrombidium irregulare* Traub & Nadchatram, 1967**

Leptotrombidium irregulare Traub & Nadchatram, 1967: 9.

Leptotrombidium n. sp. #2.—Traub, Wisseman & Ahmad, 1967: 36.

Leptotrombidium irregulare.—Traub & Wisseman, 1968: 223; Vercammen-Grandjean & Langston, 1976: 496; Fernandes & Kulkarni, 2003: 122; Stekolnikov, 2013: 112.

***Leptotrombidium lagone* Vercammen-Grandjean & Langston, 1976**

Leptotrombidium lagone Vercammen-Grandjean & Langston, 1976: 504.

Leptotrombidium lagone.—Fernandes & Kulkarni, 2003: 134; Stekolnikov, 2013: 134.

***Leptotrombidium myotis* (Ewing, 1929)**

Trombicula myotis Ewing, 1929b: 294.

Leptotrombidium myotis.—Vercammen-Grandjean & Langston, 1976: 290; Stekolnikov, 2013: 96.

Trombicula eptesici Brennan, 1947: 247.

Leptotrombidium eptesici.—Traub & Nadchatram, 1967: 10.

***Leptotrombidium parapalpalis* (Womersley, 1952)**

Trombicula parapalpalis Womersley, 1952: 55 (original spelling).

Leptotrombidium parapalpale.—Traub & Nadchatram, 1967: 10; Traub, Wisseman & Ahmad, 1967: 36; Vercammen-Grandjean & Langston, 1976: 496; Fernandes & Kulkarni, 2003: 149; Stekolnikov, 2013: 134.

***Leptotrombidium peniscutum* Vercammen-Grandjean, Nadchatram & Traub, 1966**

Leptotrombidium peniscutum Vercammen-Grandjean, Nadchatram & Traub, 1966: 451.

Leptotrombidium peniscutum.—Traub & Nadchatram, 1967: 10; Vercammen-Grandjean & Langston, 1976: 379; Fernandes & Kulkarni, 2003: 154; Stekolnikov, 2013: 53.

***Leptotrombidium puta* (Womersley, 1952)**

Trombicula (? *Leptotrombidium*) *puta* Womersley, 1952: 57.

Leptotrombidium puta.—Traub & Nadchatram, 1967: 10; Traub, Wisseman & Ahmad, 1967: 36; Vercammen-Grandjean & Langston, 1976: 605; Fernandes & Kulkarni, 2003: 156; Stekolnikov, 2013: 135.

***Leptotrombidium raropinne* (Schluger, 1957)**

Trombicula raropinne Schluger, 1957: 66 (original spelling).

Leptotrombidium raropinne.—Vercammen-Grandjean & Langston, 1976: 496; Stekolnikov, 2013: 127.

Montivagum raropinne.—Kudryashova, 1998: 119; Daniel, Stekolnikov, Hakimitabar & Saboori, 2010: 1228.

Leptotrombidium abidi Traub & Nadchatram, 1967: 4.

Leptotrombidium abidi.—Vercammen-Grandjean & Langston, 1976: 583.

***Leptotrombidium rupestre* Traub & Nadchatram, 1967**

Leptotrombidium rupestre Traub & Nadchatram, 1967: 4.

Leptotrombidium n. sp. #3.—Traub, Wisseman & Ahmad, 1967: 36.

Leptotrombidium rupestre.—Traub & Wisseman, 1968: 223; Vercammen-Grandjean & Langston, 1976: 509; Fernandes & Kulkarni, 2003: 160; Stekolnikov, 2013: 101.

***Leptotrombidium sialkotense* Vercammen-Grandjean & Langston, 1976**

Leptotrombidium imphalum sialkotense Vercammen-Grandjean & Langston, 1976: 260.

Leptotrombidium sialkotense.—Stekolnikov, 2013: 63.

***Leptotrombidium silvaticum* Hushcha & Schluger, 1967**

Leptotrombidium silvaticum Hushcha & Schluger, 1967: 71.

Leptotrombidium silvaticum.—Kudryashova, 1998: 111.

Leptotrombidium pakistanum Vercammen-Grandjean & Langston, 1976: 397.

Leptotrombidium pakistanum.—Fernandes & Kulkarni, 2003: 147; Stekolnikov, 2013: 61.

***Leptotrombidium subintermedium* (Jameson & Toshioka, 1954)**

Trombicula subintermedia Jameson & Toshioka, 1954: 17 (original spelling).

Leptotrombidium subintermedium.—Traub & Nadchatram, 1967: 10; Traub, Wisseman & Ahmad, 1967: 36;

Traub & Wisseman, 1968: 223; Vercammen-Grandjean & Langston, 1976: 440; Fernandes & Kulkarni, 2003: 174; Stekolnikov, 2013: 80.

***Leptotrombidium tithwalense* (Womersley, 1952)**

Trombicula tithwalensis Womersley, 1952: 123 (original spelling).

Leptotrombidium tithwalense.—Traub & Nadchatram, 1967: 10; Traub, Wisseman & Ahmad, 1967: 36; Traub &

Wisseman, 1968: 223; Vercammen-Grandjean & Langston, 1976: 498; Fernandes & Kulkarni, 2003: 179; Stekolnikov, 2013: 134.

***Microtrombicula* Ewing, 1950**

Eutrombicula (*Microtrombicula*) Ewing, 1950: 297.

***Microtrombicula alpicula* Traub & Nadchatram, 1966**

Microtrombicula alpicula Traub & Nadchatram, 1966b: 311.

Microtrombicula alpicula.—Fernandes & Kulkarni, 2003: 213.

***Microtrombicula anastosi* Traub & Nadchatram, 1966**

Microtrombicula anastosi Traub & Nadchatram, 1966b: 320.

***Microtrombicula buxtoni* (Womersley, 1952)**

Trombicula buxtoni Womersley, 1952: 124.

Microtrombicula buxtoni.—Traub & Nadchatram, 1966b: 316; Fernandes & Kulkarni, 2003: 217.

***Microtrombicula humeroventrala* Daniel & Stekolnikov, 2005**

Microtrombicula humeroventrala Daniel & Stekolnikov, 2005: 277.

***Microtrombicula khurdangensis* (Womersley, 1952)**

Trombicula khurdangensis Womersley, 1952: 119.

Microtrombicula khurdangensis.—Traub & Nadchatram, 1966b: 311; Traub, Nadchatram & Ahmad, 1967: 38; Fernandes & Kulkarni, 2003: 226.

***Microtrombicula latens* Traub & Nadchatram, 1966**

Microtrombicula latens Traub & Nadchatram, 1966b: 312.

Microtrombicula latens.—Fernandes & Kulkarni, 2003: 228.

***Microtrombicula perissochaeta* Traub & Nadchatram, 1966**

Microtrombicula perissochaeta Traub & Nadchatram, 1966b: 318.

Microtrombicula perissochaeta.—Fernandes & Kulkarni, 2003: 236.

***Microtrombicula rajoriensis* (Womersley, 1952)**

Trombicula rajoriensis Womersley, 1952: 120.

Microtrombicula rajoriensis.—Traub & Nadchatram, 1966b: 315; Fernandes & Kulkarni, 2003: 240.

***Microtrombicula tirichmirensis* Daniel & Stekolnikov, 2005**

Microtrombicula tirichmirensis Daniel & Stekolnikov, 2005: 280.

***Microtrombicula ventricosa* Traub & Nadchatram, 1966**

Microtrombicula ventricosa Traub & Nadchatram, 1966b: 308.

Microtrombicula ventricosa.—Fernandes & Kulkarni, 2003: 255.

***Neotrombicula* Hirst, 1925**

Trombicula (*Neotrombicula*) Hirst, 1925b: 609.

***Neotrombicula autumnalis* (Shaw, 1790)**

Neotrombicula autumnalis Shaw, 1790: Plate 42.

Trombicula autumnale.—Hirst, 1925b: 609.

Neotrombicula autumnalis.—Traub, Nadchatram & Ahmad, 1967: 36; Traub & Wisseman, 1968: 223; Kudryashova, 1998: 176; Fernandes & Kulkarni, 2003: 267.

Trombicula autumnalis.—Mullen & OConnor, 2009: 442.

***Neotrombicula kashmirensis* (Womersley, 1952)**

Trombicula kashmirensis Womersley, 1952: 120.

Neotrombicula kashmirensis.—Traub, Nadchatram & Ahmad, 1967: 36; Traub & Wisseman, 1968: 223; Fernandes & Kulkarni, 2003: 285.

***Neotrombicula lubrica* Kudryashova, 1993**

Neotrombicula lubrica Kudryashova, 1993: 4.

Neotrombicula lubrica.—Kudryashova, 1998: 195; Daniel & Stekolnikov, 2005: 284; Daniel, Stekolnikov, Hakimitabar & Saboori, 2010: 1227.

***Neotrombicula microti* (Ewing, 1928)**

Trombicula microti Ewing, 1928: 80.

Neotrombicula microti.—Traub, Nadchatram & Ahmad, 1967: 40; Kudryashova, 1998: 219; Fernandes & Kulkarni, 2003: 286.

***Neotrombicula monticola* Schluger & Davydov, 1967**

Neotrombicula monticola Schluger & Davydov, 1967: 19.

Neotrombicula monticola.—Kudryashova, 1998: 208; Daniel & Stekolnikov, 2005: 283.

***Neotrombicula tianshana* Shao & Wen, 1984**

Neotrombicula tianshana Shao & Wen, 1984: 167.

Neotrombicula tianshana.—Daniel & Stekolnikov, 2005: 284.

Schoengastiella Hirst, 1915
Schöngastiella Hirst, 1915: 188.

Schoengastiella gammonsi (Traub & Evans, 1954)
Gahrlepiea gammonsi Traub & Evans, 1954: 100.
Schoengastiella gammonsi.—Traub, Wisseman & Ahmad, 1967: 40; Fernandes & Kulkarni, 2003: 445.

Schoengastiella kalrata (Traub & Evans, 1954)
Gahrlepiea kalrata Traub & Evans, 1954: 98.
Schoengastiella kalrata.—Traub, Wisseman & Ahmad, 1967: 36; Traub & Wisseman, 1968: 223; Fernandes & Kulkarni, 2003: 452.

Schoengastiella ligula Radford, 1946
Schöngastiella ligula Radford, 1946: 256.
Gahrlepiea ligula.—Traub & Evans, 1954: 100; Nasir, 1964: 84.
Schoengastiella ligula.—Traub, Wisseman & Ahmad, 1967: 36; Kudryashova, 1998: 312; Fernandes & Kulkarni, 2003: 456; Daniel, Stekolnikov, Hakimitabar & Saboori, 2010: 1230.

Shunsennia Jameson & Toshioka, 1953
Shunsennia Jameson & Toshioka, 1953: 89.

Shunsennia nurahmadi (Traub & Nadchatram, 1966)
Chatia nurahmadi Traub & Nadchatram, 1966a: 380.

Shunsennia oudemansi (Schluger, 1955)
Hannemania oudemansi Schluger, 1955: 203.
Shunsennia oudemansi.—Kudryashova, 1998: 72; Daniel & Stekolnikov, 2005: 284; Daniel, Stekolnikov, Hakimitabar & Saboori, 2010: 1230.

Shunsennia wissemani (Traub & Nadchatram, 1966)
Chatia wissemani Traub & Nadchatram, 1966a: 378.
Shunsennia wissemani.—Traub, Wisseman & Ahmad, 1967: 36; Traub & Wisseman, 1968: 223; Fernandes & Kulkarni, 2003: 53.

Trombicula Berlese, 1905
Trombicula Berlese, 1905a: 155.

Trombicula hypodermata Nadchatram & Traub, 1966
Trombicula hypodermata Nadchatram & Traub, 1966: 46.
Trombicula hypodermata.—Nadchatram, Traub & Ahmad, 1967: 38; Fernandes & Kulkarni, 2003: 67.

Trombicula stoliczkai Daniel & Stekolnikov, 2005
Trombicula stoliczkai Daniel & Stekolnikov, 2005: 274.

Incompletely identified specimens in this family

Acomatacarus (?) #1.—Traub, Wisseman & Ahmad, 1967: 37.
Ascoschoengastia species.—Traub & Wisseman, 1968: 223.
Brunehaldia sp.—Daniel & Stekolnikov, 2005: 284.
Cheladonta species (?).—Traub, Wisseman & Ahmad, 1967: 38.
Euschoengastia n. sp. #2.—Traub, Wisseman & Ahmad, 1967: 37.
Euschoengastia n. sp. #3.—Traub, Wisseman & Ahmad, 1967: 37.
Helenicula species (?).—Traub, Wisseman & Ahmad, 1967: 36.
Helenicula species.—Traub & Wisseman, 1968, 223.

Leptotrombidium species.—Traub & Wisseman, 1968: 223.
Microtrombicula n. sp. #1.—Traub, Wisseman & Ahmad, 1967: 37.
Microtrombicula n. sp. #2.—Traub, Wisseman & Ahmad, 1967: 36.
Microtrombicula n. sp. #3.—Traub, Wisseman & Ahmad, 1967: 38.
Microtrombicula n. sp. #4.—Traub, Wisseman & Ahmad, 1967: 41.
Microtrombicula species.—Traub & Wisseman, 1968, 223.
Neotrombicula species (?) #1.—Traub, Wisseman & Ahmad, 1967: 38.
Neotrombicula species (?) #2.—Traub, Wisseman & Ahmad, 1967: 38.
Neotrombicula species (?) #3.—Traub, Wisseman & Ahmad, 1967: 37.
Neotrombicula species.—Traub & Wisseman, 1968: 223.
Schoengastiella species #1.—Traub, Wisseman & Ahmad, 1967: 41.
Schoengastiella species #2.—Traub, Wisseman & Ahmad, 1967: 41.
Schoengastiella species #3.—Traub, Wisseman & Ahmad, 1967: 41.
Schoengastiella species #4.—Traub, Wisseman & Ahmad, 1967: 41.
Schoengastiella species #5.—Traub, Wisseman & Ahmad, 1967: 40.
Schoengastiella species.—Traub & Wisseman, 1968: 223.
Schoutedenichia species.—Nasir, 1964: 84.
Schoutedenichia species.—Traub, Wisseman & Ahmad, 1967: 42.
Schoutedenichia species (?) #2.—Traub, Wisseman & Ahmad, 1967: 38.
Tecomatlana species (?) #1.—Traub, Wisseman & Ahmad, 1967: 40.
Trombiculidae species.—Kakarsulemankhel & Yasinzai, 1999: 613.
Walchia.—Traub, Wisseman & Ahmad, 1967: 40.

TROMBIDIIDAE Leach, 1815

Trombidides Leach, 1815: 395 (original spelling).

***Dinothrombium* Oudemans, 1910**

Dinothrombium Oudemans, 1910b: 48.

***Dinothrombium tinctorium* (Linnaeus, 1767)**

Acarus tinctorius Linnaeus, 1767: 1025.

Dinothrombium tinctorium.—Newell, 1979: 425; Anwar, Tahir & Ahmad, 2004: 21; Mağol, 2007: 60; Mağol & Wohltmann, 2012: 450.

Incompletely identified specimens in this family

Allothrombium sp.—Mağol, 2007: 28*.

Paratrombium sp.—Mağol, 2007: 99*.

Trombididae.—Jan & Gul, 1994: 86 (incorrect spelling).

TUCKERELLIDAE Baker & Pritchard, 1953

Tuckerellidae Baker & Pritchard, 1953: 250.

***Tuckerella* Womersley, 1940**

Tuckerella Womersley, 1940: 244.

***Tuckerella ablutus* Chaudhri, 1971**

Tuckerella ablutus Chaudhri, 1971d: 81.

Tuckerella ablutus.—Chaudhri, Akbar & Rasool, 1974: 173; Meyer & Ueckermann, 1997: 87.

***Tuckerella equalis* Chaudhri, 1971**

Tuckerella equalis Chaudhri, 1971d: 80.

Tuckerella equalis.—Chaudhri, Akbar & Rasool, 1974: 175; Meyer & Ueckermann, 1997: 87.

***Tuckerella ghotkiensis* Chaudhri, Akbar & Rasool, 1974**

Tuckerella ghotkiensis Chaudhri, Akbar & Rasool, 1974: 175.

Tuckerella ghotkiensis.—Meyer & Ueckermann, 1997: 87.

***Tuckerella murreensis* Chaudhri, 1971**

Tuckerella murreensis Chaudhri, 1971d: 84.

Tuckerella murreensis.—Chaudhri, Akbar & Rasool, 1974: 178; Meyer & Ueckermann, 1997: 87.

***Tuckerella saetula* Chaudhri, 1971**

Tuckerella saetula Chaudhri, 1971d: 83.

Tuckerella saetula.—Chaudhri, Akbar & Rasool, 1974: 180; Meyer & Ueckermann, 1997: 87.

TYDEIDAE Kramer, 1877

Tydeidae Kramer, 1877a: 232 (original spelling).

***Tydeus* Koch, 1836**

Tydeus Koch, 1836a: 11.

Tydeus interruptus* Thor, 1932

Tydeus interruptus Thor, 1932: 71.

Tydeus interruptus.—Anwarullah, 1976: 41; Hughes, 1976: 261; Kazmierski, 1998: 357.

Incompletely identified specimens in this family

Orthotydeus sp.—Maula & Khan, 2015: 155.

Tydeus sp.—Anwarullah, Khan, Hasan & Husain, 1968: 295.

Tydeus sp.—Kazimi & Ghani, 1969b: Appendix I, iii.

Tydeidae.—Akbar & Hasan, 1990: 87.

UNIONICOLIDAE Oudemans, 1909

Unionicolidae Oudemans, 1909: 60.

***Unionicola* Haldeman, 1842**

Unionicola Haldeman, 1842: 1.

***Unionicola thompsoni* Cook, 1974**

Unionicola thompsoni Cook, 1974: 447.

Unionicola thompsoni.—Khatoun & Ali, 1989: 613.

EXPLANATORY NOTES AND COMMENTS

This section provides clarification of some difficult taxonomic and nomenclatural problems that are marked with an asterisk (*) in the main list above.

Acaropsellina

The type species of *Acaropsis* Moquin-Tandon, 1860 is *Tyroglyphus mericourti* Laboulbène, 1851, which cannot be recognised (Summers, 1976). *Acaropsis* is probably a junior synonym of *Cheyletus*. All the other species that were previously placed in *Acaropsis* have been transferred to *Acaropsellina*, following Summers (1976) and Gerson, Fain & Smiley (1999).

Farooq (2000), Haq & Zia (2001a, 2001b) and Haq, Khan & Rasool (2004) referred to the following species: *Acaropsis semper* Baloch, *Acaropsis atavus* Baloch, *Acaropsis delicatus* Baloch, *Acaropsis*

recisus Baloch, *Acaropsis ferocis* Baloch, *Acaropsis erica* Baloch, and *Acaropsis decus* Baloch. These species were described in an unpublished thesis (Baloch, 1991), and their names are therefore not available. The use of these names by other authors after 2000 does not make them available because type specimens have not been designated (*International Code of Zoological Nomenclature*, Article 16). Akbar, Jahan & Qazi (2007) referred to *Acaropsis remper* Baluch, which may be an incorrect spelling of *Acaropsis semper* Baloch.

Acaropsellina venutus

Akbar, Mushtaq & Akbar (1999) referred to the name of this species as *Acaropsis venutus* three times, including the heading of the description, and as *Acaropsis venustus* twice. The latter spelling is here interpreted as a typographical error.

Acarus ebrius

The description of this species lacks the usual heading stating the species' name. The name of the new species is made available in the key on page 226, and the description begins with the heading HYPOPUS on page 233.

Acarus sentus

The description of this species lacks the usual heading stating the species' name. The name of the new species is made available in the key on page 226, and the description begins with the heading HYPOPUS on page 231.

Acarus umbonis

The description of this species lacks the usual heading stating the species' name. The name of the new species is made available in the key on page 226, and the description begins with the heading HYPOPUS on page 228.

Aceria litchii

Haque, Naher & Uddin-Hasan (2002) incorrectly cited the author of *Aceria litchii* as Channabasavanna.

Acotyledon

Ashfaq & Sarwar (1999b) referred to the species *Acotyledon secutor*, *A. solor* and *A. dasys*. The species were not formally described, were not specifically referred to as new species, and do not have designated type specimens. However, the descriptive information in their Table 1 is enough to make these names available, since this information was not mandatory under the *International Code of Zoological Nomenclature* until after 1999 (Article 16).

Acotyledon bellulus

This species name appears in the key to species in Ashfaq, Chaudhri, Sher & Aslam (1987), with authorship attributed to Sher. This appears to refer to a description of this species in an unpublished Master's thesis, which does not make the name available. The name is made available by the diagnosis of the species in the key in Ashfaq, Chaudhri, Sher & Aslam (1987).

Acotyledon falki

This species name appears in the key to species in Ashfaq, Chaudhri, Sher & Aslam (1987), with authorship attributed to Sher. This appears to refer to a description of this species in an unpublished Master's thesis, which does not make the name available. The name is made available by the diagnosis of the species in the key in Ashfaq, Chaudhri, Sher & Aslam (1987).

Acotyledon tariqi

In the paper in which this species is described, its name is spelled *tariqi* eight times and *tariqii* twice. The latter is here interpreted as a typographical mistake. The name *tariqi* is also spelled incorrectly as *tariqii* in Ashfaq, Sher & Chaudhri (1990).

Agistemus

Khan, Bashir, Farooq & Khan (2010) referred to a species named *Agistemus layyahensis*. A diagnosis of the species is provided in the form of a key, but type specimens are not designated, and the species is not specifically stated as new, so the name *Agistemus layyahensis* is not available from that source. Khan, Afzal, Bashir, Farooq & Ghaffar (2016) then referred to *Agistemus layyahensis* as a new species. In the same 2016 publication they also referred to *Agistemus burewalaensis* (n.sp.), *Agistemus saeedii* (n.sp.)

and *Agistemus officinarum* (n.sp.). None of these names is available because the journal *Advances in Plants & Agriculture Research* (ISSN: 2373-6402) is issued in electronic form only, and the paper is not registered in ZooBank. Publication in this form does not meet the criteria for publication in the *International Code of Zoological Nomenclature*.

Agistemus buntex

Rehman, Khan, Kamran & Alatawi (2016) incorrectly referred to the authorship of *Agistemus buntex* as Chaudhri, Akbar & Rasool, 1974: 194.

Allothrombium

Maqol (2007, Figure 78) showed the genus *Allothrombium* as present in Pakistan, but did not provide details.

Amblyomma americanum

Records of *Amblyomma americanum* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Amblyomma maculatum

Records of *Amblyomma maculatum* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Amblyomma pomposum

Records of *Amblyomma pomposum* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Amblyseius caricus

The description and illustrations of this species refer to *Amblyseius caricus* n. sp. The abstract refers to the same species as *Amblyseius ochyros*, which is interpreted as a typographical error.

Anoetus

Haq & Afzal (2007) referred to *Anoetus abbasi*, *Anoetus baluchi*, *Anoetus distansus*, and *Anoetus makraniensis*. We have not been able to trace the descriptions of any species by these names, so these names are treated as *nomina nuda*.

Armascirus fixus

Smiley (1992) and Skvarla, Fisher & Dowling (2014) refer to the authorship of this name as Chaudhri (1980). That document appears to be an internal progress report, and it is very doubtful that it satisfies the criteria for publication in the *International Code of Zoological Nomenclature*, Article 8.1. We consider the authorship of this name to be Chaudhri & Akbar (1985), until evidence of an earlier date can be found.

Boophilus sharifi

Boophilus sharifi Siddiqi & Jan, 1984 is a junior homonym of *Boophilus sharifi* Minning, 1934, and has apparently not been replaced. If *Boophilus sharifi* Siddiqi & Jan, 1984 is found to be a valid species, it will need a replacement name.

Brevipalpus

Akbar & Aheer (1994) referred to a species named *Brevipalpus lyallpuriensis* Ahmad & Akbar. We have not been able to trace any species by that name, and it is considered as a *nomen nudum*. Hassan, Akbar & Ashfaq (2002) referred to a species named *Brevipalpus pudicus* Chaudhri & Akbar, new species. We have not been able to trace any species by that name, and it is considered as a *nomen nudum*.

Brevipalpus karachiensis

In the heading of the description, the name of this species is spelled *Brevipalpus karackiensis*, which is interpreted as a typographical error.

Bryobia eharai

Chaudhri, Akbar & Rasool (1974) showed *Bryobia eharai* Pritchard & Keifer, 1958 as a synonym of *Bryobia cristata* Pritchard & Baker, 1955, but used the former as the valid name. These two species are here considered as separate following Midgeon & Dorkeld (2017).

Cenopalpus picitilis

In the paper in which this species was described, its name was spelled *picitilis* (twice) and *picitilis* (once). The latter spelling is in widespread usage, so we have retained it here in the interest of stability.

Cepheidae

Cepheidae Berlese, 1896 is a junior homonym of Cepheidae Agassiz, 1862. The International Commission on Zoological Nomenclature will be asked to establish a replacement name for Cepheidae Berlese.

Ceratoppia bipilis

Hammer (1977, page 28) proposed the name *Ceratoppia bipilis* var. *curtipilis* n. var. The name *curtipilis* is not available because it is deemed to be infrasubspecific (*International Code of Zoological Nomenclature*, Article 15.2).

Ceratozetoides imperatoria

Hammer (1977, page 51) proposed the name *Ceratozetella imperatoria* var. *magna* n. var. The name *magna* is not available because it is deemed to be infrasubspecific (*International Code of Zoological Nomenclature*, Article 15.2).

***Cheletomimus* species**

Fain *et al.* (2002) pointed out that *Cheletomimus cambio*, *C. cantor*, *C. flecto*, *C. heredis*, *C. larma*, *C. zamia* and *C. trema* were described from nymphs incorrectly identified as females, and should be considered as *species inquirendae*.

Cheletomimus parvus

In the paper in which this species is described, its name is spelled *parvus* twice and *pareus* once. The latter is here interpreted as a typographical error.

Coleoscirus bapto

Smiley (1992) and Skvarla, Fisher & Dowling (2014) refer to the authorship of this name as Chaudhri (1980). That document appears to be an internal progress report, and it is very doubtful that it satisfies the criteria for publication in the *International Code of Zoological Nomenclature* (Article 8.1). We consider the authorship of this name to be Chaudhri & Akbar (1985), until evidence of an earlier date can be found.

Copronomoia pango

In the paper in which this species is described, its name is spelled *pango* nine times and *panogo* once. The latter is here interpreted as a typographical error.

Cunaxa doxa

Smiley (1992) and Skvarla, Fisher & Dowling (2014) refer to the authorship of this name as Chaudhri (1980). That document appears to be an internal progress report, and it is very doubtful that it satisfies the criteria for publication in the *International Code of Zoological Nomenclature*, Article 8.1. We consider the authorship of this name to be Chaudhri & Akbar (1985), until evidence of an earlier date can be found.

Cunaxa leuros

The name *Cunaxa leuros* first appeared in Bashir & Afzal (2009, page 30). This name is a *nomen nudum* because it was not specifically stated to be a new species (*International Code of Zoological Nomenclature*, Article 16.1). The name *Cunaxa leuros* was first made available by Bashir, Afzal, Ashfaq, Akbar & Ali (2010).

Cunaxa rafiqi

The name *Cunaxa rafiqi* first appeared in Bashir & Afzal (2009, page 31). This name is a *nomen nudum* because it was not specifically stated to be a new species (*International Code of Zoological Nomenclature*, Article 16.1). The name *Cunaxa rafiqi* was first made available by Bashir, Afzal, Ashfaq, Akbar & Ali (2010).

Dactyloscirus

Skvarla, Fisher & Dowling (2014, page 64) recorded *Dactyloscirus bengalensis* Gupta, 1992 from Pakistan. However, *D. bengalensis* is known only from the type locality in West Bengal, India, and the record from Pakistan appears to be an error.

Dermacentor andersoni

Records of *Dermacentor andersoni* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2014, 2015).

Dermacentor circumguttatus

Records of *Dermacentor circumguttatus* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2014, 2015).

Dermacentor rhinocerinus

Records of *Dermacentor rhinocerinus* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2014, 2015).

Dermacentor variabilis

Records of *Dermacentor* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2014, 2015).

Erythraeidae

Kamran (2009) described some new species of Erythraeidae from Pakistan, and these were catalogued by Beron (2017). However, Kamran (2009) is an unpublished thesis, so the names of these species are not available under the *International Code of Zoological Nomenclature*. This refers to the following names: *Erythraeus (Erythraeus) loomerus*, *Erythraeus (Erythraeus) walii*, *Leptus (Leptus) aphidus*, *Leptus (Leptus) lugenus*, *Leptus (Leptus) multanensis*, *Abrolophus alfalfus*, *Abrolophus bodahani*, *Abrolophus faisalabadensis*, *Abrolophus pyrillus*, *Abrolophus thripsus*, *Pollux jhangensis*, *Pollux okaraensis*, *Pollux punctatus*,

Euseius

Qayyum, Akbar & Afzal (2001) described two new species, *Euseius affinis* sp. nov. and *Euseius alterno* sp. nov., in *Online Journal of Biological Sciences*. This journal is published in electronic form only and the paper is not registered in ZooBank, so these two names are not available under the *International Code of Zoological Nomenclature*. Qayyum, Akbar & Afzal (2001) referred to the species *Euseius asperum* Zia, *Euseius subtilis* Parvez, *Euseius caudicis*, *Euseius basidium*, *Euseius demissus*, and *Euseius dentaneus*. We have not been able to locate the descriptions of these species, so these names are treated as *nomina nuda*.

Euseius relictus

Akbar (1994) described three new species of *Euseius*. In the Remarks following *E. phrontis*, he provided some comparative information about a species named *E. urticus* Chaudhri & Akbar. We have not been able to trace any species by that name, but the morphological information provided appears to refer to *E. relictus*.

Eutetranychus orientalis

The synonymy for this species given by Chaudhri, Akbar & Rasool (1974) wrongly attributes the specific name to McGregor, and includes some names that now represent valid species (see Migeon & Dorkeld, 2017). Klein (1936) wrongly attributed the name *Anychus orientalis* to Zacher, 1936.

Forcellinia

Haq & Afzal (2007) referred to a species *Forcellinia oudemans*. This appears to be a typographical error for the generic name *Forcellinia* Oudemans. Haq & Afzal (2007) referred to a species *Forcellinia politer*. We have not been able to trace a description of any species by that name, so this name is treated as a *nomen nudum*. Afzal, Bashir, Honey, Zahid & Kamran (2013) referred to a species *Forcellinia chounawawlaensis*. We have not been able to trace any species by that name, so this name is treated as a *nomen nudum*.

Gaeolaelaps quadridentatus

We have provisionally placed this species in *Gaeolaelaps*, on the basis of the original description. The genus *Hypoaspis* has often been used for species that correctly belong in other genera, and that may be true in this case.

Galumna obvia

Hammer (1977, page 60) refers to a specimen provisionally identified as *?Pergalumna ?longior*. The identification of this specimen as *Galumna obvia* is uncertain.

Haemaphysalis

Iqbal, Khan, Kakar & Jabbar (2004) referred to a tick named *Haemaphysalis brunati*, citing information from an unpublished thesis by Durrani. We have not been able to trace a description of any species by that name, so this name is treated as a *nomen nudum*.

Haemaphysalis aciculifer

The records of *Haemaphysalis aciculifer* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Haemaphysalis flava

The records of *Haemaphysalis flava* in Pakistan require confirmation (Guglielmone *et al.*, 2015).

Haemaphysalis houyi

The records of *Haemaphysalis houyi* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Haemaphysalis leachi

All records of *Haemaphysalis leachi* in the older literature (including McCarthy, 1967) should be regarded as doubtful. Specimens supposedly belonging to this species have often been misidentified (see Guglielmone *et al.*, 2014 for more information).

Haemaphysalis leporispalustris

The records of *Haemaphysalis leporispalustris* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Haemaphysalis parmata

The records of *Haemaphysalis parmata* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Hyalomma rufipes

Hyalomma rufipes (Gmelin, 1790) is listed as *nomen dubium* by Guglielmone & Nava (2014) and Guglielmone *et al.* (2015). Its taxonomic status remains uncertain. A species by this name was recorded from Pakistan by Farooqi *et al.* (2017).

Hyalomma truncatum

The records of *Hyalomma truncatum* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Hypoaspis species 1 and species 2

These unidentified species probably do not belong in the genus *Hypoaspis*, but to some other genus that cannot be determined. The genus *Hypoaspis* has often been used for species that correctly belong in other genera, and that may be true in this case.

Ixodes pacificus

The records of *Ixodes pacificus* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Kuzinellus meritus

In the paper in which this species is described, its name is spelled *meritus* (six times) and *maritus* (twice). The latter appears to be a typographical error. Parvez & Chaudhri (2002) keyed these names separately, as if they represented two different species, but both spellings actually refer to the same species. Figure 3 of Parvez, Chaudhri & Ashfaq (1994) is labelled *Paraseiulus aditus*, but actually illustrates *P. meritus*.

Lamellobates

The taxonomic placement of the genus *Lamellobates* is unresolved (Schatz, Behan-Pelletier, OConnor & Norton (2011). Its placement in the Austrachipteriidae must be considered as provisional.

Lupaeus anjumi

Lupaeus anjumi Bashir & Afzal in Bashir & Afzal & Akbar, 2005, page 164, is a *nomen nudum* because type specimens were not designated.

Neobonzia numida

Smiley (1992) and Skvarla, Fisher & Dowling (2014) refer to the authorship of this name as Chaudhri (1980). That document appears to be an internal progress report, and it is very doubtful that it satisfies the criteria for publication in the *International Code of Zoological Nomenclature*, Article 8.1. We consider the authorship of this name to be Chaudhri & Akbar (1985), until evidence of an earlier date can be found.

Neoseiulus

Bashir, Honey, Khan & Afzal (2015) referred to a species *Neoseiulus reticulatus* n. sp., but did not

provide a description, so this name is a *nomen nudum*. It is also a junior homonym of *Neoseiulus reticulatus* (Oudemans, 1930).

Nothrus anauniensis

Modern authors consider that *Nothrus biciliatus* Koch, 1844b: 2 cannot be recognised (*species inquirenda*). The specimens identified as this species by Hammer (1977) probably belong to *N. anauniensis* Canestrini & Fanzago, 1876 (see Grandjean, 1965b; Weigmann, 2006).

Oribatella meridionalis

Hammer (1977, page 56) proposed the name *Oribatella meridionalis* var. *longisetosa* n. var. The name *longisetosa* is not available because it is deemed to be infrasubspecific (*International Code of Zoological Nomenclature*, Article 15.2).

Ornithodoros crossi

Some authors have cited this species as *Ornithodoros crossi* Brumpt, 1921. We have not been able to locate the original description of this species, but it is mentioned by Brumpt (1922, page 775). The generic name is mis-spelled there as *Ornithodoros* instead of *Ornithodoros*, and the specific name is mis-spelled in the heading as *grossi* instead of *crossi*.

Ornithodoros papillipes

Ornithodoros papillipes (Birula, 1895) is here treated as a valid species, following Guglielmone *et al.* (2010). It was recorded from Pakistan by Sen (1938).

Paratrombium

Maqol (2007, Figure 337) showed the genus *Paratrombium* as present in Pakistan, but did not provide details.

Petrobia afzali

The combination of character states described and illustrated for the claws, empodium and anal setae of this species does allow it to be placed in *Petrobia* or any other known genus of Tetranychidae (Muhammad Kamran).

Petrobia chaudhrii

The combination of character states described and illustrated for the claws, empodium and anal setae of this species does allow it to be placed in *Petrobia* or any other known genus of Tetranychidae (Muhammad Kamran).

Petrobia kleptes

Petrobia kleptes Kamran & Afzal, 2004 is probably a synonym of *P. cardi* Chaudhri, 1972 (Muhammad Kamran).

Petrobia layyahensis

The combination of character states described and illustrated for the claws, empodium and anal setae of this species does allow it to be placed in *Petrobia* or any other known genus of Tetranychidae (Muhammad Kamran).

Phthiracarus piger

The identity of this species is uncertain. Weigmann (2006, page 122) listed *P. piger* as a possible synonym of *P. laevigatus*.

Phytoseius

Afzal, Bashir & Akbar (2004, page 38) and Afzal, Bashir, Raza, Kamran & Khan (2012, page 211) referred to a species named *Phytoseius (Phytoseius) turpis* Afzal. We have not been able to locate the description of any species with that name, so it is treated as *nomen nudum*. The same is true for *Phytoseius (Phytoseius) varix*, cited by Afzal, Bashir, Raza, Kamran & Khan (2012, page 211).

Phytoseius diverto

Afzal, Bashir, Raza & Kamran (2010) described *Phytoseius (Phytoseius) diverto*, but in the caption to Figure 2, this species is referred to as *Phytoseius (Phytoseius) erema*. The name *P. diverto* is used three times in this paper, so the single use of *P. erema* is here interpreted as a typographical error.

Pneumonyssus

Capet, Ptito & Neaga (1972) recorded a species of *Pneumonyssus* in the lungs of a monkey from

Pakistan, at a research institute in Canada. We have interpreted this to mean the mites came from Pakistan.

Pseudobonzia

Bashir & Afzal (2009, page 173) referred to a species *Pseudobonzia opifer* Muhammad & Chaudhri. We have not been able to locate a description of any species by that name, so it is treated as a *nomen nudum*.

Pseudobonzia bakeri

This species was described in paper whose authors are Bashir, Afzal, Ashfaq, Ali, Kamran & Honey. At the head of the description, the species is named as *Pseudobonzia bakeri* Bashir, Afzal, Ashfaq, Raza & Kamran. At other places in the paper, the species is referred to as "*P. bakeri* sp. n.", which would imply that the authorship of the paper and the new species are the same. We have treated the first interpretation as correct.

Pseudostigmaeus

Khan, Bashir, Afzal, Honey, Tabassum & Qayyum (2014) described *Pseudostigmaeus jhangensis* as a new species. In the same paper, they also referred to *P. solanumus* (n.sp.) and *P. sorghumus* (n.sp.) from Pakistan. Diagnostic character states for these two species were given in a key, but type specimens were not designated. These two names are therefore not available for nomenclatural purposes (*International Code of Zoological Nomenclature*, Article 16.4).

Pulaeus cinctus

Smiley (1992) and Skvarla, Fisher & Dowling (2014) refer to the authorship of this name as Chaudhri (1980). That document appears to be an internal progress report, and it is very doubtful that it satisfies the criteria for publication in the *International Code of Zoological Nomenclature* (Article 8.1). We consider the authorship of this name to be Chaudhri & Akbar (1985), until evidence of an earlier date can be found.

Punctoribates punctum

Hammer (1977) recorded this species as "*Punctoribates punctum* (Berl.), 1888", but that appears to be an error, and it should be referred to as *Punctoribates punctum* (Koch, 1839).

Pyemotes ventricosus

Moser (1975) showed that the straw itch mite that commonly bites humans is *Pyemotes tritici*, not *P. ventricosus*. Many published records of *P. ventricosus* are probably misidentifications of *P. tritici*.

Raoiella indica

Beard *et al.* (2018) showed that *Raoiella indica* is the only valid species of *Raoiella* that occurs in Pakistan.

Raphignathus

Akbar & Aheer (1994) and Akbar & Mushtaq (1996) reported a species named *Raphignathus keratos* Hussain. We have not been able to locate a description of any species by that name, so it is treated as a *nomen nudum*. Akbar & Mushtaq (1996) also reported *Raphignathus deinos* and *Raphignathus ebrius*, which are *nomina nuda* because the names are not accompanied by descriptions.

Rhipicephalus appendiculatus

The records of *Rhipicephalus appendiculatus* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Rhipicephalus arnoldi

The records of *Rhipicephalus arnoldi* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Rhipicephalus breviceps

This species was described from a single female from Sind. Its status is uncertain, and Guglielmone & Nava (2014) and Guglielmone *et al.*, (2015) consider that it may be a synonym of *Rhipicephalus sanguineus*.

Rhipicephalus decoloratus

The records of *Rhipicephalus decoloratus* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Rhipicephalus distinctus

The records of *Rhipicephalus distinctus* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Rhipicephalus evertsi

The records of *Rhipicephalus evertsi* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Rhipicephalus kochi

The records of *Rhipicephalus kochi* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015). Guglielmone & Nava (2014) discussed confusion about the identity of this species.

Rhipicephalus longus

The records of *Rhipicephalus longus* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Rhipicephalus microplus

Many authors have recorded a cattle tick in Pakistan under the names *Rhipicephalus microplus* or *Boophilus microplus*. However, recent evidence shows that this name has been applied to several different species. The common cattle tick of Pakistan may actually be a different species, perhaps *Rhipicephalus annulatus* (see for example Labruna *et al.*, 2009). Specimens from India and Pakistan identified as *Boophilus australis* by Sharif (1928) could include a mixture of other species (Guglielmone & Nava, 2014).

Rhipicephalus pravus

The records of *Rhipicephalus pravus* in Pakistan are considered to be erroneous (Guglielmone *et al.*, 2015).

Sancassania (= Caloglyphus)

Sarwar & Ashfaq (2010a, 2010b, 2012b) and Sarwar, Bashir, Khan & Khan (2013) referred to a species named *Caloglyphus kenos* Sarwar & Ashfaq, 2006. We have not been able to locate any description that would make this name available.

Scutascirus pigrus

Smiley (1992) and Skvarla, Fisher & Dowling (2014) refer to the authorship of this name as Chaudhri (1980). That document appears to be an internal progress report, and it is very doubtful that it satisfies the criteria for publication in the *International Code of Zoological Nomenclature*, Article 8.1. We consider the authorship of this name to be Chaudhri & Akbar (1985), until evidence of an earlier date can be found.

Tenuipalpus

Kauser, Akbar & Naz (2008) implied that *Tenuipalpus granati* Sayed is a pest of pomegranate in Pakistan, quoting Chaudhri, Akbar & Rasool (1974) as their source. However, Chaudhri, Akbar & Rasool (1974) did not record this species from Pakistan.

Tetranychus

Yunus & Yousuf (1979) and Tayyib, Sohail, Shazia, Murtaza & Jamil (2005) referred to a species *Tetranychus gossypii* or *Tetranychus gossypii* Banks. We have not been able to trace any species by that name. It may refer to *Oligonychus gossypii* (Zacher, 1921), but we can find no other records of *O. gossypii* in Pakistan.

Tetranychus erastes

In the paper in which this species is described, its name is spelled *Tetranychus erastes* once at the heading of the description, and once as *T. erastus* in the abstract. We conclude that the latter is a typographical error, and the correct spelling of the specific name is *erastes*.

Trichoribates berlesei

See Weigmann & Norton (2009) for a detailed discussion of the name of this species.

Tropilaelaps mercedesae

Anderson & Morgan (2007) showed that the mites previously referred to as *Tropilaelaps clareae* actually include a mixture of four species. Only one of these species has been recorded in Pakistan, and

that is *T. mercedesae*. The mites from Pakistan previously identified as *T. clareae* probably belong to *T. mercedesae*.

Tydeus interruptus

Kaźmierski (1998) listed this species as "Ancient", meaning that it cannot be reliably recognised. It was not included in the catalogue of Tydeidae by Da Silva *et al.* (2016). The status of this species cannot be determined.

Typhlodromus curtus

In the paper in which this species was described, its name was spelled *curtus* seven times and *curtis* once. The latter is interpreted as a typographical error.

Typhlodromus ricula

In the paper in which this species was described, its name was spelled *ricula* ten times and *recula* once. The latter is interpreted as a typographical error.

Tyroglyphus farinae

Anwarullah (1976) recorded *Tyroglyphus farinae* De Geer from stored wheat. This probably refers to *Acarus siro* Linnaeus, but that suggestion has not been confirmed.

Tyrophagus farinae

Anwarullah (1976) recorded *Tyrophagus farinae* Linnaeus from stored wheat. This probably refers to *Acarus siro* Linnaeus, but that suggestion has not been confirmed.

Tyrophagus fatimii

The description of this species appears to be based on a single specimen. The holotype is stated to be a hypopus, but the specimen described and illustrated is obviously an adult.

Varroa destructor

Anderson & Trueman (2000) showed that the mites previously identified as *Varroa jacobsoni* actually include a mixture of at least two different species. The common species that parasitises the honeybee *Apis mellifera* is *Varroa destructor*, not *Varroa jacobsoni*. The mites from Pakistan previously identified as *Varroa jacobsoni* probably belong to *Varroa destructor*.

Zetomotrichus lacrimans

Hammer (1977, page 43) proposed the name *Zetomotrichus lacrimans* var. *bidentata* n. var. The name *bidentata* is not available because it is deemed to be infrasubspecific (*International Code of Zoological Nomenclature*, Article 15.2).

TABLE 1. Numbers of taxa of mites recorded from Pakistan

	Families	Identified genera	Identified species
Astigmata	13	29	114
Cryptostigmata	47	91	134
Ixodida	2	8	75
Mesostigmata	22	49	285
Prostigmata	42	139	497
Totals	126	316	1105

Discussion

The known mite fauna of Pakistan as documented here includes 126 families, 316 genera, and 1105 species (Table 1). These numbers are likely to change quickly as new taxa are identified or described, and as synonyms and misidentifications are resolved. The best known families include species of economic importance, either plant pests such as Tetranychidae (49 species) and Tenuipalpidae (120 species), or their natural enemies such as Phytoseiidae (214 species) and Cunaxidae (85 species). Some taxonomic groups and ecological communities would benefit from an increased research effort, including the plant parasites in the family Eriophyidae, predatory mites in soil, potential biological control agents for weeds, and aquatic mites that can be used to measure water quality.

Iqbal, Khan, Kakar & Jabbar (2004) reviewed the status of veterinary parasitology in Pakistan, and made a series of recommendations for the future development of the science. Their findings included (1) research had been focussed in limited areas of the country, especially around universities; (2) there was a lot of duplication in research, with a lack of coordination among different institutions; (3) much of the research had been carried out by students, and the results remain inaccessible in unpublished theses; (4) much of the research was academic in nature, and did not lead to practical implementation of its findings; (5) research was hampered by inadequate resources and facilities; (6) there should be an increase in the use of information technology, especially in libraries and in the establishment of international collaboration. The present study shows that the science of acarology in Pakistan faces similar difficulties. We hope that this publication goes some way towards solving some of these problems.

A list like this can never be complete or free from errors. We will be very grateful if our colleagues could point out our mistakes and omissions, so we can correct them in future editions of this work.

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