

Mite classification

This mite classification [includes mite families](#) and is based on Zhang 2011 and Costa et al. 2024.

PARASITIFORMES

- Superorder Parasitiformes Reuter, 1909 (sensu Krantz & Walter 2009) (4 orders)
 - Order Opilioacarida Zakhvatkin, 1952 (1 superfamily)
 - Superfamily Opilioacaroidae Redikorzev, 1937 (1 family)
 - Family Opilioacaridae Redikorzev, 1937 (10 genera, 35 species)
 - Order Holothyrida Thon, 1905 (1 superfamily)
 - Superfamily Holothyroidea Thorell, 1882 (3 families)
 - Family Allothyridae van der Hammen, 1972 (2 genera, 3 species)
 - Family Holothyridae Thorell, 1882 (8 genera, 20 species)
 - Family Neothyridae Lehtinen, 1981 (3 genera, 4 species)
 - Order Ixodida Leach, 1815 (1 superfamily)
 - Superfamily Ixodoidea Dugès, 1834 (3 families)
 - Family Argasidae Koch, 1844 (4 genera, 188 species)
 - Family Ixodidae Dugès, 1834 (14 genera, 682 species)
 - Family Nuttalliellidae Schulze, 1935 (1 genus, 1 species)
 - Order Mesostigmata G. Canestrini, 1891 (3 suborders)
 - Suborder Sejida Kramer, 1885 (2 superfamilies)
 - Superfamily Sejoidea Berlese, 1885 (3 families)
 - Family Ichthyostomatogasteridae Sellnick, 1953 (3 genera, 10 species)
 - Family Sejidae Berlese, 1885 (5 genera, 46 species)
 - Family Uropodellidae Camin, 1955 (1 genus, 6 species)
 - Superfamily Heterozerconoidea Berlese, 1892 (2 families)
 - Family Discozerconidae Berlese, 1910 (2 genera, 3 species)
 - Family Heterozerconidae Berlese, 1892 (7 genera, 13 species)
 - Suborder Trigynaspida Camin & Gorirossi, 1955 (2 infraorders)
 - Infraorder Cercomegistina Camin & Gorirossi, 1955 (1 superfamily)
 - Superfamily Cercomegistoidea Trägårdh, 1937 (6 families)
 - Family Asternoseiidae Vale, 1954 (2 genera, 3 species)
 - Family Cercomegistidae Trägårdh, 1937 (5 genera, 13 species)
 - Family Davacaridae Kethley, 1977 (2 genera, 4 species)
 - Family Pyrosejidae Lindquist & Moraza, 1993 (2 genera, 3 species)
 - Family Saltiseiidae Walter, 2000 (1 genus, 1 species)
 - Family Seioididae Kethley, 1977 (1 genus, 1 species)
 - Infraorder Antennophorina Camin & Gorirossi, 1955 (7 superfamilies)
 - Superfamily Aenictequoidea Kethley, 1977 (4 families)
 - Family Aenictequidae Kethley, 1977 (1 genus, 1 species)
 - Family Euphysalozzerconidae Kim, 2008 (1 genus, 1 species)
 - Family Messoracaridae Kethley, 1977 (2 genera, 3 species)
 - Family Ptochacaridae Kethley, 1977 (1 genus, 3 species)
 - Superfamily Antennophoroidea Berlese, 1892 (1 family)
 - Family Antennophoridae Berlese, 1892 (6 genera, 19 species)
 - Superfamily Celaenopsidae Berlese, 1892 (8 families)
 - Family Celaenopsidae Berlese, 1892 (7 genera, 14 species)
 - Family Costacaridae Hunter, 1993 (1 genus, 1 species)
 - Family Diplogyniidae Trägårdh, 1941 (42 genera, 85 species)
 - Family Euzerconidae Trägårdh, 1938 (12 genera, 24 species)
 - Family Megacelaenopsidae Funk, 1975 (2 genera, 2 species)
 - Family Neotenogyniidae Kethley, 1974 (1 genus, 1 species)
 - Family Schizogyniidae Trägårdh, 1950 (6 genera, 10 species)
 - Family Triplogyniidae Funk, 1977 (2 genera, 11 species)
 - Superfamily Fedrizzioidae Trägårdh, 1937 (2 families)
 - Family Fedrizziidae Trägårdh, 1937 (3 genera, 34 species)

Family Klinckowstroemiidae Camin & Gorirossi, 1955 (4 genera, 36 species)
 Superfamily Megisthanoidea Berlese, 1914 (2 families)
 Family Hoplomegistidae Camin & Gorirossi, 1955 (1 genus, 7 species)
 Family Megisthanidae Berlese, 1914 (1 genus, 30 species)
 Superfamily Paramegistoidea Trägårdh, 1946 (1 family)
 Family Paramegistidae Trägårdh, 1946 (5 genera, 30 species)
 Superfamily Parantennuloidea Willmann, 1941 (3 families)
 Family Parantennulidae Willmann, 1941 (3 genera, 5 species)
 Family Philodanidae Kethley, 1977 (2 genera, 2 species)
 Family Promegistidae Kethley, 1977 (1 genus, 1 species)
 Suborder Monogynaspida Camin & Gorirossi, 1955 (2 infraorders)
 Infraorder Uropodina Kramer, 1881 (4 superfamilies)
 Superfamily Microgynioidea Trägårdh, 1942 (2 families)
 Family Microgyniidae Trägårdh, 1942 (2 genera, 4 species)
 Family Nothogynidae Walter & Krantz, 1999 (1 genus, 2 species)
 Superfamily Thinozerconoidea Halbert, 1915 (2 families)
 Family Protodinychidae Evans, 1957 (1 genus, 3 species)
 Family Thinozerconidae Halbert, 1915 (1 genus, 1 species)
 Superfamily Uropodoidea Kramer, 1881 (=Polyaspidoidea, Trachyuropodoidea) (30 families, plus 5 genera not assigned to a family)
 Family Baloghjkaszabiidae Hirschmann, 1979 (1 genus, 3 species)
 Family Brasiluropodidae Hirschmann, 1979 (2 genera, 18 species)
 Family Cillibidae Trägårdh, 1944 (2 genera, 19 species)
 Family Clausiadinychidae Hirschmann, 1979 (1 genus, 4 species)
 Family Cyllibulidae Hirschmann, 1979 (1 genus, 32 species)
 Family Deraiphoridae Trägårdh, 1952 (1 genus, 36 species)
 Family Dinychidae Berlese, 1916 (1 genus, 34 species)
 Family Discourellidae Baker & Wharton, 1952 (1 genus, 76 species)
 Family Eutrachytidae Trägårdh, 1944 (1 genus, 36 species)
 Family Hutufeideriidae Hirschmann, 1979 (1 genus, 9 species)
 Family Kaszabjbaloghiidae Hirschmann, 1979 (1 genus, 6 species)
 Family Macro-dinychidae Hirschmann, 1979 (4 genera, 22 species)
 Family Metagynuridae Balogh, 1943 (2 genera, 17 species)
 Family Nenteriidae Hirschmann, 1979 (2 genera, 128 species)
 Family Oplitidae Johnston, 1968 (8 genera, 163 species)
 Family Phymatodiscidae Hirschmann, 1979 (1 genus, 10 species)
 Family Polyaspididae Berlese, 1913 (1 genus, 16 species)
 Family Prodinychidae Berlese, 1917 (3 genera, 16 species)
 Family Rotundabaloghiidae Hirschmann, 1979 (4 genera, 165 species)
 Family Tetrasejaspidae Hirschmann, 1979 (1 genus, 15 species)
 Family Trachytidae Trägårdh, 1938 (7 genera, 108 species)
 Family Trachyuropodidae Berlese, 1917 (17 genera, 99 species)
 Family Trematuridae Berlese, 1917 (13 genera, 401 species)
 Family Trichocyllibidae Hirschmann, 1979 (5 genera, 57 species)
 Family Trichouropodellidae Hirschmann, 1979 (1 genus, 11 species)
 Family Trigonuropodidae Hirschmann, 1979 (1 genus, 87 species)
 Family Uroactiniidae Hirschmann & Zirngiebl-Nicol, 1964 (3 genera, 67 species)
 Family Urodiaspididae Trägårdh, 1944 (3 genera, 26 species)
 Family Urodinychidae Berlese, 1917 (13 genera, 267 species)
 Family Uropodidae Kramer, 1881 (9 genera, 261 species)
 Superfamily Diarthrophalloidea Trägårdh, 1946 (1 family)
 Family Diarthrophallidae Trägårdh, 1946 (22 genera, 63 species)
 Infraorder Gamasina Kramer, 1881 (4 hyporders)
 Hyporder Epicriidae Kramer, 1885 (3 superfamilies)
 Superfamily Epicrioidea Berlese, 1885 (1 family)
 Family Epicriidae Berlese, 1885 (4 genera, 48 species)
 Superfamily Heatherelloidea Walter, 1997 (1 family)

Family Heatherellidae Walter, 1997 (1 genus, 2 species)
 Superfamily Zerconoidea G. Canestrini, 1891 (2 families)
 Family Coprozerconidae Moraza & Lindquist, 1999 (1 genus, 1 species)
 Family Zerconidae G. Canestrini, 1891 (36 genera, 390, species)
 Hyporder Arctacariae Johnston, 1982 (1 superfamily)
 Superfamily Arctacaroidea Evans, 1955 (1 family)
 Family Arctacaridae Evans, 1955 (2 genera, 6 species)
 Hyporder Parasitiae Evans & Till, 1979 (1 superfamily)
 Superfamily Parasitoidea Oudemans, 1901 (1 family)
 Family Parasitidae Oudemans, 1901 (35 genera, 426 species)
 Hyporder Dermanyssiae Evans & Till, 1979 (6 superfamilies)
 Superfamily Veigaiioidea Oudemans, 1939 (1 family)
 Family Veigaiidae Oudemans, 1939 (4 genera, 95 species)
 Superfamily Rhodacaroidae Oudemans, 1902 (6 families, plus 1 genus not assigned to a family)
 Family Digamasellidae Evans, 1957 (13 genera, 261 species)
 Family Halolaelapidae Karg, 1965 (4 genera, 80 species)
 Family Laelaptonyssidae Womersley, 1956 (1 genus, 6 species)
 Family Ologamasidae Ryke, 1962 (45 genera, 452 species)
 Family Rhodacaridae Oudemans, 1902 (15 genera, 148 species)
 Family Teranyssidae Halliday, 2006 (1 genus, 1 species)
 Superfamily Eviphidoidea Berlese, 1913 (5 families)
 Family Eviphididae Berlese, 1913 (19 genera, 108 species)
 Family Leptolaelapidae Karg, 1978 (12 genera, 48 species)
 Family Macrochelidae Vitzthum, 1930 (20 genera, 470 species)
 Family Pachylaelapidae Berlese, 1913 (26 genera, 199 species)
 Family Parholaspididae Evans, 1956 (12 genera, 96 species)
 Superfamily Ascoidea Voigts & Oudemans, 1905 (3 families)
 Family Ameroseiidae Evans, 1961 (10 genera, 148 species)
 Family Ascidae Voigts & Oudemans, 1905 (17 genera, 338 species)
 Family Melicharidae Hirschmann, 1962 (12 genera, 201 species)
 Superfamily Phytoseioidea Berlese, 1916 (4 families)
 Family Blattisociidae Garman, 1948 (11 genera, 369 species)
 Family Otopheidomenidae Treat, 1955 (10 genera, 28 species)
 Family Phytoseiidae Berlese, 1916 (90 genera, 2300 species)
 Family Podocinidae Berlese, 1913 (2 genera, 25 species)
 Superfamily Dermanyssoidae Kolenati, 1859 (17 families)
 Family Dasyponyssidae Fonseca, 1940 (2 genera, 2 species)
 Family Dermanyssidae Kolenati, 1859 (2 genera, 26 species)
 Family Entonyssidae Ewing, 1923 (9 genera, 27 species)
 Family Haemogamasidae Oudemans, 1926 (5 genera, 78 species)
 Family Halarachnidae Oudemans, 1906 (7 genera, 43 species)
 Family Hystrichonyssidae Keegan, Yunker & Baker, 1960 (1 genus, 1 species)
 Family Iphiopsididae Kramer, 1886 (14 genera, 68 species)
 Family Ixodorhynchidae Ewing, 1923 (6 genera, 43 species)
 Family Larvamimidae Elzinga, 1993 (1 genus, 4 species)
 Family Laelapidae Berlese, 1892 (90 genera, 1316 species)
 Family Macronyssidae Oudemans, 1936 (34 genera, 233 species)
 Family Manitherionyssidae Radovsky & Yunker, 1971 (1 genus, 1 species)
 Family Omentolaelapidae Fain, 1961 (1 genus, 1 species)
 Family Rhinonyssidae Trouessart, 1895 (8 genera, 510 species)
 Family Spelaeorhynchidae Oudemans, 1902 (1 genus, 7 species)
 Family Spinturnicidae Oudemans, 1901 (12 genera, 101 species)
 Family Varroidae Delfinado & Baker, 1974 (2 genera, 6 species)

ACARIFORMES

Superorder Acariformes Zachvatkin, 1952

Order Sarcoptiformes Reuter, 1909

Suborder Endeostigmata Reuter, 1909 (5 superfamilies, 10 families, 27 genera, 108 species)

Infraorder Bimichaliida OConnor, 1984 (1 superfamily)

Superfamily Alycoidea G. Canestrini & Fanzago, 1877 (3 families)

Family Alycidae G. Canestrini & Fanzago, 1877 (6 genera, 29 species)

Family Nanorchestidae Grandjean, 1937 (5 genera, 45 species)

Family Proterorhagiidae Lindquist & Palacios-Vargas, 1991 (1 genus, 1 species)

Infraorder Nematalycina Lindquist, Krantz & Walter, 2009 (1 superfamily)

Superfamily Nematalycoidea Strenke, 1954 (2 families)

Family Micropsammidae Coineau & Theron, 1983 (1 genus, 1 species)

Family Nematalycidae Strenke, 1954 (4 genera, 4 species)

Family Proteonematalycidae Kethley, 1989 (1 genus, 1 species)

Superfamily Eriophyoidea Nalepa, 1898 (3 families)

Family Phytoptidae Murray, 1877 (20 genera, 164 species)

Family Eriophyidae Nalepa, 1898 (274 genera, 3,790 species)

Family Diptilomiopidae Keifer, 1944 (63 genera, 450 species)

Infraorder Terpnacarida OConnor, 1984 (2 superfamilies)

Superfamily Oehserchestoidea Kethley, 1977 (1 family)

Family Oehserchestidae Kethley, 1977 (=Hybolicidae Theron, 1974; type genus *Hybolicus* sensu Theron, 1974; invalid family name, ICZN Art. 39; see Kethley, 1977 for details) (1 genus, 4 species)

Family Grandjeanicidae Kethley, 1977 (1 genus, 3 species)

Superfamily Terpnacaroidae Grandjean, 1939 (1 family)

Family Terpnacaridae Grandjean, 1939 (2 genera, 11 species)

Infraorder Alicorhagiida OConnor, 1984 (1 superfamily)

Superfamily Alicorhagioidea Grandjean, 1939 (1 family)

Family Alicorhagiidae Grandjean, 1939 (5 genera, 9 species)

Suborder Oribatida van der Hammen, 1968 (5 infraorders)

Infraorder Palaeosomata Grandjean, 1969 (3 superfamilies)

Superfamily Acaronychoidea Grandjean, 1932 (2 families)

Family Acaronychidae Grandjean, 1932 (1 genus, 3 species)

Family Archeonothridae Grandjean, 1954 (5 genera, 20 species)

Superfamily Palaeacaroidae Grandjean, 1932 (1 family)

Family Palaeacaridae Grandjean, 1932 (2 genera, 6 species)

Superfamily Ctenacaroidae Grandjean, 1954 (3 families)

Family Adelphacaridae Grandjean, 1954 (1 genus, 1 species)

Family Aphelacaridae Grandjean, 1954 (3 genera, 4 species)

Family Ctenacaridae Grandjean, 1954 (5 genera, 6 species)

Infraorder Enarthronota Grandjean, 1969 (5 superfamilies)

Superfamily Brachychthonioidea Thor, 1934 (1 family)

Family Brachychthoniidae Thor, 1934 (11 genera, 169 species)

Superfamily Atopochthonioidea Grandjean, 1949 (3 families)

Family Atopochthoniidae Grandjean, 1949 (1 genus, 2 species)

Family Phyllochthoniidae Travé, 1967 (1 genus, 3 species)

Family Pterochthoniidae Grandjean, 1950 (1 genus, 1 species)

Superfamily Hypochthonioidea Berlese, 1910 (=Lohmannioidea) (4 families)

Family Eniochthoniidae Grandjean, 1947 (1 genus, 7 species)

Family Hypochthoniidae Berlese, 1910 (5 genera, 25 species)

Family Lohmanniidae Berlese, 1916 (25 genera, 205 species)

Family Mesoplophoridae Ewing, 1917 (3 genera, 40 species)

Superfamily Protoplophoroidea Ewing, 1917 (5 families)

Family Cosmochthoniidae Grandjean, 1947 (4 genera, 48 species)

Family Haplochthoniidae van der Hammen, 1959 (3 genera, 15 species)

Family Pediculochelidae Lavoipierre, 1946 (1 genus, 7 species)

Family Protoplophoridae Ewing, 1917 (9 genera, 48 species)

- Family Sphaerochthoniidae Grandjean, 1947 (2 genera, 21 species)
- Superfamily Heterochthonioidea Grandjean, 1954 (3 families)
 - Family Arborichthoniidae Balogh & Balogh, 1992 (1 genus, 1 species)
 - Family Heterochthoniidae Grandjean, 1954 (3 genera, 6 species)
 - Family Trichthoniidae Lee, 1982 (3 genera, 6 species)
- Superfamily Undetermined/Unresolved
 - Family Protochthoniidae Norton, 1988 (1 genus, 1 species)
 - Family Devonacaridae Norton, 1988 (1 genus, 1 species)
- Infraorder Parhyposomata Grandjean, 1969 (1 superfamily)
 - Superfamily Parhypochthonioidea Grandjean, 1932 (3 families)
 - Family Elliptochthoniidae Norton, 1975 (1 genus, 9 species)
 - Family Gehypochthoniidae Strenzke, 1963 (1 genus, 9 species)
 - Family Parhypochthoniidae Grandjean, 1932 (1 genus, 4 species)
- Infraorder Mixonomata Grandjean, 1969 (7 superfamilies)
 - Superfamily Nehypochthonioidea Norton & Metz, 1980 (1 family)
 - Family Nehypochthoniidae Norton & Metz, 1980 (1 genus, 2 species)
 - Superfamily Eulohmannioidea Grandjean, 1931 (1 family)
 - Family Eulohmanniidae Grandjean, 1931 (1 genus, 1 species)
 - Superfamily Perlohmannioidea Grandjean, 1954 (1 family)
 - Family Perlohmanniidae Grandjean, 1954 (2 genera, 10 species)
 - Superfamily Epilohmannioidea Oudemans, 1923 (1 family)
 - Family Epilohmanniidae Oudemans, 1923 (3 genera, 59 species)
 - Superfamily Collohmannioidea Grandjean, 1958 (1 family)
 - Family Collohmanniidae Grandjean, 1958 (2 genera, 4 species)
 - Superfamily Euphthiracaroidae Jacot, 1930 (3 families)
 - Family Euphthiracaridae Jacot, 1930 (5 genera, 158 species)
 - Family Oribotritiidae Grandjean, 1954 (11 genera, 190 species)
 - Family Synichotritiidae Walker, 1965 (4 genera, 15 species)
 - Superfamily Phthiracaroidae Perty, 1841 (1 family)
 - Family Phthiracaridae Perty, 1841 (10 genera, 817 species)
- Infraorder Desmonomata Woolley, 1973 (3 hyporders)
 - Hyporder Nothrina van der Hammen, 1982 (1 superfamily)
 - Superfamily Crotonioidea Thorell, 1876 (=Malaconothroidea, Nanhermannioidea, Hermannioidea) (6 families)
 - Family Crotoniidae Thorell, 1876 (10 genera, 164 species)
 - Family Hermannidae Sellnick, 1928 (4 genera, 111 species)
 - Family Malaconothridae Berlese, 1916 (4 genera, 157 species)
 - Family Nanhermanniidae Sellnick, 1928 (8 genera, 65 species)
 - Family Nothridae Berlese, 1896 (3 genera, 93 species)
 - Family Trhypochthoniidae Willmann, 1931 (9 genera, 65 species)
 - Hyporder Brachypyliina Hull, 1918 (= Circumdehiscentiae Grandjean, 1954) (25 superfamilies)
 - Superfamily Hermannelloidea Grandjean, 1934 (2 families)
 - Family Hermannellidae Grandjean, 1934 (10 genera, 57 species)
 - Family Plasmobatidae Grandjean, 1961 (3 genera, 19 species)
 - Superfamily Neoliodoidea Sellnick, 1928 (1 family)
 - Family Neoliodidae Sellnick, 1928 (4 genera, 55 species)
 - Superfamily Plateremaeoidea Trägårdh, 1926 (8 families)
 - Family Aleurodamaeidae Paschoal & Johnston, 1984 (1 genus, 6 species)
 - Family Gymnodamaeidae Grandjean, 1954 (7 genera, 64 species)
 - Family Licnobelbidae Grandjean, 1965 (2 genera, 3 species)
 - Family Licnodamaeidae Grandjean, 1954 (3 genera, 12 species)
 - Family Lyrifissellidae Paschoal, 1989 (1 genus, 1 species)
 - Family Pedrocortesellidae Paschoal, 1987 (2 genera, 41 species)
 - Family Pheroliodidae Paschoal, 1987 (10 genera, 66 species)
 - Family Plateremaeidae Trägårdh, 1926 (9 genera, 28 species)
 - Superfamily Damaeioidea Berlese, 1896 (1 family)
 - Family Damaeidae Berlese, 1896 (27 genera, 291 species)

- Superfamily Cepheoidea Berlese, 1896 (7 families)
 - Family Anderemaeidae Balogh, 1972 (4 genera, 12 species)
 - Family Cepheidae Berlese, 1896 (15 genera, 87 species)
 - Family Cerocephidae Mahunka, 1986 (3 genera, 4 species)
 - Family Eutegeidae Balogh, 1965 (10 genera, 32 species)
 - Family Microtegeidae Balogh, 1972 (2 genera, 31 species)
 - Family Pterobatidae Balogh & Balogh, 1992 (1 genus, 1 species)
 - Family Nosybeidae Mahunka, 1994 (2 genera, 2 species)
- Superfamily Polypterozetoidea Grandjean, 1959 (4 families)
 - Family Nodocepheidae Piffel, 1972 (1 genus, 7 species)
 - Family Podopterotegaeidae Piffel, 1972 (2 genera, 5 species)
 - Family Tumerozetidae Hammer, 1966 (1 genus, 5 species)
 - Family Polypterozetidae Grandjean, 1959 (1 genus, 1 species)
- Superfamily Microzetoidea Grandjean, 1936 (1 family)
 - Family Microzetidae Grandjean, 1936 (49 genera, 197 species)
- Superfamily Ameroidea Bulanova-Zachvatkina, 1957 (14 families)
 - Family Ameridae Bulanova-Zachvatkina, 1957 (7 genera, 37 species)
 - Family Amerobelbidae Grandjean, 1961 (7 genera, 14 species)
 - Family Basilobelbidae Balogh, 1961 (2 genera, 19 species)
 - Family Caleremaeidae Grandjean, 1965 (2 genera, 7 species)
 - Family Ctenobelbidae Grandjean, 1965 (1 genus, 23 species)
 - Family Damaeolidae Grandjean, 1965 (5 genera, 15 species)
 - Family Eremobelbidae Balogh, 1961 (4 genera, 51 species)
 - Family Eremulidae Grandjean, 1965 (4 genera, 53 species)
 - Family Heterobelbidae Balogh, 1961 (2 genera, 16 species)
 - Family Hungarobelbidae Miko & Travé, 1996 (1 genus, 3 species)
 - Family Oxyameridae Aoki, 1965 (1 genus, 8 species)
 - Family Rhynchoribatidae Balogh, 1961 (2 genera, 29 species)
 - Family Spinozetidae Balogh, 1972 (2 genera, 3 species)
 - Family Staurobatidae Grandjean, 1966 (1 genus, 1 species)
- Superfamily Zetorchestoidea Michael, 1898 (=Eremaeidea) (6 families)
 - Family Arceremaeidae Balogh, 1972 (2 genera, 11 species)
 - Family Eremaeidae Oudemans, 1900 (8 genera, 93 species)
 - Family Megeremaeidae Woolley & Higgins, 1968 (1 genus, 8 species)
 - Family Niphocephidae Travé, 1959 (1 genus, 4 species)
 - Family Zetorchestidae Michael, 1898 (6 genera, 25 species)
 - Family Archaeorchestidae Arillo & Subías, 2000 (1 genus, 1 species)
- Superfamily Gustavioidea Oudemans, 1900 (7 families)
 - Family Astegistidae Balogh, 1961 (8 genera, 48 species)
 - Family Gustaviidae Oudemans, 1900 (1 genus, 17 species)
 - Family Kodiakellidae Hammer, 1967 (1 genus, 2 species)
 - Family Liacaridae Sellnick, 1928 (13 genera, 219 species)
 - Family Multoribulidae Balogh, 1972 (2 genera, 3 species)
 - Family Peloppiidae Balogh, 1943 (19 genera, 81 species)
 - Family Tenuialidae Jacot, 1929 (7 genera, 13 species)
- Superfamily Carabodoidea C.L.Koch, 1837 (6 families)
 - Family Carabocephidae Mahunka, 1986 (1 genus, 2 species)
 - Family Carabodidae C.L.Koch, 1837 (48 genera, 345 species)
 - Family Dampfiellidae Balogh, 1961 (2 genera, 58 species)
 - Family Nippobodidae Aoki, 1959 (2 genera, 17 species)
 - Family Otocephidae Balogh, 1961 (43 genera, 408 species)
 - Family Tokunocephidae Aoki, 1966 (1 genus, 1 species)
- Superfamily Oppioidea Grandjean, 1951 (17 families)
 - Family Autognetidae Grandjean, 1960 (9 genera, 30 species)
 - Family Chaviniidae Balogh, 1983 (1 genus, 2 species)
 - Family Enantioppiidae Balogh, 1983 (1 genus, 1 species)
 - Family Epimerellidae Ayyildiz & Luxton, 1989 (2 genera, 7 species)

Family Granuloppiidae Balogh, 1983 (4 genera, 20 species)
 Family Hexoppiidae Balogh, 1983 (1 genus, 1 species)
 Family Luxtoniidae Mahunka, 2001 (1 genus, 1 species)
 Family Machadobelbidae Balogh, 1958 (1 genus, 14 species)
 Family Machuelliidae Balogh, 1983 (2 genera, 13 species)
 Family Oppiidae Grandjean, 1951 (140 genera, 1045 species)
 Family Papillonotidae Balogh, 1983 (1 genus, 4 species)
 Family Platyameridae Balogh & Balogh, 1983 (1 genus, 1 species)
 Family Quadropiidae Balogh, 1983 (5 genera, 43 species)
 Family Sternoppiidae Balogh & Mahunka, 1969 (1 genus, 11 species)
 Family Teratoppiidae Balogh, 1983 (5 genera, 19 species)
 Family Thyrisomidae Grandjean, 1953 (8 genera, 49 species)
 Family Tuparezetidae Balogh, 1972 (1 genus, 2 species)
 Superfamily Trizetoidea Ewing, 1917 (3 families)
 Family Nosybelbidae Mahunka, 1994 (1 genus, 1 species)
 Family Suctobelbidae Jacot, 1938 (31 genera, 343 species)
 Family Trizetidae Ewing, 1917 (1 genus, 1 species)
 Superfamily Tectocephoidea Grandjean, 1954 (1 family)
 Family Tectocephidae Grandjean, 1954 (4 genera, 33 species)
 Superfamily Limnozetoidea Thor, 1937 (=Hydrozetoidea) (2 families)
 Family Hydrozetidae Grandjean, 1954 (1 genus, 33 species)
 Family Limnozetididae Thor, 1937 (2 genera, 16 species)
 Superfamily Ameronothroidea Willmann, 1931 (4 families)
 Family Ameronothridae Willmann, 1931 (9 genera, 42 species)
 Family Fortuyniidae van der Hammen, 1960 (3 genera, 14 species)
 Family Selenoribatidae Strenzke, 1962 (6 genera, 14 species)
 Family Tegeocranellidae Balogh P., 1987 (1 genus, 17 species)
 Superfamily Cymbaeremaeoidea Sellnick, 1928 (1 family)
 Family Cymbaeremaeidae Sellnick, 1928 (9 genera, 125 species)
 Superfamily Eremaeozetoidea Piffel, 1972 (2 families)
 Family Eremaeozetidae Piffel, 1972 (2 genera, 37 species)
 Family Idiozetidae Aoki, 1976 (1 genus, 3 species)
 Superfamily Licneremaeoidea Grandjean, 1931 (9 families)
 Family Adhaesozetidae Hammer, 1973 (2 genera, 4 species)
 Family Charassobatidae Grandjean, 1958 (1 genus, 7 species)
 Family Dendroeremaeidae Behan-Pelletier, Eamer & Clayton, 2005 (1 genus, 2 species)
 Family Eremellidae Balogh, 1961 (3 genera, 11 species)
 Family Lamellareidae Balogh, 1972 (3 genera, 8 species)
 Family Licneremaeidae Grandjean, 1931 (2 genera, 21 species)
 Family Micreremidae Grandjean, 1954 (6 genera, 20 species)
 Family Passalozetidae Grandjean, 1954 (2 genera, 52 species)
 Family Scutoverticidae Grandjean, 1954 (9 genera, 72 species)
 Superfamily Phenopelopoidea Petrunkevich, 1955 (2 families)
 Family Phenopelopidae Petrunkevich, 1955 (5 genera, 104 species)
 Family Unduloribatidae Kunst, 1971 (2 genera, 9 species)
 Superfamily Achipterioidea Thor, 1929 (3 families)
 Family Achipteriidae Thor, 1929 (15 genera, 117 species)
 Family Epactozetidae Grandjean, 1936 (2 genera, 5 species)
 Family Tegoribatidae Grandjean, 1954 (13 genera, 42 species)
 Superfamily Oribatelloidea Jacot, 1925 (1 family)
 Family Oribatellidae Jacot, 1925 (10 genera, 131 species)
 Superfamily Oripodoidea Jacot, 1925 (17 families)
 Family Caloppiidae Balogh, 1960 (9 genera, 33 species)
 Family Campbellobatidae Balogh & Balogh, 1984 (1 genera, 5 species)
 Family Drymobatidae Balogh & Balogh, 1984 (1 genus, 1 species)
 Family Haplozetidae Grandjean, 1936 (57 genera, 368 species)
 Family Mochlozetidae Grandjean, 1960 (10 genera, 63 species)

Family Nasobatidae Balogh, 1972 (1 genus, 3 species)
 Family Neotrichozetidae Balogh, 1965 (1 genus, 1 species)
 Family Nesozetidae Balogh & Balogh, 1984 (2 genera, 2 species)
 Family Oribatulidae Thor, 1929 (47 genera, 301 species)
 Family Oripodidae Jacot, 1925 (25 genera, 109 species)
 Family Parakalummidae Grandjean, 1936 (6 genera, 47 species)
 Family Schelorbitidae Grandjean, 1933 (49 genera, 488 species)
 Family Sellnickiidae Balogh & Balogh, 1984 (1 genus, 2 species)
 Family Stelechobatidae Grandjean, 1965 (1 genus, 2 species)
 Family Symbioribatidae Aoki, 1966 (2 genera, 3 species)
 Family Tubulozetidae Balogh P., 1989 (1 genus, 1 species)
 Family Zetomotrichidae Grandjean, 1954 (14 genera, 35 species)
 Superfamily Ceratozetoidea Jacot, 1925 (10 families)
 Family Ceratokalummidae Balogh, 1970 (9 genera, 16 species)
 Family Ceratozetidae Jacot, 1925 (51 genera, 319 species)
 Family Chamobatidae Grandjean, 1954 (3 genera, 49 species)
 Family Euzetidae Grandjean, 1954 (1 genus, 2 species)
 Family Humerobatidae Grandjean, 1971 (1 genus, 11 species)
 Family Maudheimiidae Balogh & Balogh, 1984 (1 genus, 4 species)
 Family Mycobatidae Grandjean, 1954 (20 genera, 136 species)
 Family Onychobatidae Luxton, 1985 (1 genus, 1 species)
 Family Ramsayellidae Luxton, 1985 (1 genus, 5 species)
 Family Zetomimidae Shaladybina, 1966 (3 genera, 20 species)
 Superfamily Galumnoidea Jacot, 1925 (2 families)
 Family Galumnellidae Piffel, 1970 (7 genera, 35 species)
 Family Galumnidae Jacot, 1925 (50 genera, 461 species)
 Superfamily Undetermined/Unresolved
 Family Aribatidae Aoki, Takaku & Ito, 1994 (1 genus, 1 species)
 Hyporder Astigmata Canestrini, 1891 (=Astigmatina Krantz & Walter, 2009) (11 superfamilies)
 Superfamily Schizoglyphoidea Mahunka, 1978 (1 family)
 Family Schizoglyphidae Mahunka, 1978 (1 genus, 1 species)
 Superfamily Histiostomatoidea Berlese, 1897 (2 families)
 Family Guanolichidae Fain, 1968 (3 genera, 4 species)
 Family Histiostomatidae Berlese, 1897 (59 genera, 567 species)
 Superfamily Canestrinioidea Berlese, 1884 (1 family)
 Family Canestriniidae Berlese, 1884 (93 genera, 338 species)
 Superfamily Hemisarcoptoidea Oudemans, 1904 (7 families)
 Family Hyadesiidae Halbert, 1915 (2 genera, 47 species)
 Family Carpoglyphidae Oudemans, 1923 (2 genera, 6 species)
 Family Algophagidae Fain, 1975 (7 genera, 19 species)
 Family Meliponocoptidae Fain & Rosa, 1983 (2 genera, 4 species)
 Family Hemisarcoptidae Oudemans, 1904 (11 genera, 33 species)
 Family Winterschmidtidae Oudemans, 1923 (24 genera, 143 species)
 Family Chaetodactylidae Zachvatkin, 1941 (5 genera, 111 species)
 Superfamily Glycyphagoidea Berlese, 1897 (7 families)
 Family Euglycyphagidae Fain & Philips, 1977 (2 genera, 4 species)
 Family Pedetopodidae Fain, 1969 (1 genus, 1 species)
 Family Chortoglyphidae Berlese, 1897 (3 genera, 13 species)
 Family Echimyopodidae Fain, 1967 (5 genera, 27 species)
 Family Aeroglyphidae Zachvatkin, 1941 (4 genera, 19 species)
 Family Rosensteiniidae Cooreman, 1954 (19 genera, 53 species)
 Family Glycyphagidae Berlese, 1897 (42 genera, 204 species)
 Superfamily Acaroidea Latreille, 1802 (6 families)
 Family Lardoglyphidae Oudemans, 1927 (2 genera, 8 species)
 Family Suidasiidae Hughes, 1948 (7 genera, 18 species; includes Sapracaridae Fain)
 Family Gaudiellidae Atyeo, Baker & Delfinado, 1974 (5 genera, 7 species)
 Family Glyccaridae Griffiths, 1977 (1 genus, 1 species)

Family Scatoglyphidae Zachvatkin & Volgin, 1956 (1 genus, 1 species)
 Family Acaridae Latreille, 1802 (88 genera, 541 species)
 Superfamily Hypoderatoidea Murray, 1877 (1 family)
 Family Hypoderatidae Murray, 1877 (19 genera, 73 species)
 Superfamily Sarcoptoidea Murray, 1877 (12 families)
 Family Psoroptidae Canestrini, 1892 (34 genera, 63 species)
 Family Lobalgidae Fain, 1965 (2 genera, 7 species)
 Family Sarcoptidae Murray, 1877 (15 genera, 117 species)
 Family Rhyncoptidae Lawrence, 1956 (5 genera, 12 species)
 Family Chirorhynchobiidae Fain, 1967 (1 genus, 3 species)
 Family Atopomelidae Gunther, 1942 (46 genera, 420 species)
 Family Chirodiscidae Trouessart, 1892 (27 genera, 230 species)
 Family Myocoptidae Gunther, 1942 (6 genera, 63 species)
 Family Listrophoridae Mégnin & Trouessart, 1884 (20 genera, 169 species)
 Family Gastronyssidae Fain, 1956 (9 genera, 42 species)
 Family Pneumocoptidae Baker, Camin, Cunliffe, Woolley & Yunker, 1958 (1 genus, 5 species)
 Family Lemurnyssidae Fain, 1957 (2 genera, 4 species)
 Superfamily Pterolichoidea Trouessart & Mégnin, 1884 (18 families)
 Family Ascouracaridae Gaud & Atyeo, 1976 (7 genera, 21 species)
 Family Cheylabididae Gaud, 1983 (3 genera, 5 species)
 Family Crypturoptidae Gaud, Atyeo & Berla, 1973 (9 genera, 18 species)
 Family Eustathiidae Oudemans, 1905 (18 genera, 65 species)
 Family Falculiferidae Oudemans, 1905 (14 genera, 45 species)
 Family Gabuciniidae Gaud & Atyeo, 1975 (16 genera, 72 species)
 Family Kiwilichidae Dabert, 1994 (1 genus, 2 species)
 Family Kramerellidae Gaud & Mouchet, 1961 (7 genera, 52 species)
 Family Ochrolichidae Gaud & Atyeo, 1978 (3 genera, 4 species)
 Family Oconnoriidae Gaud, Atyeo & Klompen, 1989 (1 genus, 1 species)
 Family Pterolichidae Trouessart & Mégnin, 1884 (122 genera, 389 species)
 Family Ptiloxenidae Gaud, 1982 (3 genera, 21 species)
 Family Rectijanuidae Gaud, 1961 (1 genus, 7 species)
 Family Syringobiidae Trouessart, 1897 (17 genera, 75 species)
 Family Thoracosathesidae Gaud & Mouchet, 1959 (1 genus, 2 species)
 Family Caudiferidae Gaud & Atyeo, 1978 (3 genera, 4 species)
 Family Freyanidae Dubinin, 1953 (17 genera, 75 species)
 Family Vexillariidae Gaud & Mouchet, 1959 (12 genera, 36 species)
 Superfamily Analgoidea Trouessart & Mégnin, 1884 (19 families)
 Family Alloptidae Gaud, 1957 (29 genera, 174 species)
 Family Analgidae Trouessart & Mégnin, 1884 (35 genera, 184 species)
 Family Apionacaridae Gaud & Atyeo, 1977 (4 genera, 7 species)
 Family Avenzoariidae Oudemans, 1905 (18 genera, 143 species)
 Family Cytoditidae Oudemans, 1908 (2 genera, 12 species)
 Family Dermationidae Fain, 1965 (10 genera, 47 species)
 Family Dermoglyphidae Mégnin & Trouessart, 1884 (5 genera, 20 species)
 Family Epidermoptidae Trouessart, 1892 (18 genera, 61 species) (includes Knemidokoptidae)
 Family Gaudoglyphidae Bruce & Johnston, 1976 (1 genus, 1 species)
 Family Laminosioptidae Vitzthum, 1931 (8 genera, 26 species)
 Family Proctophyllodidae Trouessart & Mégnin, 1884 (46 genera, 463 species)
 Family Psoroptoididae Gaud, 1958 (13 genera, 64 species)
 Family Pteronyssidae Oudemans, 1941 (24 genera, 242 species)
 Family Ptyssalgidae Atyeo & Gaud, 1979 (1 genus, 1 species)
 Family Pyroglyphidae Cunliffe, 1958 (19 genera, 56 species)
 Family Thysanocercidae Atyeo & Peterson, 1972 (1 genus, 10 species)
 Family Trouessartiidae Gaud, 1957 (11 genera, 167 species)
 Family Turbinoptidae Fain, 1957 (9 genera, 38 species)
 Family Xolalgidae Dubinin, 1953 (27 genera, 111 species)
 Superfamily Undetermined/Unresolved

Family Heterocoptidae Fain, 1967 (13 genera, 47 species)
 Family Lemanniellidae Wurst, 2001 (1 genus, 2 species)
 Family Chetochelacaridae Fain, 1987 (2 genera, 2 species)
 Order Trombidiformes Reuter, 1909
 Suborder Sphaerolichida OConnor, 1984 (2 superfamilies)
 Superfamily Lordalycoidea Grandjean, 1939 (2 families)
 Family Lordalycidae Grandjean, 1939 (1 genus, 16 species)
 Superfamily Sphaerolichoidea Berlese, 1913
 Family Sphaerolichidae Berlese, 1913 (1 genus, 5 species)
 Suborder Prostigmata Kramer, 1877 (4 infraorders, 40 superfamilies)
 Infraorder Labidostommatina Krantz, 1978 (1 superfamily)
 Superfamily Labidostommatoidea Oudemans, 1904 (1 family)
 Family Labidostommatidae Oudemans, 1904 (5 genera, 51 species)
 Infraorder Eupodina Krantz, 1978 (5 superfamilies)
 Superfamily Bdelloidea Dugès, 1834 (2 families)
 Family Bdellidae Dugès, 1834 (15 genera, 256 species)
 Family Cunaxidae Thor, 1902 (27 genera, 329 species)
 Superfamily Eupodoidea Koch, 1842 (9 families)
 Family Cocceupodidae Jesionowska, 2010 (3 genera, 23 species)
 Family Eupodidae Koch, 1842 (10 genera, 69 species)
 Family Dendrochaetidae Olivier, 2008 (1 genus, 1 species)
 Family Eriorhynchidae Qin & Halliday, 1997 (1 genus, 5 species)
 Family Pentapalpidae Olivier & Theron, 2000 (1 genus, 1 species)
 Family Penthaleidae Oudemans, 1931 (5 genera, 16 species)
 Family Penthalodidae Thor, 1933 (6 genera, 35 species)
 Family Rhagidiidae Oudemans, 1922 (28 genera, 157 species)
 Family Strandtmanniidae Zacharda, 1979 (1 genus, 2 species)
 Superfamily Tydeoidea Kramer, 1877 (4 families)
 Family Triophtydeidae André, 1980 (3 genera, 40 species)
 Family Ereynetidae Oudemans, 1931 (29 genera, 180 species)
 Family Tydeidae Kramer, 1877 (30 genera, 340 species)
 Family Iolinidae Pritchard, 1956 (36 genera, 125 species)
 Infraorder Anystina van der Hammen, 1972 (2 hyporders, 22 superfamilies)
 Hyporder Anystae Krantz, 1978 (5 superfamilies)
 Superfamily Adamystoidea Cunliffe, 1957 (1 family)
 Family Adamystidae Cunliffe, 1957 (4 genera, 20 species)
 Superfamily Anystoidea Oudemans, 1936 (3 families)
 Family Anystidae Oudemans, 1936 (18 genera, 107 species)
 Family Pseudocheylidae Oudemans, 1909 (3 genera, 15 species)
 Family Teneriffiidae Thor, 1911 (5 genera, 20 species)
 Superfamily Caeculoidea Berlese, 1883 (1 family)
 Family Caeculidae Berlese, 1883 (7 genera, 73 species)
 Superfamily Pomerantzioidea Baker, 1949 (1 family)
 Family Pomerantziidae Baker, 1949 (2 genera, 6 species)
 Superfamily Paratydeoidea Baker, 1949 (1 family)
 Family Paratydeidae Baker, 1949 (6 genera, 10 species)
 Family Stigmocheylidae Kethley, 1990 (1 genus, 4 species)
 Superfamily Halacaroidea Murray, 1877 (2 families)
 Family Halacaridae Murray, 1877 (63 genera, 1,118 species)
 Family Pezidae Harvey, 1990 (1 genus, 2 species)
 Hyporder Parasitengona Oudemans, 1909 (17 superfamilies)
 Unranked Trombidiae (terrestrial Parasitengona)
 Superfamily Allotanaupodoidea Zhang & Fan, 2007 (1 family)
 Family Allotanaupodidae Zhang & Fan, 2007 (3 genera, 6 species)
 Superfamily Amphotrombioidea Zhang, 1998 (1 family)
 Family Amphotrombiidae Zhang, 1998 (1 genus, 1 species)
 Superfamily Calyptostomatoidea Oudemans, 1923 (1 family)

- Family Calyptostomatidae Oudemans, 1923 (1 genus, 6 species)
- Superfamily Erythraeoidea Robineau-Desvoidy, 1828 (2 families)
 - Family Erythraeidae Robineau-Desvoidy, 1828 (=†Proterythraeidae Vercammen-Grandjean, 1973) (55 genera, 771 species)
 - Family Smarididae Kramer, 1878 (10 genera, 53 species)
- Superfamily Tanaupodoidea Thor, 1935 (1 family)
 - Family Tanaupodidae Thor, 1935 (7 genera, 23 species)
- Superfamily Trombidoidea Leach, 1815 (includes Chyzerioidea and Trombiculoidea) (11 families)
 - Epifamily Trombelloidae Thor, 1935
 - Family Audyanidae Southcott, 1987 (1 genus, 1 species)
 - Family Chyzeriidae Womersley, 1954 (11 genera, 30 species)
 - Family Johnstonianidae Thor, 1935 (10 genera, 53 species)
 - Family Neothrombiidae Feider, 1959 (16 genera, 25 species)
 - Family Trombellidae Leach, 1815 (19 genera, 41 species)
 - Epifamily Trombiculoidea
 - Family Trombiculidae Ewing, 1929 (152 genera, 3,100 species)
 - Subfamily Apoloniinae Wharton, 1947
 - Subfamily Garliepiinae Womersley, 1952
 - Subfamily Leeuwenhoekiiinae Womersley, 1944 (33 genera, 230 species)
 - Subfamily Trombiculinae Ewing, 1929
 - Family Walchiidae Ewing, 1946 (19 genera, 298 species)
 - Epifamily Trombidoidea Lech, 1815 (= Trombidoidea sensu Welbourn 1991)
 - Family Achaemenothrombiidae Saboori, Wohltmann & Hakimitabar, 2010 (1 genus, 2 species)
 - Family Microtrombidiidae Thor, 1935 (126 genera, 437 species)
 - Family Neotrombidiidae Feider, 1959 (5 genera, 24 species)
 - Family Trombidiidae Leach, 1815 (25 genera, 253 species)
- Superfamily Yurebilloidea Southcott, 1996 (1 family)
 - Family Yurebillidae Southcott, 1996 (1 genus, 1 species)
- Unranked Stygothrombiae
 - Superfamily Stygothrombioidea Thor, 1935 (1 family)
 - Family Stygothrombiidae Thor, 1935 (5 genera, 16 species)
- Unranked Hydrachnidiae (fresh water mites)
 - Superfamily Hydryphantoidea Piersig, 1896 (8 families)
 - Family Hydryphantidae Piersig, 1896 (51 genera, 329 species)
 - Family Hydrodromidae Viets, 1936 (2 genera, 28 species)
 - Family Rhynchohydracaridae Lundblad, 1936 (5 genera, 13 species)
 - Family Teratothyadidae Viets, 1929 (2 genera, 9 species)
 - Family Ctenothyadidae Lundblad, 1936 (2 genera, 3 species)
 - Family Thermacaridae Sokolow, 1927 (1 genera, 4 species)
 - Family Zelandothyadidae Cook, 1983 (2 genera, 3 species)
 - Family Malgasacaridae Tuzovskij, Gerecke & Goldschmidt 2007 (1 genus, 1 species)
 - Superfamily Eylaoidea Leach, 1815 (4 families)
 - Family Eylaidae Leach, 1815 (2 genera, 96 species)
 - Family Limnocharidae Grube, 1859 (5 genera, 44 species)
 - Family Piersigiidae Oudemans, 1902 (4 genera, 9 species)
 - Family Apheviderulicidae Gerecke, Smith & Cook, 1999 (1 genus, 3 species)
 - Superfamily Hydrovolzioidea Thor, 1905 (2 families)
 - Family Hydrovolziidae Thor, 1905 (3 genera, 16 species)
 - Family Acherontacaridae Cook, 1967 (2 genera, 19 species)
 - Superfamily Hydrachnoidea Leach, 1815 (1 family)
 - Family Hydrachnidae Leach, 1815 (1 genus, 131 species)
 - Superfamily Lebertioidea Thor, 1900 (10 families)
 - Family Bandakiopsidae Panesar, 2004 (3 genera, 4 species)
 - Family Stygotoniidae Cook, 1992 (1 genus, 1 species)
 - Family Sperchontidae Thor, 1900 (5 genera, 173 species)
 - Family Rutripalpidae Sokolow, 1934 (1 genus, 2 species)
 - Family Teutonidae Koenike, 1910 (2 genera, 6 species)

- Family Anisitsiellidae Koenike, 1910 (29 genera, 159 species)
- Family Lebertiidae Thor, 1900 (3 genera, 138 species)
- Family Acucapitidae Wiles, 1996 (1 genus, 2 species)
- Family Oxidae Viets, 1926 (2 genera, 126 species)
- Family Torrenticolidae Piersig, 1902 (6 genera, 397 species)
- Superfamily Hygrobatoidea Koch, 1842 (13 families)
 - Family Pontarachnidae Koenike, 1910 (2 genera, 40 species)
 - Family Limnesiidae Thor, 1900 (29 genera, 227 species)
 - Family Omartacaridae Cook, 1963 (2 genera, 14 species)
 - Family Wettinidae Cook, 1956 (4 genera, 9 species)
 - Family Frontipodopsidae Viets, 1931 (1 genus, 9 species)
 - Family Ferradasiidae Cook, 1980 (1 genus, 1 species)
 - Family Lethaxonidae Cook, Smith & Harvey, 2000 (3 genera, 16 species)
 - Family Hygrobatidae Koch, 1842 (82 genera, 846 species)
 - Family Aturidae Thor, 1900 (81 genera, 800 species)
 - Family Feltriidae Viets, 1926 (1 genus, 115 species)
 - Family Unionicolidae Oudemans, 1909 (18 genera, 477 species)
 - Family Pionidae Thor, 1900 (15 genera, 342 species)
 - Family Astacocrotonidae Thor, 1927 (1 genus, 1 species)
- Superfamily Arrenuroidea Thor, 1900 (20 families)
 - Family Momoniidae Viets, 1926 (13 genera, 55 species)
 - Family Nudomideopsidae Smith, 1990 (3 genera, 31 species)
 - Family Mideopsidae Koenike, 1910 (8 genera, 113 species)
 - Family Athienemanniidae Viets, 1922 (16 genera, 43 species)
 - Family Chappuisididae Motas & Tanasachi, 1946 (2 genera, 13 species)
 - Family Gretacaridae Viets, 1978 (1 genus, 15 species)
 - Family Neoacaridae Motas & Tanasachi, 1947 (2 genera, 19 species)
 - Family Mideidae Thor, 1911 (2 genera, 6 species)
 - Family Acalyptonotidae Walter, 1911 (2 genera, 4 species)
 - Family Kantacaridae Imamura, 1959 (1 genus, 1 species)
 - Family Nipponacaridae Imamura, 1959 (1 genus, 3 species)
 - Family Harpagopalpidae Viets, 1924 (1 genus, 7 species)
 - Family Arenohydracaridae Cook, 1974 (1 genus, 3 species)
 - Family Amoenacaridae Smith & Cook, 1997 (1 genus, 3 species)
 - Family Laversiidae Cook, 1955 (1 genus, 1 species)
 - Family Krendowskiidae Viets, 1926 (4 genera, 52 species)
 - Family Arrenuridae Thor, 1900 (7 genera, 950 species)
 - Family Bogatiidae Motas & Tanasachi, 1948 (2 genera, 3 species)
 - Family Hungarohydracaridae Motas & Tanasachi, 1959 (5 genera, 17 species)
 - Family Uchidastygacaridae Imamura, 1956 (3 genera, 15 species)
- Infraorder Eleutherengona Oudemans, 1909 (12 superfamilies)
 - Hyporder Raphignathina Kethley, 1982 (5 superfamilies)
 - Superfamily Cheyletoidea Leach, 1815 (5 families)
 - Family Cheyletidae Leach, 1815 (75 genera, 438 species)
 - Family Demodicidae Nicolet, 1855 (7 genera, 108 species)
 - Family Harpirhynchidae Dubinin, 1957 (14 genera, 93 species)
 - Family Psorergatidae Dubinin, 1955 (3 genera, 73 species)
 - Family Syringophilidae Lavoipierre, 1953 (63 genera, 259 species)
 - Superfamily Myobioidea Mégnin, 1877 (1 family)
 - Family Myobiidae Mégnin, 1877 (54 genera, 503 species)
 - Superfamily Pterygosomatoidea Oudemans, 1910 (1 family)
 - Family Pterygosomatidae Oudemans, 1910 (10 genera, 166 species)
 - Superfamily Raphignathoidea Kramer 1877 (11 families)
 - Family Barbutiidae Robaux, 1975 (1 genus, 5 species)
 - Family Caligonellidae Grandjean, 1944 (5 genera, 50 species)
 - Family Camerobiidae Southcott, 1957 (7 genera, 146 species)
 - Family Cryptognathidae Oudemans, 1902 (3 genera, 52 species)

Family Dasythyreidae Walter & Gerson, 1998 (2 genera, 5 species)
 Family Eupalopsellidae Willmann, 1952 (5 genera, 40 species)
 Family Homocaligidae Wood, 1970 (2 genera, 8 species)
 Family Mecognathidae Gerson & Walter, 1998 (2 genera, 7 species)
 Family Raphignathidae Kramer, 1877 (3 genera, 57 species)
 Family Stigmaeidae Oudemans, 1931 (30 genera, 502 species)
 Family Xenocaligonellididae Gonzalez, 1978 (2 genera, 5 species)
 Superfamily Tetranychioidea Donnadieu 1875 (5 families)
 Family Allochaetophoridae Reck, 1959 (1 genus, 2 species)
 Family Linotetranidae Baker & Pritchard, 1953 (4 genera, 16 species)
 Family Tenuipalpidae Berlese, 1913 (34 genera, 895 species)
 Family Tetranychidae Donnadieu 1875 (95 genera, 1,270 species)
 Family Tuckerellidae Baker & Pritchard, 1953 (1 genus, 28 species)
 Hyporder Heterostigmata Berlese, 1899 (7 superfamilies)
 Superfamily Dolichocyboidea Mahunka, 1970 (1 family)
 Family Dolichocybidae Mahunka, 1970 (6 genera, 37 species)
 Family Crotalomorphidae Lindquist & Krantz, 2002 (1 genus, 1 species)
 Superfamily Heterocheyleoidea Trägårdh, 1950 (1 family)
 Family Heterocheylidae Trägårdh, 1950 (1 genus, 25 species)
 Superfamily Pyemotoidea Oudemans, 1937 (4 families)
 Family Acarophenacidae Cross, 1965 (7 genera, 31 species)
 Family Carabocaridae Mahunka, 1970 (2 genera, 7 species)
 Family Resinacaridae Mahunka, 1976 (2 genera, 2 species)
 Family Pyemotidae Oudemans, 1937 (1 genus, 24, species)
 Superfamily Pygmephoroidea Cross, 1965 (=Scutacaroidae) (4 families)
 Family Pygmephoridae Cross, 1965 (27 genera, 310 species)
 Family Scutacaridae Oudemans, 1916 (24 genera, 802 species)
 Family Microdispidae Cross, 1965 (17 genera, 109 species)
 Family Neopygmephoridae Cross, 1965 (17 genera, 248 species)
 Superfamily Tarsocheyleoidea Atyeo & Baker, 1964 (1 family)
 Family Tarsocheylidae Atyeo & Baker, 1964 (2 genera, 3 species)
 Superfamily Tarsonemoidea Kramer, 1877 (2 families)
 Family Podapolipidae Ewing, 1922 (30 genera, 239 species)
 Family Tarsonemidae Kramer, 1877 (41 genera, 566 species)
 Superfamily Trochometridioidea Mahunka, 1970 (2 families)
 Family Trochometridiidae Mahunka, 1970 (2 genera, 6 species)
 Family Athyreacaridae Lindquist, Kaliszewski & Rack, 1990 (1 genus, 1 species)
 Hyporder incertae sedis
 Superfamily Cloacaroidae Camin, Moss, Oliver & Singer, 1967 (2 families)
 Family Cloacaridae Camin, Moss, Oliver & Singer, 1967 (6 genera, 14 species)
 Family Epimyodicidae Fain, Lukoschus & Rosmalen, 1982 (1 genus, 4 species)