

CATALOGUE OF THE WORLD TROMBIDIIDAE (ACARI: ACTINOTRICHIDA: TROMBIDIOIDEA)

JOANNA MAKOL

*Department of Zoology, Agricultural University of Wrocław, Cybulskiego 20, 50-205 Wrocław,
Poland; e-mail: makol@ozi.ar.wroc.pl*

Abstract.— Three subfamilies, 20 genera and 234 species assigned to family Trombidiidae are listed. Data on known active instars as well as distribution data are given. *Incertae sedis* taxa are listed separately.



Key words.— Acari, Trombidiidae, World, catalogue.

INTRODUCTION

With respect to the number of species Trombidiidae Leach, 1815 sensu Welbourn (1991), constitute the second family among Trombidioidea. Welbourn (1991) excluded from Trombidiidae five of the subfamilies previously assigned here. In consequence the family comprises three subfamilies: *Trombidiinae* Leach, 1815, *Allothrombiinae* Thor, 1935 and *Podothrombiinae* Thor, 1935.

The actual number of species assigned to Trombidiidae is artificially overstated; this is caused by independent descriptions of larvae and postlarval forms resulting from heteromorphic character of preimaginal instars.

All the genera and nominal species classified in Trombidiidae have been included in the Catalogue. It has been based on specimens from museum collections, material accumulated by me, and on original descriptions of all the taxa considered. The examined type material includes specimens from the collections of Berlese (Istituto Sperimentale per la Zoologia Agraria, Firenze, Italy), Oudemans (Nationale Natuurhistorisch Museum, Leiden, The Netherlands) and Schweizer (Natural History Museum, Basel, Switzerland). I have also examined types of the taxa described by Haitlinger and included types of my own species. Also species of doubtful generic placement, when the information in the description was insufficient to solve the problem, have been included. Genera and species-group taxa are listed in alphabetical order within subfamilies. Symbols of stages from which a species is known are given in brackets. When the descriptions contain no precise information on whether the specimens were deutonymphs (DN) or adults (AD), only their appurtenance to postlarval stage (POSTLV) is indicated. Papers listed under each taxon are those containing original descriptions, new combinations (changed status), the best redescriptions, papers including descriptions of previously unknown stages or

new distribution data. Distribution is given in accordance with the present political division of the World.

TROMBIDIIDAE LEACH, 1815

Trombidiidae: Berlese 1893: 90 [part.], 1912: 1 [part.]; Thor 1900: 3 [part.], 1930: 103 [part.], 1935: 107 [part.]; Trägårdh 1904a: 41 [part.], 1904b: 3 [part.], 1910: 461 [part.], 1912: 419 [part.]; Rainbow 1906: 156 [part.]; Hirst 1928a: 563 [part.], 1929: 165 [part.], 1931: 561 [part.]; Vitzthum 1929: 61 [part.], 1942: 825 [part.]; Womersley 1934: 182 [part.], 1937: 75 [part.]; Oudemans 1937: 1349 (as "Trombidides") [part.]; Thor and Willmann 1947: 187 [part.]; Schweizer 1951: 81 [part.]; Daniel 1955b: 150 [part.], 1959: 66 [part.]; Meyer and Ryke 1960: 195 [part.]; Schweizer and Bader 1963: 316 [part.]; Vercaemmen-Grandjean 1973: 102 [part.]; Welbourn 1984: 137 [part.]; Southcott 1987: 43 [part.]; Gerson and Smiley 1990: 102 [part.]; Kethley 1990: 705, 734 [part.]; Welbourn 1991: 169; Zhang 1995: 96.

Thrombidiidae [sic!]: Oudemans 1904a: 98 [part.], 1912a: 2 [part.], 1914: 123 [part.]; Hull 1918: 14 [part.]; Schweizer 1922: 84 [part.]; André 1938a: 215 [part.]; Robaux 1967a: 5 [part.].

Trombidiinae Leach, 1815

Trombidiinae: Trägårdh 1904a: 50 [part.], 1904b: 74 [part.], 1910: 483 [part.]; Thor 1935: 111; Womersley 1937: 92 [with wrong name and year: "Michael, 1883"]; Vitzthum 1942: 831 [with wrong name and year: "Sig Thor 1935"]; Thor and Willmann 1947: 423; Feider 1955: 149; Schweizer and Bader 1963: 317; Vercaemmen-Grandjean 1973: 112 [part.]; Southcott 1986: 8.

Sericothrombiinae Feider, 1955: 157.

Sericothrombiinae: Robaux 1967a: 94, 118.

Thrombidiinae [sic!]: Hull 1918: 15 [part.]; André 1926a: 175; Robaux 1967a: 85, 117, 1969b: 88.

Archithrombium Feider, 1955

Archithrombium Feider, 1955: 158.

Archithrombium: Robaux 1967a: 118; Southcott 1986: 59.

- Type species. *Sericothrombium andrei* Feider, 1950.
- andrei*** (Feider, 1950) [AD]
- Sericothrombium andrei*: Feider 1948: 207, nom. nud.
Sericothrombium andrei Feider, 1950a: 138, 224.
Archithrombium andrei: Feider 1955: 160; Robaux 1967a: 118.
- Distribution. Romania.
- inflatum*** (Feider, 1950) [AD]
- Sericothrombium inflatum*: Feider 1948: 207, nom. nud.
Sericothrombium inflatum Feider, 1950a: 139, 225.
Archithrombium inflatum: Feider 1955: 160; Robaux 1967a: 118.
- Distribution. Romania.
- Austrothrombium*** Womersley, 1934
- Allothrombium (Mesothrombium)*: Hirst 1929: 170 [part.].
Austrothrombium Womersley, 1934: 207.
Austrothrombium: Womersley 1937: 97; Thor and Willmann 1947: 482; Southcott 1986: 18.
Xenothrombium: Womersley 1937: 93.
Xenotrombium [sic!]: Lee and Southcott 1979: 34.
- Type species. *Allothrombium (Mesothrombium) australiense* Hirst, 1929.
- australiense*** (Hirst, 1929) [AD]
- Allothrombium (Mesothrombium) australiense* Hirst, 1929: 171.
Austrothrombium australiense: Womersley 1934: 207, 1937: 97; Thor and Willmann 1947: 482; Southcott 1986: 19.
Allothrombium australiense: Prasad 1974: 100.
- Distribution. Australia, India.
- hirsutum*** (Womersley, 1937) [AD]
- Xenothrombium hirsutum* Womersley, 1937: 93.
Xenothrombium hirsutum: Thor and Willmann 1947: 425.
Xenotrombium [sic!] *hirsutum*: Lee and Southcott 1979: 34.
Austrothrombium hirsutum: Southcott 1986: 21.
- Distribution. Australia.
- insigne*** (Hirst, 1928) [AD]
- Allothrombium insigne* Hirst, 1928b: 1029.
Allothrombium (Mesothrombium) insigne: Hirst 1929: 170.
Austrothrombium insigne: Womersley 1934: 208, 1937: 97; Thor and Willmann 1947: 483; Southcott 1986: 25.
- Distribution. Australia.
- kondininum*** (Hirst, 1928) [AD]
- Allothrombium antipodianum* var. *kondininum* Hirst, 1928b: 1030.
Allothrombium (Mesothrombium) kondinium [err. typ.]: Hirst 1929: 170.
Austrothrombium kondinium [err. typ.]: Womersley 1934: 208 [part.], 1937: 97 [part.].
Austrothrombium kondininum: Thor and Willmann 1947: 483; Southcott 1986: 27.
- Distribution. Australia.
- mullewaense*** Southcott, 1986 [AD]
- Astrothrombium kondinium* [err. typ.]: Womersley 1934: 208 [part.], 1937: 97 [part.].
Astrothrombium mullewaense Southcott, 1986: 27.
- Distribution. Australia.
- porongorense*** Southcott, 1986 [AD]
- Astrothrombium porongorense* Southcott, 1986: 29.
- Distribution. Australia.
- scaurum*** Southcott, 1986 [AD]
- Astrothrombium scaurum* Southcott, 1986: 29.
- Distribution. Australia.
- Caenothrombium*** Oudemans, 1927
- Caenothrombium* Oudemans, 1927: 230.
Caenothrombium: Oudemans 1928a: 84; Womersley 1934: 200 (with wrong date: "1928"), 1937: 94; Thor and Willmann 1947: 426; Feider 1950a: 135, 1955: 153; Robaux 1967a: 89, 118; Southcott 1986: 31.
- Type species. *Caenothrombium caloris* Oudemans, 1927.
- burraense*** Womersley, 1942 [POSTLV]
- Caenothrombium burraensis* [sic!] Womersley, 1942: 179.
- Distribution. Australia.
- caloris*** Oudemans, 1927 [AD]
- Caenothrombium caloris* Oudemans, 1927: 230.
Caenothrombium caloris: Oudemans 1928a: 84; Thor and Willmann 1947: 427; Feider 1950a: 135.
- Distribution. Indonesia (Moluccas).
- chiliense*** Robaux, 1969 [AD]
- Caenothrombium chiliensis* [sic!] Robaux, 1969b: 86.
- Distribution. Chile.
- coccineum*** André, 1947 [POSTLV]
- Caenothrombium coccineum* André, 1947: 444.
- Distribution. France.
- cypriense*** (Robaux, 1964) [DN]
- Dinothrombium cypriensis* [sic!] Robaux, 1964b: 569.
Caenothrombium cypriensis [sic!]: Robaux 1967a: 118.
- Distribution. Cyprus.
- diegoense*** Robaux, 1966
- Caenothrombium diegoensis* [sic!]: Robaux, 1966d: 635.

- Distribution. Madagascar.
- dobrogiacum*** Feider, 1950 [AD]
- Caenothrombium dobrogiacum*: Feider 1948: 206, nom. nud.
Caenothrombium dobrogiacum Feider, 1950a: 135, 222.
Caenothrombium dobrogiacum: Feider 1955: 155, 1959: 84;
 Robaux 1967a: 118.
- Distribution. Romania.
- furcatum*** Womersley, 1937 [POSTLV]
- Caenothrombium furcatum* Womersley, 1937: 95.
Caenothrombium furcatum: Thor and Willmann 1947: 432.
- Distribution. Australia.
- unisetum*** Robaux, 1969 [AD]
- Caenothrombium unisetum* Robaux, 1969b: 83.
- Distribution. Chile.
- vannieri*** Robaux, 1967 [AD]
- Caenothrombium vannieri* Robaux, 1967a: 90, 118.
- Distribution. Spain.
- Clinotrombium*** Southcott, 1986
- Clinotrombium* Southcott, 1986: 33.
- Type species. *Clinotrombium antares* Southcott, 1986.
- antares*** Southcott, 1986 [LV]
- Clinotrombium antares* Southcott, 1986: 34.
- Distribution. Australia.
- bellator*** Southcott, 1986 [LV]
- Clinotrombium bellator* Southcott, 1986: 36.
- Distribution. Australia.
- commoni*** Southcott, 1986 [LV]
- Clinotrombium commoni* Southcott, 1986: 37.
- Distribution. Australia.
- dumosum*** Southcott, 1986 [LV]
- Clinotrombium dumosum* Southcott, 1986: 38.
- Distribution. Mauritius.
- metae*** (Boshell and Kerr, 1942) [AD, DN, LV]
- Allothrombium metae* Boshell and Kerr, 1942: 126.
Allothrombium metae: Michener 1946: 354.
Clinotrombium metae: Welbourn and Young 1988: 381.
- Distribution. Colombia, Panama.
- watanabei*** (Shiba, 1976) [LV]
- Allothrombium watanabei* Shiba, 1976: 220.
Clinotrombium watanabei: Zhang and Xin 1992: 385.
- Distribution. Malaysia (Malay Peninsula).
- Dinothrombium*** Oudemans, 1910
- Acarus* Linnaeus, ?1767 [part.].
Dinothrombium Oudemans, 1910a: 48.
Dinothrombium: Oudemans 1912b: 275, 1914: 135; André 1938a: 238; Thor and Willmann 1947: 444 [part.]; Newell and Tevis 1960: 293; Newell 1979: 425; Southcott 1986: 31.
Trombidium: Berlese 1912: 223 [part.]; André: 1926b: 377 [part.].
Isothrombium André, 1949a: 354.
Isothrombium: Southcott 1986: 31, 32, syn. with *Dinothrombium*.
Angelothrombium Newell and Tevis, 1960: 294.
Angelothrombium: Newell 1979: 426, syn. with *Dinothrombium*. see also: Southcott 1986: 32.
- Type species. *Acarus tinctorius* Linnaeus, 1767
- brevipilum*** (Berlese, 1910) [POSTLV]
- Trombidium tinctorium* var. *brevipilum* Berlese, 1910: 364.
Trombidium tinctorium var. *brevipilum*: Berlese 1912: 242.
Dinothrombium brevipilum: Thor and Willmann 1947: 453.
- Distribution. Yemen.
- colhuianum*** Vitzthum, 1933 [AD]
- Dinothrombium colhuianum* Vitzthum, 1933: 232.
Dinothrombium colhuianum: Thor and Willmann 1947: 452; Newell and Tevis 1960: 293.
- Distribution. Mexico.
- corpulentum*** (Berlese, 1910) [POSTLV]
- Trombidium corpulentum* Berlese, 1910: 364.
Trombidium corpulentum: Berlese 1912: 237, 1923: 117.
Dinothrombium corpulentum: Thor and Willmann 1947: 449.
- Distribution. New Caledonia.
- crassipalpe*** (Trägårdh, 1904) [POSTLV]
- Trombidium crassipalpe* Trägårdh, 1904b: 77.
Trombidium crassipalpe: Berlese 1912: 229.
Dinothrombium crassipalpe: Thor and Willmann 1947: 447.
- Distribution. Sudan.
- dammermani*** Vitzthum, 1926 [AD]
- Dinothrombium dammermani* Vitzthum, 1926: 145.
Dinothrombium dammermani: Thor and Willmann 1947: 451.
- Distribution. Indonesia (Java).
- dugesi*** (Trouessart, 1894) [POSTLV]
- Trombidium Dugesi* Trouessart, 1894: 93.
Trombidium dugesi: Berlese 1912: 244.
Dinothrombium dugesi: Thor and Willmann 1947: 453.
- Distribution. Mexico.

Aphithrombium Childers and Vercammen-Grandjean, 1980: 721.
Nippotrombium Southcott, 1986: 40.
Allothrombium: Trägårdh 1904b: 74; Berlese 1912: 244; Oudemans 1912a: 91, 1916: 29; Hull 1918: 15; Vitzthum 1929: 66, 67; André 1936a: 421, 1938a: 243, 1958: 106, 1962c: 111; Thor and Willmann 1947: 458, 502; Feider 1950a: 143, 1951b: 485, 1955: 175; Meyer and Ryke 1960: 199; Robaux 1967a: 101, 119; Zhang and Xin 1992: 385; Zhang and Norbaksh 1995: 710.

Type species. *Trombidium fuliginosum* Hermann, 1804.

adustum Oudemans, 1905 [AD]

Allothrombidium [err. typ.] *adustum* Oudemans, 1905b: 17.
Allothrombidium [err. typ.] *adustum*: Oudemans 1906a: 42.
Allothrombium adustum: Oudemans 1916: 34; Thor and Willmann 1947: 476; Robaux 1967a: 119.

Distribution. Germany, The Netherlands.

aequinoctiale Oudemans, 1927 [AD]

Allothrombium aequinoctiale Oudemans, 1927: 229.
Allothrombium aequinoctiale: Oudemans 1928a: 75; Thor and Willmann 1947: 472; Feider 1950a: 148.

Distribution. Indonesia (Celebes).

amiraeli Haitlinger, 1997 [LV]

Allothrombium amiraeli Haitlinger, 1997: 128.

Distribution. Spain (Canary Islands).

angulatum Feider, 1955 [POSTLV]

Allothrombium angulatum Feider, 1955: 180.
Allothrombium angulatum: Daniel 1955a: 57 [with wrong date "1953"]; Feider 1959: 79, 84; Robaux 1967a: 120.

Distribution. Romania.

angustiforme Willmann, 1951 [POSTLV]

Allothrombium angustiforme Willmann, 1951b: 147.
Allothrombium angustiforme: Robaux 1967a: 120.

Distribution. Austria.

arambourgi André, 1936 [POSTLV]

Allothrombium Arambourgi André, 1936a: 425.
Allothrombium Arambourgi: André 1938a: 246.
Allothrombium arambourgi: Thor and Willmann 1947: 478.

Distribution. Kenya/Uganda (Mt. Elgon).

argenteocinctum (Berlese, 1910) [POSTLV]

Enemothrombium argenteocinctum Berlese, 1910: 359.
Allothrombium argenteocinctum: Berlese 1912: 252; Thor and Willmann 1947: 468.

Distribution. Indonesia (Java).

athleticum Berlese, 1910 [POSTLV]

Allothrombium athleticum Berlese, 1910: 367.

Allothrombium strigosum var. *velutinum* Berlese 1910: 368.
Allothrombium athleticum: Berlese 1912: 269, 1922: 106; André 1938b: 225, 234, 1958: 107, 1962a: 106; Thor and Willmann 1947: 467.

Distribution. Angola, Ethiopia, Kenya, Senegal, Sierra Leone, Indonesia.

barbuligerum André, 1936 [POSTLV]

Allothrombium barbuligerum André, 1936a: 432.
Allothrombium barbuligerum: André 1938a: 253; Thor and Willmann 1947: 479.

Distribution. Kenya/Uganda (Mt. Elgon).

brachytrichotum André, 1936 [POSTLV]

Allothrombium brachytrichotum André, 1936a: 424.
Allothrombium brachytrichotum: André 1938a: 245; Thor and Willmann 1947: 477.

Distribution. Ethiopian Africa (orig. "Massif du Marakwet").

brevitarsum (Berlese, 1888) [POSTLV]

Trombidium gymnopteron var. *brevitarsum* Berlese, 1888: 7.
Trombidium gymnopteron var. *brevitarsum*: Berlese and Leonardi 1901: 17.
Allothrombium brevitarsum: Berlese 1912: 267; Vitzthum 1926: 150; Thor and Willmann 1947: 465.

Distribution. Argentina, Brazil, Chile, Paraguay, Indonesia (Java).

chanaanense Feider, 1977 [LV]

Allothrombium chanaanense Feider, 1977: 108.
Allothrombium chanaanense: Zhang and Xin 1992: 387.

Distribution. Israel.

crassicomum Berlese, 1910 [POSTLV]

Allothrombium crassicomum Berlese, 1910: 368.
Allothrombium crassicomum: Berlese 1912: 263; Thor and Willmann 1947: 468.

Distribution. Argentina, Brazil.

cursorium Berlese, 1916 [POSTLV]

Allothrombium cursorium Berlese, 1916: 290.
Allothrombium cursorium: André 1936a: 427, 1938a: 249; Thor and Willmann 1947: 471.

Distribution. Kenya/Uganda (Mt. Elgon).

delamarei André, 1962 [POSTLV]

Allothrombium delamarei André, 1962b: 46.
Allothrombium delamarei: André 1962c: 112.

Distribution. Argentina.

delicatulum Womersley, 1934 [POSTLV]

Allothrombium delicatulum Womersley, 1934: 210.

pulvinum Ewing, 1917 [AD, DN, LV]

Allothrombium pulvinum [sic!] Ewing, 1917: 157.
Allothrombium pulvinum: Howard 1918: ?; Miller 1925: ?;
 Thor and Willmann 1947: 470; Zhang 1988: 173; Zhang and
 Xin 1989b: 192; 1992: 387; Zhang and Faraji 1994: 357;
 Goldarazena and Zhang 1996: 209, 1997a: 221; Saboori and
 Zhang 1996: 137.

Distribution. Great Britain (England), Spain, Iran,
 United States (Illinois, Minnesota, Ohio).

pumilio André, 1936 [POSTLV]

Allothrombium pumilio André, 1936a: 422.
Allothrombium pumilio: André 1938a: 244; Thor and
 Willmann 1947: 477.

Distribution. Kenya/Uganda (Mt. Elgon).

recki Feider and Agekian, 1967 [LV]

Allothrombium recki Feider and Agekian, 1967: 71.
Allothrombium recki: Zhang and Xin 1992: 387.

Distribution. Russia (Georgia).

reinholdi Haitlinger, 1994 [LV]

Allothrombium reinholdi Haitlinger, 1994a: 406.

Distribution. Switzerland.

sericoideum Berlese, 1910 [POSTLV]

Allothrombium strigosum var. *sericoideum* Berlese, 1910: 368.
Allothrombium sericoideum: Berlese 1912: 272; Thor and
 Willmann 1947: 467.

Distribution. Argentina.

shirazicum Zhang, 1996 [AD, LV]

Allothrombium shirazicum Zhang, 1996 (in: Zhang and
 Rastegari 1996: 91).
Allothrombium shirazicum: Saboori and Zhang 1997: 251;
 Saboori 1999: 197.

Distribution. Iran.

simoni Berlese, 1910 [POSTLV]

Allothrombium simoni Berlese, 1910: 366.
Allothrombium simoni: Berlese 1912: 250, 1923: 116; Thor and
 Willmann 1947: 469.

Distribution. New Caledonia.

socotranum Hirst, 1926 [POSTLV]

Allothrombium socotranum Hirst, 1926: 610.
Allothrombium socotranum: Thor and Willmann 1947: 472.

Distribution. Yemen (Socotra).

strigosum Berlese, 1910 [POSTLV]

Allothrombium strigosum Berlese, 1910: 368.
Allothrombium strigosum: Berlese 1912: 265; Thor and
 Willmann 1947: 466.

Distribution. Micronesia (Mariana Islands).

subtile Daniel, 1955 [DN]

Allothrombium subtile Daniel, 1955a: 56.
Allothrombium subtile: Daniel 1959: 68; Robaux 1967a: 120.

Distribution. Czech Republic.

succinctum Berlese, 1916 [POSTLV]

Allothrombium succinctum Berlese, 1916: 290.
Allothrombium succinctum: Thor and Willmann 1947: 471.

Distribution. Argentina.

terraereginae Hirst, 1926 [POSTLV]

Allothrombium terraereginae Hirst, 1926: 610.
Allothrombium terraereginae: Womersley 1937: 100; Thor
 and Willmann 1947: 473.

Distribution. Australia.

triticum Zhang, 1995 [AD, LV]

Allothrombium triticum Zhang, 1995: (in: Zhang and
 Norbaksh 1995: 712).
Allothrombium triticum: Zhang and Saboori 1996b: 207;
 Goldarazena and Zhang 1997: 220; Saboori and Kamali
 2000: 207.

Distribution. Spain, Iran.

trouessarti Berlese, 1910 [POSTLV]

Allothrombium trouessarti Berlese, 1910: 366.
Allothrombium trouessarti: Berlese 1912: 248, 1923: 116; Thor
 and Willmann 1947: 469.

Distribution. New Caledonia.

tuberculatum Willmann, 1953 [POSTLV]

Allothrombium tuberculatum Willmann, 1953: 491.
Allothrombium tuberculatum: Robaux 1967a: 120.

Distribution. Austria.

ursinum Berlese, 1910 [POSTLV]

Allothrombium ursinum Berlese, 1910: 367.
Allothrombium ursinum: Berlese 1912: 254; Thor and
 Willmann 1947: 470.

Distribution. New Caledonia.

vicinum André, 1936 [POSTLV]

Allothrombium vicinum André, 1936a: 426.
Allothrombium vicinum: André 1938a: 248; Thor and
 Willmann 1947: 478.

Distribution. Kenya/Uganda (Mt. Elgon).

wasseli Hirst, 1931 [POSTLV]

Allothrombium wasseli Hirst, 1931: 561.

Allothrombium wasseli: Womersley 1937: 100 (as possible syn. of *Allothrombium antipodianum* = *Mesothrombium antipodianum*); Thor and Willmann 1947: 474.

Distribution. Australia.

wolffi Krausse, 1925 [POSTLV]

Allothrombium Wolffi Krausse, 1925: 92.

Allothrombium wolffi [sic!]: Robaux 1967a: 120.

Allothrombium wolffi: Cooreman 1946: 14; Thor and Willmann 1947: 477; Willmann 1951b: 146, 1954: 240; Daniel 1959: 68.

Distribution. Austria, Cyprus, Czech Republic, Italy.

wyandrae Hirst, 1928 [POSTLV]

Allothrombium wyandrae Hirst, 1928a: 568.

Allothrombium wyandrae: Womersley 1934: 210, 1937: 100; Thor and Willmann 1947: 473.

Distribution. Australia.

Corethrothrombium Oudemans, 1928

Corethrothrombium Oudemans, 1928b: 292.

Corethrothrombium: Thor and Willmann 1947: 480.

Type species. *Trombidium pectinifer* Oudemans, 1926.

christopheanum (Kramer, 1897) [POSTLV]

Trombidium christopheanum Kramer, 1897: 209.

Corethrothrombium christopheanum: Thor and Willmann 1947: 480.

Distribution. Mozambique.

pectinifer (Oudemans, 1926) [POSTLV]

Trombidium pectinifer Oudemans, 1926a: 99.

Trombidium pectinifer: Oudemans 1928b: 292.

Corethrothrombium pectinifer: Thor and Willmann 1947: 481.

Distribution. Tanzania.

vandermeermohri Oudemans, 1929 [POSTLV]

Corethrothrombium vandermeermohri Oudemans, 1929a: 398.

Corethrothrombium vandermeermohri: Thor and Willmann 1947: 481.

Distribution. Malaysia (Berhala Pulau).

Mesothrombium Hirst, 1926

Allothrombium (Mesothrombium) Hirst, 1926: 611.

Allothrombium (Mesothrombium): Hirst 1929: 170; Thor and Willmann 1947: 475.

Mesothrombium: Southcott 1986: 61.

Type species. *Allothrombium (Mesothrombium) antipodianum* Hirst, 1926.

antipodianum (Hirst, 1926) [POSTLV]

Allothrombium antipodianum Hirst, 1926: 611.

Allothrombium antipodianum: Womersley 1934: 209, 1937: 100; *Allothrombium antipodianum* var. *olorinum* [sic!] Hirst, 1926: 611.

Allothrombium parvulum Hirst, 1929: 171.

Allothrombium (Mesothrombium) antipodianum: Thor and Willmann 1947: 475.

Allothrombium (Mesothrombium) antipodianum var. *olorina*: Thor and Willmann 1947: 475.

Distribution. Australia.

Mongolothrombium Feider, 1973

Mongolothrombium Feider, 1973: 709.

Type species. *Mongolothrombium laticoxum* Feider, 1973.

laticoxum Feider, 1973 [AD]

Mongolothrombium laticoxum Feider, 1973: 711.

Distribution. Mongolia.

Monotrombium Zhang, 1995

Monotrombium Zhang and Norbakhsh 1995: 706.

Type species. *Monothrombium simplicium* Zhang, 1995.

simplicium Zhang, 1995 [LV]

Monotrombium simplicium Zhang, 1995 (in: Zhang and Norbakhsh 1995: 707).

Monotrombium simplicium: Zhang and Rastegari 1996: 93.

Distribution. Iran.

Podothrombiinae Thor, 1935

Podothrombiinae Thor, 1935: 109.

Ocyptinae: Vitzthum: 1942: 828; Schweizer and Bader 1963: 360.

Ocyptinae (Podothrombiinae): Willmann 1954: 237.

Podothrombiinae: Thor and Willmann 1947: 242; Feider 1950a: 137; Lelièvre-Farjon 1960: 311; Robaux 1967a: 30, 112; Mąkol and Marusik 1999: 331.

Kurilothrombium Mąkol, 1999

Kurilothrombium Mąkol, 1999: 338 (in: Mąkol and Marusik 1999: 338).

Type species. *Kurilothrombium acanthinulum* Mąkol, 1999.

acanthinulum Mąkol, 1999 [AD]

Kurilothrombium acanthinulum Mąkol, 1999 (in: Mąkol and Marusik 1999: 338).

Distribution. Russia (Kuril Islands).

- Podothrombium blancei* Schweizer, 1922: 86.
Podothrombium blancei: Thor and Willmann 1947: 248;
 Willmann 1954: 238; Schweizer and Bader 1963: 366;
 Robaux 1967a: 113.
 nec *P. montanum* Shiba, 1969 (= *P. shibai*).
 Distribution. Austria, Czech Republic, Germany, Italy,
 Switzerland.
- multispinosum*** Willmann, 1951 [POSTLV]
Podothrombium multispinosum Willmann, 1951a: 149, 163.
Podothrombium multispinosum: Robaux 1967a: 113.
 Distribution. Austria.
- numidicum*** André, 1924 [POSTLV] stat. nov.
Podothrombium macrocarpum var. *numidica* André, 1924a: 272.
Podothrombium montanum [lapsus calami] var. *numidica*:
 Thor and Willmann 1947: 248.
 Distribution. Tunisia.
- pannonicum*** Fain and Ripka, 1998 [LV]
Podothrombium pannonicum Fain and Ripka, 1998: 71.
 Distribution. Hungary.
- paucisetarum*** Zhang and Xin, 1989 [LV]
Podothrombium paucisetarum Zhang and Xin, 1989: 169.
 Distribution. China.
- peragile*** Berlese, 1910 [AD]
Podothrombium bicolor: Berlese 1884: fasc. 16, n. 2 [part.].
Podothrombium peragile Berlese, 1910: 357.
Podothrombium peragile: Berlese 1912: 80; Thor and
 Willmann 1947: 250; Schweizer 1951: 97; Schweizer and
 Bader 1963: 362; Robaux 1967a: 34, 113.
 Distribution. Italy, Spain, Switzerland.
- piriforme*** Robaux, Schiess, 1982 [LV]
Podothrombium piriformis [sic!] Robaux and Schiess, 1982: 239.
Podothrombium piriformis [sic!]: Haitlinger 1995b: 266.
 Distribution. Germany, Switzerland.
- proti*** Haitlinger, 1994 [LV]
Podothrombium proti Haitlinger, 1994b: 534.
Podothrombium proti: Haitlinger 1995a: 92, 1999: 67.
 Distribution. Italy, Poland, Turkey.
- remyi*** Robaux, 1967 [AD, DN]
Podothrombium remyi Robaux, 1967a: 40, 114.
 Distribution. Spain.
- rigobertae*** Haitlinger, 1995 [LV]
Podothrombium rigobertae Haitlinger, 1995c: 470.
 Distribution. Poland.
- roari*** Haitlinger, 2000 [LV]
Podothrombium roari Haitlinger, 2000: 188.
 Distribution: Lithuania, Norway.
- shellhameri*** Robaux, 1977 [LV]
Podothrombium shellhameri Robaux, 1977: 658.
 Distribution. United States (California).
- shibai*** Gabryś, 1988 [AD]
Podothrombium montanum Shiba, 1969: 111.
 nec *Podothrombium montanum* Berlese, 1910.
Podothrombium shibai Gabryś, 1988b: 51.
 Distribution. Japan.
- spinosum*** Feider, 1955 [AD, DN]
Podothrombium spinosum Feider, 1955: 146.
Podothrombium spinosum: Feider 1959: 77, 84; Robaux 1965:
 436, 1967a: 31, 113.
Podothrombium sensiliatum Feider, 1955: 148.
Podothrombium sensiliatum: Feider 1959: 77; Robaux 1967a:
 31 (syn. with *P. spinosum*).
 Distribution. France, Romania.
- strandi*** Berlese, 1910 [AD]
Podothrombium strandi Berlese, 1910: 356.
Podothrombium strandi var. *vogesianum* Robaux 1963: 49,
 1965: 436.
Podothrombium vogesianum: Robaux 1967a: 113.
Podothrombium strandi: Berlese 1912: 75; Schweizer 1922:
 86, 1951: 95; Vitzthum 1929: 64; Thor and Willmann 1947:
 249; Feider 1955: 139, 1959: 77; Robaux 1963: 45, 1965: 436;
 1967a: 113; Schweizer and Bader 1963: 361; Makol 1998: 24;
 Makol and Marusik 1999: 332.
 Distribution. France, Germany, Norway, Romania,
 Switzerland.
- subnudum*** Berlese, 1910 [AD]
Podothrombium bicolor: Berlese 1884: fasc. 16, n. 2 [part.].
Podothrombium subnudum Berlese, 1910: 355.
Podothrombium subnudum: Berlese 1912: 70; Thor and
 Willmann 1947: 248; Schweizer and Bader 1963: 366; Robaux
 1967a: 113.
 Distribution. Italy, Switzerland.
- svalbardense*** Oudemans, 1930 [LV]
Podothrombium svalbardense Oudemans, 1930 (in: Thor
 1930: 105).
Podothrombium svalbardense: Thor and Willmann 1947: 502.
 Distribution. Norway (Svalbard).
- sylvicolum*** Zhang, 1995 [AD, DN, LV]
Podothrombium sylvicolum Zhang, 1995 (in: Zhang and
 Jensen 1995: 3).
 Distribution. United States (Oregon).

tersonderi Haitlinger, 1995 [LV]

Podothrombium tersonderi Haitlinger, 1995c: 466.

Distribution. Poland.

tymoni Haitlinger, 1994 [LV]

Podothrombium tymoni Haitlinger, 1994b: 532.

Podothrombium tymoni: Haitlinger 1995a: 91.

Distribution. Austria, Poland.

verae Haitlinger, 1995 [LV]

Podothrombium verae Haitlinger, 1995c: 464.

Distribution. Poland.

? *verecundum* Berlese, 1910 [AD]

Podothrombium verecundum Berlese, 1910: 355.

Podothrombium verecundum: Berlese 1912: 73; Thor and Willmann 1947: 248.

Distribution. ? Colombia.

Variathrombium Robaux, 1969

Variathrombium Robaux 1969b: 74.

Variathrombium: Southeott 1986: 61.

Type species. *Variathrombium thibaudi* Robaux, 1969.

castrii Robaux, 1969 [AD]

Variathrombium castrii Robaux, 1969b: 80.

Distribution. Chile.

diversum (André, 1961) [POSTLV]

Podothrombium diversum André, 1961: 169.

Podothrombium diversum: André 1962c: 118.

Variathrombium diversum: Robaux 1969b: 77.

Distribution. Chile.

longitarsum Robaux, 1969 [AD]

Variathrombium longitarsum Robaux, 1969b: 78.

Distribution. Chile.

thibaudi Robaux, 1969 [AD]

Variathrombium thibaudi Robaux, 1969b: 75.

Distribution. Chile.

TAXA INCERTAE SEDIS

Genera

Emitrombidium Lombardini, 1949

Emitrombidium Lombardini, 1949: 69.

Emitrombidium: Southeott 1986: 61.

Type species. *Emitrombidium variepilosum* Lombardini, 1949.

Phyllotrombidium Cooreman, 1946

Phyllotrombidium Cooreman 1946: 9.

Phyllotrombidium Gabryś, 1999: 168.

Species

armatum Kramer and Neuman, 1883 [POSTLV]

Trombidium armatum Kramer and Neumann, 1883: 521.

Trombidium armatum: Berlese 1912: 281 (? *Eutrombidium*); Oudemans 1898: 239.

Podothrombium armatum: Thor and Willmann 1947: 251 (as *Incertae sedis*).

Distribution. "Nordasien" [after Thor and Willmann 1947].

barbarum Lucas, 1846 [POSTLV]

Trombidium barbarum Lucas, 1846: 310.

Trombidium barbarum: Oudemans 1937: 1425; Gabryś 1999: 125.

Distribution. Algeria.

barbatum C.L. Koch, 1842 [POSTLV]

Trombidium barbatum C.L. Koch 1842: 44 [after Oudemans 1937].

Dinothrombium barbatum: Oudemans 1937: 1426.

Distribution. Senegal.

chlumanianum Canestrini, ? [POSTLV]

Trombidium chlumanianum Canestrini, ?

? *Allothrombium chlumanianum*: Berlese 1912: 282.

Distribution. Bolivia.

citrinum Gervais, 1849 [POSTLV]

Trombidium citrinum Gervais, 1849 (in: Gay 1849: 35).

Trombidium citrinum: Oudemans 1937: 1427.

Distribution. Chile.

cordiforme C. L. Koch, 1837 [POSTLV]

Trombidium cordiforme C.L. Koch, 1837: fa. 15, t. 4 [after Oudemans 1937].

Allothrombium cordiforme Oudemans 1937: 1499.

Distribution. Germany.

corrugatum C. L. Koch, 1837 [POSTLV]

Trombidium corrugatum C.L. Koch 1837: fa. 15, t. 16 [after Oudemans 1937].

? *Dinothrombium corrugatum*: Oudemans 1937: 1428.

Distribution. Germany.

curtipes Hermann, 1804 [POSTLV]

Trombidium curtipes Hermann, 1804: 26.

Enemothrombium curtipes: Oudemans 1929c: 354, 1937: 1422.

Distribution. France.

flavipes C. L. Koch, 1842 [POSTLV]

Trombidium flavipes C.L. Koch, 1842: 45 [after Oudemans 1937].
Trombidium flavipes: Oudemans 1937: 1434.
Dinothrombium flavipes: Thor and Willmann 1947: 456 (as Incertae sedis).

Distribution. France.

gemmosum Banks, 1901 [POSTLV]

Trombidium gemmosum Banks, 1901: 595.
Trombidium gemmosum: Thor and Willmann 1947: 443 (as Incertae sedis).

Distribution. United States (New Mexico).

giganteum Riley, 1878 [POSTLV]

Trombidium giganteum Riley, 1878: 312.
Trombidium giganteum: Thor and Willmann 1947: 443 (as Incertae sedis).

Distribution. United States (?).

hamatum Kramer, 1898 [POSTLV]

Thrombidium [sic!] *hamatum* Kramer 1898: 419.
Thrombidium [sic!] *hamatum*: Oudemans 1906b: 106.

Distribution. Nowa Gwinea.

hirsutissimum C. L. Koch, 1842 [POSTLV]

Trombidium hirsutissimum C.L. Koch, 1842: 46 [after Oudemans 1937].
Dinothrombium hirsutissimum: Oudemans 1937: 1436.
Trombidium hirsutissimum: Thor and Willmann 1947: 443 (as Incertae sedis).

Distribution. Greece.

hortense C. L. Koch, 1837 [POSTLV]

Trombidium hortense C.L. Koch, 1837, fa.15, t. 3 [after Oudemans 1937].
Allothrombium hortense: Oudemans 1937: 1501.

Distribution. Germany.

jeancooremani Gabryś, 1999 [AD, DN]

Phyllotrombidium barbarum: Cooreman 1946: 10.
Phyllotrombidium jeancooremani Gabryś, 1999: 169.
 Distribution. Cyprus.

magnificum Conte, 1852 [POSTLV]

Trombidium magnificum Conte, 1852: 145.
Trombidium magnificum: Berlese 1912: 282; Thor and Willmann 1947: 443 (as Incetae sedis).
Dinothrombium magnificum: Thor and Willmann 1947: 456 (as Incertae sedis); Newell and Tevis 1960: 293.

Distribution. United States (New Mexico, Texas).

mexicanum Stoll, 1886 [POSTLV]

Trombidium mexicanum Stoll, 1886: 2.

Trombidium mexicanum: Berlese 1912: 283.

Dinothrombium mexicanum: Thor and Willmann 1947: 457 (as Incertae sedis).

Distribution. Mexico.

muscaparasiticae Vishnuprija and Mohanasundaram, 1988 [LV]

Allothrombium muscaparasiticae Vishnuprija and Mohanasundaram, 1988: 252.

Distribution. Indie.

procerum C. L. Koch 1837 [POSTLV]

Trombidium procerum C.L. Koch, 1837, fa. 15, t. 14 [after Oudemans 1937].
 ? *Dinothrombium procerum*: Oudemans 1937: 1437.

Distribution. Germany.

russatum C. L. Koch, 1837 [POSTLV]

Trombidium procerum C.L. Koch, 1837, fa. 15, t. 12 [after Oudemans 1937].
 ? *Dinothrombium procerum* Oudemans 1937: 1439.

Distribution. Germany.

telletxaeae Goldarazena et al., 2000 [LV]

Trombidium telletxaeae Goldarazena et. al., Jordana, 2000: 76.
 Distribution. Turkey.

tenuiclavatum Berlese, 1916 [AD]

Sericothrombium tenuiclavatum Berlese, 1916: 291.
Trombidium tenuiclavatum: Thor and Willmann 1947: 441.
 Distribution. orig. "Africa orientali".

tubbi Womersley, 1942 [POSTLV]

Podothrombium tubbi Womersley, 1942: 172.
 Distribution. Australia.

variepilosum Lombardini, 1949 [POSTLV]

Emitrombidium variepilosum Lombardini, 1949: 71.
Emitrombidium variepilosum: Robaux 1967a: 118.

Distribution. Italy.

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