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Catalog of the world species of *Trichodesma* LeConte, 1861  
(Coleoptera: Ptinidae) and associated genera

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# Catalog of the world species of *Trichodesma* LeConte, 1861 (Coleoptera: Ptinidae) and associated genera

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**Abstract.** A catalog of the species of *Trichodesma* LeConte (Coleoptera: Ptinidae) for the world is provided, including synonyms and misspellings. Six additional genera, *Anobiopsis* Fall, *Belemia* Español, *Nanodesma* Zahradník, *Nicobium* LeConte, *Trichobiopsis* White, and *Trichodesmina* Español, are also cataloged for completeness. The species name, author, year, and page number of description are given for each species, as well as references for combinations by different authors. The type depository is given when known, and followed by a “?” when unknown but suspected, and a general distribution is given by region of the world followed by country. Authorship of the genus *Trichodesma* in Lepidoptera is transferred to Schaus.

**Key words.** Entomology, world fauna, taxonomy, checklist.

**ZooBank registration.** urn:lsid:zoobank.org:pub:99BDA976-4B58-4D42-8CF5-4D3034B95C7B

## Introduction

In Animalia, *Trichodesma* is a name first proposed in Coleoptera in 1861, then in Lepidoptera in 1898, and is also a genus of flowering plants. The genus *Trichodesma* LeConte (Coleoptera) is currently composed of 76 species, 72 extant and four fossil. The majority of species are found throughout the world's tropical and subtropical regions. Of the 72 extant species, 44 of them occur in the New World while 28 occur in the Old World. Subdivided further, there are 32 species in North and Central America, 12 in South America, eight in Africa, and 20 in Asia. The four fossil species come from Baltic amber, at least one of these from the Kaliningrad region of Russia. The main goal of this paper is to compile all nomenclatural data on *Trichodesma*. There are many new species awaiting description (personal observation) and this catalog is intended to be a step toward organizing the world fauna.

Several genera have been compared to *Trichodesma* but a complete phylogenetic revision of the subfamily and tribe have not been undertaken. Their inclusion in this catalog is not to be taken as an establishment of relatedness or closeness to *Trichodesma*, but simply for the sake of completeness and to aid in future work. While they may or may not be natural groupings, Bouchard et al. (2011) and Viñolas (2020a, b) give a brief discussion of the use of White's (1982) unavailable tribal names. Of the additional genera, *Anobiopsis* Fall, 1905 contains one species known only from California in western North America. *Belemia* Español, 1984 also contains one species, and is known from Brazil. *Nanodesma* Zahradník, 2019 is composed of 11 species, all occurring in southeastern Asia: China, Indonesia, Laos, Malaysia, and Thailand. *Nicobium* LeConte, 1864 contains eight species, generally restricted to southern Europe, the Mediterranean region, and Middle East. At least one species has been spread around the world through commerce and has historically been a pest. *Trichobiopsis* White, 1973 contains two species, both restricted to Brazil. *Trichodesmina* Español, 1982 also contains two species, occurring in central and southern Africa.

## Materials and Methods

The following abbreviations are used for collections that are cited as containing or possibly containing types or paratypes:

<b>AVPC</b>	Amador Viñolas Personal Collection, Barcelona, Spain.
<b>BAPC</b>	Bercedo-Arnáiz Personal Collection, Vegas del Condado, León, Spain.
<b>CCHH</b>	Christel and Hans Werner Hoffeins, Private Collection, Hamburg, Germany.
<b>DNMNH</b>	Ditsong National Museum of Natural History, Pretoria, South Africa (Transvaal Museum).
<b>EUMJ</b>	Entomological Laboratory, College of Agriculture, Ehime University, Matsuyama, Japan.
<b>FZMC</b>	Fernando de Zayas Muñoz Collection, Havana, Cuba.
<b>GPIH</b>	Carsten Gröhn - Geological-Palaeontological Museum of the University of Hamburg, Hamburg, Germany.
<b>HNHM</b>	Hungarian Natural History Museum, Budapest, Hungary.
<b>MCNB</b>	Museu de Ciències Naturals, Barcelona, Spain.
<b>MCNT</b>	Museo de Ciencia Naturales de Santa Cruz de Tenerife, Spain.
<b>MCZ</b>	Museum of Comparative Zoology, Harvard University, Massachusetts, USA.
<b>MFPC</b>	Mickaël François Personal Collection, Bar-sur-Aube, France.
<b>MNHN</b>	Muséum National d'Histoire Naturelle, Paris, France.
<b>MZBS</b>	Museu de Zoologia, Barcelona, Spain.
<b>NHMUK</b>	The Natural History Museum, London, United Kingdom.
<b>PZPC</b>	Petr Zahradník Personal Collection, Zbraslav, Prague, Czech Republic.
<b>RMCA</b>	Musée Royal de l'Afrique Centrale, Tervuren, Belgium.
<b>USNM</b>	National Museum of Natural History, Washington D.C., USA.
<b>ZMUM</b>	Zoological Museum of Moscow University, Moscow, Russia.

Species names appear in bold, followed by author, year, and page number of the original description, as well as who made the combination if the species was moved from a different genus. Synonyms and references are presented below the valid genus and species combination. The type depository is given when known, and followed by a “?” when unknown but suspected, as well as sex of the type, if known. The type locality is provided, and a general distribution is given by region of the world followed by country. Notes are provided for species with convoluted histories.

## Catalog

### ***Trichodesma* LeConte 1861: 204–205.**

Type species: *Anobium gibbosum* Say 1825: 171; designated by LeConte 1861: 205.

*Microtrichodesma* Pic 1931: 2 (as a subgenus); type species: *Trichodesma minima* Pic 1931: 2, by monotypy.

*Ptinodes* LeConte 1861: 204; type species: *Anobium setiferum* LeConte 1858: 73; designated by LeConte 1861: 205; synonymy by White 1974: 460.

*Ptinodes* Stephens 1829: 28; use of *Ptinodes* in Trichoptera is not valid (White 1982).

*Trichedesma* Borror and DeLong 1954: 305, misspelling of *Trichodesma*.

### ***Trichodesma albina* Gorham 1883: 199.**

*Trichodesma albida* (incorrect subsequent spelling in Pic 1912: 30; Blackwelder 1945: 402).

**Type** (sex unknown): NHMUK.

**Type locality:** Guatemala: San Gerónimo.

**Distribution—North America:** Guatemala: San Gerónimo.

***Trichodesma albistolata* Gorham 1883: 200.**

Type (sex unknown): NHMUK.

Type locality: Guatemala: Chacoj. (Mexico is written below the type in the NHMUK).

Distribution—North America: Guatemala: Panimá, Chacoj.

***Trichodesma amasonica* Pic 1915: 3.**

Type (sex unknown): MNHN?

Type locality: “Amérique Méridionale: Amazones”.

Distribution—South America: “Amazones”.

***Trichodesma amberica* Zahradník and Háva 2017: 91. (fossil)**

Type (sex unknown): GPIH.

***Trichodesma armata* Champion 1913: 139.**

Type (male?): BMHN.

Type locality: Guatemala: Cerro Zunil, Pacific slope.

Distribution—North America: Guatemala: Cerro Zunil, Pacific slope.

***Trichodesma bahiensis* Pic 1902: 409. (named in key)**

*Trichodesma bahiensis obliterata* Pic 1902: 409. (Described in key as “v.”, currently a subspecies).

Type (sex unknown): MNHN?

Type locality: “Brésil: S.-Antonio de Barra”.

Distribution—South America: Brazil.

***Trichodesma beyeri* Fall 1905: 174.**

Type (sex unknown): MCZ (series of specimens).

Type locality: Santa Rosa, Lower California (Baja California Sur).

Distribution—North America: Mexico: Baja California Sur.

***Trichodesma cambodgensis* Pic 1915: 3.**

Type (sex unknown): MNHN?

Type locality: “Cambodge” (Cambodia).

Distribution—Asia: Cambodia.

***Trichodesma clermonti* Español 1984: 64.**

Type (male): MZBS.

Type locality: Brazil: Pará: Alrededores de Belem.

Distribution—South America: Brazil.

***Trichodesma convexa* Champion 1914: 669.**

Type (female): NHMUK?

Type locality: Mexico: Acapulco.

Distribution—North America: Mexico: Acapulco.

***Trichodesma cristata* (Casey 1890: 323); combination by Horn 1894: 387.**

*Ptinodes cristatus* Casey 1890: 323, original combination.

Type: USNM (series of specimens).

Type locality: California: Santa Cruz Co.

Distribution—North America: United States: Western United States; Canada: British Columbia.

***Trichodesma denticollis* Blair 1928: 675.**

**Type** (sex unknown): Unspecified.

**Type locality:** Ecuador: Galapagos Islands: Charles Island.

**Distribution—South America:** Ecuador: Galapagos Islands: Charles Island, Indefatigable Island.

***Trichodesma dentitibia* Español 1966: 218.**

**Type** (male): RMCA.

**Paratype:** MCNB?; MZB.

**Type locality:** Ivory Coast: Adiopodoumé.

**Distribution—Africa:** Angola, Democratic Republic of the Congo, Ivory Coast.

***Trichodesma discigera* Champion 1914: 668.**

**Type** (female?): NHMUK?

**Type locality:** Mexico: Acapulco.

**Distribution—North America:** Mexico: Acapulco.

***Trichodesma donckieri* Pic 1902: 408.** (Described in key as “var. du precedent” compared to *Trichodesma gounellei* Pic).

**Type** (sex unknown): MNHN?

**Type locality:** Brazil?

**Distribution—South America:** Brazil.

***Trichodesma electra* Zahradník and Háva 2017: 90.** (fossil)

**Type** (sex unknown): GPIH.

***Trichodesma endroedyyoungai* Viñolas and Masó 2007b: 54.**

**Type** (male): DNMNH.

**Paratype:** AVPC; MCNB?; MZB.

**Type locality:** South Africa: KwaZulu Natal: Ndumu.

**Distribution—Africa:** South Africa.

***Trichodesma fasciculare* (Reitter 1877: 378);** combination by Lewis 1879: 18 (as *Trichodesma fasciculata* Kiesenwetter).

*Nicobium fasciculare* Reitter 1877: 378, original combination.

*Trichodesma fasciculata* Kiesenwetter (Misspelling and misattributed author: Lewis 1879: 18; Schönfeldt 1887: 127. Reitter (1902: 5) addresses this).

**Type** (sex unknown): HNHM?

**Type locality:** Japan.

**Distribution—Asia:** Japan.

***Trichodesma fasciculata* Pic 1902: 409.** (named in key)

**Type** (sex unknown): MNHN?

**Type locality:** Brazil: Val de Rio Pardo.

**Distribution—South America:** Brazil.

***Trichodesma fennosarmatica* Bukejs, Háva, and Alekseev (Bukejs et al. 2018: 2).** (fossil)

**Type** (sex unknown): CCHH (to be placed in the Senckenberg Deutsches Entomologisches Institut under the number SDEI Coleoptera #301525).

***Trichodesma fuliginosa* White 1981: 475.**

**Type** (male): USNM.

**Type locality:** Texas: near Alamo, Santa Ana National Wildlife Refuge.

**Distribution—North America:** United States: Texas.

***Trichodesma gibbosa* (Say 1825: 171); combination by LeConte 1861: 205.**

*Anobium gibbosum* Say 1825: 171, original combination.

**Type** (sex unknown): Possibly lost (Mawdsley 1993).

**Type locality:** United States.

**Distribution—North America:** United States: Eastern United States; Canada: Quebec, Ontario.

***Trichodesma gorhami* Pic 1901b: 93.** (species based on Gorham's 1883 drawing, specimen subsequently renamed by Pic).

*Trichodesma imperator* Laporte de Castelnau 1838: 58, *fide* Gorham 1883.

**Type** (sex unknown): MNHN (syntype).

**Type locality:** Mexico: Almolonga in Puebla (Champion 1913: 135).

**Distribution—North America:** Mexico: Almolonga.

***Trichodesma gounellei* Pic 1901b: 94.**

**Type** (sex unknown): MNHN?

**Type locality:** "Brésil: S.-Antonio de Barra".

**Distribution—South America:** Brazil: St-Antonio de Barra.

***Trichodesma goyasensis* Pic 1900: 57.**

*Trichodesma goyavensis* (Incorrect original spelling (ICZN 32.5.1); Pic intended to name this species after "Goyas, Brésil" and uses the correct spelling in subsequent publications: Pic 1902: 408; Pic 1912: 31).

**Type** (sex unknown): MNHN?

**Type locality:** "Brésil: Goyas" (Goiás).

**Distribution—South America:** Brazil: Goiás.

***Trichodesma grisacea* Zayas 1988: 71.**

**Type** (sex unknown): FZMC.

**Type locality:** Cuba: Camagüey Province: Santa Lucia Beach.

**Distribution—North America:** Cuba.

***Trichodesma griseofasciata* Pic 1937a: 53.**

**Type** (sex unknown): MNHN?

**Type locality:** Malaysia: Sarawak (Borneo Island): Mt. Dulit.

**Distribution—Asia:** Borneo Island: Sarawak.

***Trichodesma groehni* Zahradník and Háva 2017: 90.** (fossil)

**Type** (sex unknown): GPIH.

***Trichodesma imperator* (Laporte de Castelnau 1838: 58);** combination by Gorham 1883: 199. Nagel and Schmidlin (2014) address the year of publication.

*Anobium imperator* Laporte de Castelnau 1838: 58, original combination.

*Hedobia imperator* (Laporte de Castelnau); combination by Gorham 1883: 199.

**Type** (sex unknown): Possibly lost (Evenhuis 2012).

**Type locality:** “Mexique”.

**Distribution—North America:** Mexico.

***Trichodesma innotata* Pic 1943: 8.**

**Type** (sex unknown): MNHN?

**Type locality:** “Birmanie” (Myanmar / Burma).

**Distribution—Asia:** Myanmar / Burma.

***Trichodesma japonica* Pic 1906: 2.**

**Type** (sex unknown): MNHN?

**Type locality:** Japan: Kioto (Kyoto).

**Distribution—Asia:** Japan.

***Trichodesma juragua* Zayas 1988: 72.**

**Type** (sex unknown): FZMC.

**Type locality:** Cuba: Oriente Province: Juragua near Santiago de Cuba.

**Distribution—North America:** Cuba.

***Trichodesma kirishimana* Nakane 1979[1978]: 133.**

**Type** (female): Unspecified.

**Type locality:** Japan: Kyushu: Kirishima.

**Distribution—Asia:** Japan: Kyushu: Kirishima; Tsushima Island.

***Trichodesma klagesi* Fall 1905: 173.**

**Type** (sex unknown): USNM, MCZ (series of specimens).

**Type locality:** United States: District of Columbia, Kentucky, Pennsylvania, Virginia.

**Distribution—North America:** United States: Eastern United States; Canada: Ontario.

**Note:** *Trichodesma klagesi* Rothschild 1912: 157, is a species of moth originally described with the same genus and species name. Homonymy between these two species is disregarded according to ICZN (1999: 57.8.1), and no replacement name is necessary.

***Trichodesma kurosawai* Sakai 1986: 211.**

**Type** (female): EUMJ.

**Type locality:** Taiwan: Tapan.

**Distribution—Asia:** Taiwan.

***Trichodesma lateritia* Pic 1903a: 106** [actually 116, pages incorrectly numbered in publication]

**Type** (sex unknown): MNHN (according to Vinolas 2018: 151), holotype and paratype.

**Type locality:** “Afrique: Oyo-Yoruba, region du Niger”.

**Distribution—Africa:** Botswana, Democratic Republic of the Congo, Ethiopia, Guinea-Bissau, Equatorial Guinea, Kenya, Niger, Senegal, Sudan, Zambia.

***Trichodesma latissima* Pic 1902: 409.** (named in key)

Type (sex unknown): MNHN?

Type locality: “Brésil”

Distribution—South America: Brazil.

***Trichodesma lewisii* Kiesenwetter 1879: 315.**

Type (sex unknown): Unspecified.

Type locality: Japan?

Distribution—Asia: Japan?

***Trichodesma lisae* Viñolas 2018: 151.**

Type (male): AVPC.

Paratype: AVPC; MFPC.

Type locality: Zambia (Southern): 9 km SE Sefula.

Distribution—Africa: Zambia.

***Trichodesma maculata* Pic 1915: 3.**

Type (sex unknown): MNHN?

Type locality: “? Cambodge” (Cambodia).

Distribution—Asia: “? Cambodge” (Cambodia).

***Trichodesma mexicana* Pic 1901b: 93.**

Type (sex unknown): MNHN (syntype).

Type locality: Mexico: Sierra de Durango

Distribution—North America: Mexico: Sierra de Durango; Almolonga in Puebla.

***Trichodesma michioi* Sakai 2005: 42.**

Type (male): EUMJ.

Type locality: Japan: Ryukyus: Okinawa-hontô.

Distribution—Asia: Japan: Ryukyus: Okinawa-hontô.

***Trichodesma minima* Pic 1931: 2.**

*Trichodesma* (*Microtrichodesma*) *minima* Pic 1931: 2.

Type (sex unknown): MNHN?

Type locality: Tonkin: Hoa-Binh (Vietnam: Hòa Bình).

Distribution—Asia: Vietnam.

***Trichodesma multifasciculata* Pic 1956: 77.**

Type (sex unknown): MNHN?

Type locality: Singapore.

Distribution—Asia: Singapore.

***Trichodesma multinotata* Pic 1943: 8.**

Type (sex unknown): MNHN?

Type locality: “Indes Mér.”

Distribution—Asia: India.

***Trichodesma munyozi* Viñolas 2018: 154.**

Type (male): AVPC.

Type locality: Sierra Leone: Eastern Province: Kenema District: Gola Rainforest National Park.

Distribution—Africa: Sierra Leone.

***Trichodesma nigrofasciata* Español 1966: 220.**

Type (male): RMCA.

Paratype: MCNB?; MZB.

Type locality: Congo (Democratic Republic of the Congo): Élisabethville (Lubumbashi).

Distribution—Africa: Democratic Republic of the Congo, Zambia.

***Trichodesma nigromaculata* Pic 1900: 57.**

Type (sex unknown): MNHN?

Type locality: “Birmanie” (Myanmar / Burma).

Distribution—Asia: Myanmar / Burma.

***Trichodesma notatipennis* Pic 1902: 409. (named in key)**

Type (sex unknown): MNHN?

Type locality: Brazil: Pernambuco Province: Sierra de Communaty.

Distribution—South America: Brazil.

***Trichodesma oakleyi* Fisher 1936. (In Wolcott 1936: 238)**

Type (sex unknown): USNM.

Type locality: Puerto Rico: Díaz Finca, Aibonito.

Distribution—North America: Puerto Rico: Díaz Finca, Aibonito.

***Trichodesma orientalis* Zayas 1988: 70.**

Type (sex unknown): FZMC.

Type locality: Cuba: “Florida Blanca”, “Oriente Province”, “south of Camagüey Province”. One of ten marked as type in his collection, which locality is unknown.

Distribution—North America: Cuba.

***Trichodesma pictipennis* Champion 1913: 135.**

Type (male?): NHMUK.

Type locality: Guatemala: San Gerónimo in Baja Vera Paz.

Distribution—North America: Guatemala: San Gerónimo in Baja Vera Paz.

***Trichodesma plumbea* Gorham 1883: 201.**

Type (sex unknown): NHMUK.

Type locality: Guatemala: Panimá. (Mexico is written below the type in the NHMUK).

Distribution—North America: Guatemala: Panimá.

***Trichodesma pratti* Fisher 1919: 184.**

Type (sex unknown): USNM (series of specimens).

Type locality: Texas: Kerrville.

Distribution—North America: United States: Texas.

***Trichodesma pulchella* Schaeffer 1903: 264.**

**Type** (sex unknown): MCZ, USNM (series of specimens).

**Type locality:** Texas: near Brownsville, Esperanza Ranch.

**Distribution—North America:** United States: Texas.

***Trichodesma pulchra* Pic 1903b: 119** [actually 129, pages incorrectly numbered in publication].

**Type** (sex unknown): MNHN?

**Type locality:** India: Sikkim: Darjeeling.

**Distribution—Asia:** India.

***Trichodesma regalis* Pic 1900: 57.**

*Trichodesma regale* Pic 1900: 57.

**Type** (sex unknown): MNHN? [Sakai (1983) states the type specimen is preserved in the British Museum Nat. Hist. (BMNH) - (NHMUK)].

**Type locality:** “Indes-Orientales” / “Ostindien” (East Indies).

**Distribution—Asia:** “East Indies”. India, Nepal (Sakai 1983).

***Trichodesma robustior* Pic 1902: 409.** (Described in key as “var. du precedent” compared to *Trichodesma notatipennis* Pic. Pic (1907) treats the name as a species).

**Type** (sex unknown): MNHN?

**Type locality:** Brazil: Pernambuco Province: Sierra de Communitaty.

**Distribution—South America:** Brazil, Paraguay.

***Trichodesma scripta* Champion 1913: 136.**

**Type** (female?): NHMUK.

**Type locality:** Mexico: Atoyac in Vera Cruz.

**Distribution—North America:** Mexico: Atoyac in Vera Cruz.

***Trichodesma sellata* Horn 1894: 386.**

**Type** (sex unknown): CAS.

**Type locality:** Mexico: Baja California Sur: El Taste.

**Distribution—North America:** Mexico: Baja California Sur; United States: California.

***Trichodesma semialbida* Pic 1901a: 26.**

**Type** (sex unknown): MNHN?

**Type locality:** “Brésil: S.-Antonio de Barra”.

**Distribution—South America:** Brazil.

***Trichodesma setifer* (LeConte 1858: 73);** combination by White 1974: 459.

*Anobium setiferum* LeConte 1858: 73, original combination.

*Ptinodes setiferum* (LeConte) in LeConte 1858: 73; combination by LeConte 1861: 205.

**Type** (sex unknown): MCZ.

**Type locality:** California: San Diego.

**Distribution—North America:** United States: California.

***Trichodesma soleri* Viñolas 2018: 155.**

**Type** (male): AVPC.

**Type locality:** Zambia (Western): 7 km W Masese.

**Distribution—Africa:** Zambia.

***Trichodesma sordida* Horn 1894: 387.**

Type (sex unknown): MCZ.

Type locality: Texas.

Distribution—North America: United States: Texas.

***Trichodesma sublineata* Champion 1914: 667.**

Type (female?): NHMUK?

Type locality: Mexico: Acapulco.

Distribution—North America: Mexico: Acapulco.

***Trichodesma teresa* Zayas 1988: 73.**

Type (sex unknown): FZMC.

Type locality: Cuba: Oriente Province: Tortuguilla.

Distribution—North America: Cuba.

***Trichodesma texana* Schaeffer 1903: 263.**

Type (sex unknown): USNM.

Type locality: Texas: near Brownsville, Esperanza Ranch.

Distribution—North America: United States: Texas; Mexico: Matamoros.

***Trichodesma theresae* Pic 1944: 5.**

Type (sex unknown): MNHN.

Type locality: Costa Rica.

Distribution—North America: Costa Rica.

***Trichodesma timorensis* Zahradník 2020: 588.**

Type (sex unknown): PZPC.

Type locality: Indonesia: Lesser Bunch: West Timor.

Distribution—Asia: Indonesia: Lesser Bunch, West Timor.

***Trichodesma tricolor* Zahradník 2018: 143.**

Type (sex unknown): PZPC.

Type locality: N Thailand, Chiang Dao Hill Resort.

Distribution—Asia: Thailand: Chiang Dao Hill Resort.

***Trichodesma tricristata* Champion 1913: 133.**

Type (male?): NHMUK.

Type locality: Mexico: Orizaba.

Distribution—North America: Mexico: Orizaba.

***Trichodesma truncata* Champion 1913: 138.**

Type (male?): NHMUK.

Type locality: Guatemala: Dueñas.

Distribution—North America: Guatemala: Dueñas.

***Trichodesma uruma* Sakai 1985: 27.**

Type (male): EUMJ.

Type locality: Japan: Ryukyus: Ishigaki Island: Mt. Omoto-dake.

Distribution—Asia: Japan: Ryukyus: Ishigaki Island: Mt. Omoto-dake.

***Trichodesma venusta* Lesne 1902: 477.**

**Type** (sex unknown): MNHN.  
**Type locality:** Ceylan (Sri Lanka): Nalanda.  
**Distribution—Asia:** Sri Lanka.

***Trichodesma verdugoi* Viñolas 2022: 32.**

**Type** (male): AVPC.  
**Type locality:** Somalia: Giuba.  
**Distribution—Africa:** Somalia.

***Trichodesma w-album* Gorham 1883: 200.** (Hyphen is retained according to ICZN 32.5.2.4.3)

**Type** (sex unknown): NHMUK.  
**Type locality:** Guatemala: Sinanja Valley.  
**Distribution—North America:** Guatemala: Sinanja Valley; Mexico: Atoyac.

**Related genera and species moved from *Trichodesma*:*****Anobiopsis* Fall 1905: 177.**

Type species: *Anobiopsis sericans* Fall 1905: 178, by monotypy.

***Anobiopsis sericans* Fall 1905: 178.**

**Type** (male): MCZ.  
**Type locality:** California: Pomona.  
**Distribution—North America:** United States: California.

***Belemia* Español 1984: 61, as a subgenus of *Trichobiopsis*.**

Type species: *Belemia paraensis* (Español, 1984): 61.

***Belemia paraensis* (Español 1984: 61); combination by Español and Blas 1991: 137.**

*Trichobiopsis* (*Belemia*) *paraensis* Español 1984: 61, original combination.

**Type** (male): MZBS.  
**Type locality:** Brasil: Pará: Alrededores de Belem.  
**Distribution—South America:** Brazil.

***Nanodesma* Zahradník 2019: 510.**

Type species: *Nanodesma knizeki* Zahradník 2019: 511, designated by Zahradník 2019: 510.

***Nanodesma cechovskyi* Zahradník 2021a: 201.**

**Type** (male): PZPC.  
**Type locality:** Malaysia W, Kelantan, 90 km N of Gua Musang, Gunung Basor.  
**Distribution—Southeast Asia:** Malaysia.

***Nanodesma chinensis* Zahradník 2021b: 172.**

**Type** (female): PZPC.  
**Type locality:** China, Guizhou NE, 20 km NW of Jiangkou, Fanjing Shan-Kusichang.  
**Distribution—Southeast Asia:** China.

***Nanodesma dubia* Zahradník 2021a: 207.**

Type (female): PZPC.

Type locality: Malaysia, Pahang, Tanah Rata, Gn. Jasa.

Distribution—Southeast Asia: Malaysia.

***Nanodesma fasciata* Zahradník 2019: 513.**

Type (male): PZPC.

Type locality: Indonesia, Sumatra S, Lampung prov., Bukit Barisan Selatan.

Distribution—Southeast Asia: Indonesia, Malaysia, Thailand.

***Nanodesma haucki* Zahradník 2019: 514.**

Type (male): PZPC.

Type locality: Thailand N, Nan prov., Doi Phu Kha NP, Headq.

Distribution—Southeast Asia: Thailand.

***Nanodesma knizeki* Zahradník 2019: 511.**

Type (male): PZPC.

Type locality: Thailand E, Chanthaburi distr., Khao Soi Dao.

Distribution—Southeast Asia: Thailand.

***Nanodesma laosensis* Zahradník 2019: 512.**

Type (male): PZPC.

Type locality: Laos, Hua Phan pr., Ban Kangpabong env., Vieng Xai.

Distribution—Southeast Asia: Laos.

***Nanodesma luteopubens* Zahradník 2019: 517.**

Type (female): PZPC.

Type locality: Malaysia, Pahang, Kuala Rompin env., Endau R. NP.

Distribution—Southeast Asia: Malaysia.

***Nanodesma nigromaculata* Zahradník 2019: 519.**

Type (male): PZPC.

Type locality: Malaysia, Pahang, Kuala Rompin env., Endau R. NP.

Distribution—Southeast Asia: Malaysia.

***Nanodesma pseudofasciata* Zahradník 2021a: 203.**

Type (male): PZPC.

Type locality: Malaysia W, Kelantan, Kg. Tunku, Mt. Noring Timur, 150 km S of Jeli.

Distribution—Southeast Asia: Malaysia.

***Nanodesma splendida* Zahradník 2021a: 205.**

Type (female): PZPC.

Type locality: Indonesia, Sumatra, Utara, Brastagi, Gn. Sinabung.

Distribution—Southeast Asia: Indonesia.

***Nicobium* LeConte 1861: 205.**

Type species: *Anobium hirtum* Illiger 1807: 19, by monotypy (LeConte 1861: 205 gives “*A. sericeum* Mels.” as the type but fixes this in LeConte 1865: 231).

*Neobium* Mulsant and Rey 1864: 67 (as a subgenus of *Anobium*); synonymy by LeConte 1865: 231.

***Nicobium auroguttatum* Reitter 1908: 21.**

**Type** (sex unknown): HNHM?

**Type locality:** Syria: Damascus.

**Distribution—Asia:** Syria.

***Nicobium castaneum* (Olivier 1790: 7); combination by Corrêa de Barros 1907: 136.**

*Anobium castaneum* Olivier 1790: 7, original combination.

**Type** (sex unknown): Unspecified.

**Type locality:** France.

**Distribution—Worldwide**

**Note:** There is some ambiguity as to whether records refer to this species or *A. hirtum*, and if the species are distinguishable. Historical synonyms (*N. fasciatum*, *N. tomentosum*) could refer to either species.

***Nicobium gorbатовskyi* Toskina 2014: 36.**

**Type** (female): ZMUM.

**Type locality:** Uzbekistan: Bukhara region: Samarkand. env.

**Distribution—Asia:** Turkmenistan, Uzbekistan.

***Nicobium hirtum* (Illiger 1807: 19); combination by LeConte (1861: 205; 1865: 231); synonymized under *N. castaneum* by various authors, considered a valid species by Cymorek (1975), Bercedo and Arnáiz (2007), and Toskina (2014).**

*Anobium hirtum* Illiger 1807: 19, original combination.

*Anobium* (*Neobium*) *hirtum* Illiger; combination by Mulsant and Rey 1864: 106.

**Type** (sex unknown): Unspecified.

**Type locality:** Italy.

**Distribution—Worldwide?**

**Note:** There is some ambiguity as to whether records refer to this species or *A. castaneum*, and if the species are distinguishable. Historical synonyms of the following names could refer to either species.

*Anobium fasciatum* Dufour 1843: 47; synonymy by Reitter in Heyden et al. (1883: 122) unpaginated, species # 31.

**Type** (sex unknown): Unspecified.

**Type locality:** Unknown.

*Anobium tomentosum* Mulsant and Rey 1863: 81, original combination; Kiesenwetter (1877: 112) compares this species to *A. hirtum* and suggest it may just be a variation of it; Reitter in Heyden et al. (1883: 122) treat *A. tomentosum* as a variety of *A. hirtum*.

*Anobium* (*Neobium*) *tomentosum* Mulsant and Rey 1863; combination by Mulsant and Rey 1864: 110.

**Type** (sex unknown): Unspecified.

**Type locality:** France: Lyon.

***Nicobium schneideri* Reitter 1878. (In Schneider and Leder 1878: 218).**

*Anobium* (*Nicobium*) *schneideri* (Reitter); combination by Schilsky 1898: unpaginated, species # 30.

**Type** (sex unknown): HNHM?

**Type locality:** Azerbaijan?

**Distribution—Africa, Asia, Europe—Mediterranean Region.**

***Nicobium velatum* (Wollaston 1854: 276)**; combination by Español 1970: 51. Treated as a synonym of *A. villosum* by Español (1970) and as a full species by Viñolas and Oromí (2001).

*Anobium velatum* Wollaston 1854: 276, original combination.

**Type** (sex unknown): Unspecified.

**Type locality:** Spain: Madeira.

**Distribution—Africa:** Madeira Archipelago.

***Nicobium villosum* (Brullé 1839: 60)**; combination (as synonym of *N. hirtum*) by Stein (1868: 76); Español 1964b: 106.

*Anobium villosum* Brullé 1839: 60, original combination.

**Type** (sex unknown): Unspecified.

**Type locality:** Canary Islands (Español 1970: 51).

**Distribution—Africa:** Canary Islands, Morocco; **Europe:** Portugal, Spain; **South America:** Brazil.

*Nicobium villosum* var. *albofasciatum* Español 1964b: 107.

*Nicobium castaneum subparallelum* Saraiva 1957: 48; synonymy by Español 1964a: 290.

*Nicobium lineaticolle* Pic 1937b: 4; synonymy by Español 1970: 51.

**Type** (sex unknown): MNHN?

**Type locality:** Brazil.

*Nicobium albofasciatum* Bercedo and Arnáiz 2007: 139; synonymy by Viñolas and Masó (2013), Viñolas (2020a).

**Type** (male): MCNT.

**Type locality:** Spain: Tenerife.

***Nicobium zuzartei* Bercedo and Arnáiz 2007: 139.**

**Type** (male): BAPC.

**Type locality:** Portugal: Monforte.

**Distribution—Europe:** Portugal.

### Species moved from *Nicobium*

*Nicobium expensicolle* Pic 1928: 4; moved to *Allobregmus* by Español (1970: 56). (The spelling “*expensicolle*” appears in Pic’s original publication but it seems all subsequent authors have used the spelling “*expansicolle*” or “*expansicollis*”)

*Anobium spinolae* Solier 1849: 469, moved to *Nicobium* by Pic 1912: 32, moved to *Allobregmus* by Español 1970:56, moved to *Trichobiopsis* by White 1979: 216, and synonymized with *Allobregmus angulare* (Erichson, 1834) by Español 1978: 42.

### ***Trichobiopsis* White 1973: 846.**

Type species: *Trichobiopsis excavata* White 1973: 847, by monotypy. Type in the USNM.

**Note:** White (1973) describes *Trichobiopsis excavata* n. gen. n. sp. and compares the species to *T. dentatithorax*. They may be one in the same but the types were not located so he described the genus off of a well described species, even if it becomes a synonym the genus name should stand. Español (1976: 144) moves *T. dentatithorax* to *Trichobiopsis* but uses the name “*Trichobiopsis dentaticollis* (Pic)” instead of “*dentatithorax*”. Español and Blas (1991) give White (1973) as the original combiner of *Trichobiopsis* and *dentatithorax*, but Español (1976) is the first publication to use that combination (twice), albeit with the species name misspelled and only in figure captions. Español (1978) synonymizes *Anobium spinolae* Solier (moved to *Trichobiopsis* by White 1979: 216) with *Allobregmus angulare* (Erichson, 1834), and Español (1994) suggests that once the types are studied *Trichobiopsis* will become a synonym of *Allobregmus* Español, 1970.

***Trichobiopsis dentatithorax* (Pic 1901a: 27); combination by Español 1976: 144.**

*Trichodesma dentatithorax* Pic 1901a: 27, original combination.

**Type** (sex unknown): MNHN?

**Type locality:** “Brésil: Caraca.”

**Distribution—South America:** Brazil.

***Trichobiopsis excavata* White 1973: 847.**

**Type** (sex unknown): USNM.

**Type locality:** Brazil: Nova Teutonia.

**Distribution—South America:** Brazil.

***Trichodesmina* Español 1982: 66.** (Placed near *Trichodesma* in the generic description).

Type species: *Trichodesmina nana* Español 1982: 67, by monotypy.

***Trichodesmina bicolor* Viñolas and Masó 2007a: 15.**

**Type** (male): DNMNH.

**Type locality:** South Africa: Kruger National Park.

**Distribution—Africa:** South Africa.

***Trichodesmina nana* Español 1982: 67.**

**Type** (male): RMCA.

**Type locality:** Zaire (Democratic Republic of the Congo): Congo da Lemba, prov. Zaire central.

**Distribution—Africa:** Democratic Republic of the Congo, Rwanda, Zambia.

***Trichodesma* as a genus name in groups other than Coleoptera:**

**Disambiguation—Lepidoptera:** *Desmotricha* Hampson 1911: 396, replacement name for *Trichodesma* Schaus 1898: 140.

Hampson is typically given as the author for the genus *Trichodesma* in Lepidoptera, but Schaus (1898) appears to use the generic name first for *Trichodesma obliqua* Schaus, 1898, making him the author of the genus. Hampson (1898) references and cites Schaus' publication, making it clear Hampson published later even though he presents *Trichodesma* as a new genus. This would also make *Trichodesma obliqua* the type species of the genus by monotypy.

The following are species of Lepidoptera that were described in *Trichodesma* or were at one time treated as *Trichodesma*. The species are given with this generic combination and it is noted who made that combination or if it was originally described in *Trichodesma*. The current status and combination of each species is not given, the following is simply a list of species of Lepidoptera that may appear with this combination in older literature.

*Trichodesma albicincta* Hampson 1905: 430, original combination.

*Trichodesma aurimacula* Schaus 1905: 190, original combination.

*Trichodesma hoffmannsi* Rothschild 1912: 158, original combination.

*Trichodesma imitata* (Druce 1883: 382), combination by Hampson 1898: 452.

*Trichodesma klagesi* Rothschild 1912: 157, original combination.

*Trichodesma nitens* Rothschild 1912: 158, original combination.

*Trichodesma obliqua* Schaus 1898: 140, original combination.

*Trichodesma oceola* Dyar 1910: 230, original combination.

*Trichodesma parva* Rothschild 1912: 158, original combination.

*Trichodesma perplexa* Rothschild 1912: 158, original combination.

*Trichodesma similis* Rothschild 1912: 158, original combination.

*Trichodesma trita* Dognin 1911: 5, original combination.

*Trichodesma uniformis* Hampson 1898: 453, original combination.

*Trichodesma ursula* (Stoll 1781) (in Cramer 1781: 107), combination by Hampson 1898: 452.

**Disambiguation**—Plantae: Boraginales: Boraginaceae: *Trichodesma* R.Br.

This generic name is also used for a genus of plants containing about 45 species in the Boraginaceae (Retief and Van Wyk 2002).

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