

Genus *Apis* Linnaeus

[Family Apidae, Subfamily Apinae, Tribe Apini]

Apis Linnaeus, 1758: p.343, 574; Type species: *Apis mellifera* Linnaeus, 1761; = *A. mellifera* Linnaeus, 1758, by designation of Latreille, 1810: p.439.

Apicula Rafinesque, 1814: p.27, unjustified replacement for *Apis* Linnaeus, 1758; Type species: *Apis mellifera* Linnaeus, 1758, autobasic.

Apiarus Rafinesque, 1815: p.123, unjustified replacement for *Apis* Linnaeus, 1758; Type species: *Apis mellifera* Linnaeus, 1758, autobasic.

Apis (*Synapis*) Cockerell, 1907: Entomol. **40**: p.229; Type species: *Apis henshawi* Cockerell, 1907 (fossil), monobasic.

Hauffapis Armbruster, 1938: p.37; Type species: *Hauffapis scheuthlei* Armbruster, 1938 = *Apis armbrusteri* Zeuner, 1931 (fossil), by designation of Zeuner and Manning, 1976: p.243.[invalid genus name Michener, 1997: NHM, Sci. Paper 1].

Apis (*Sigmatapis*) Maa, 1953: p.556; Type species: *Apis cerana* Fabricius, 1793, by original designation.

Michener (2000) did not recognize any subgeneric classification for genus *Apis*. However, Engel (2002) made further revision and following account is based upon his prime work.

S. N.	Nombre de especie con autor y año.	Distribución o Sitio de Colección.
1.	<p><i>Apis</i> (<i>Megapis</i>) <i>dorsata dorsata</i> Fabricius –</p> <p>=<i>Apis dorsata</i> Fabricius, 1793 =<i>Apis nigripennis</i> Latreille, 1804 Syn. =<i>Apis bicolor</i> Klug, 1807 Homo. =<i>Apis testacea</i> Smith, 1858 Syn. =<i>Apis testacca</i> Smith, 1871 Lapsus =<i>Apis darsata</i> Baldensperger, 1928 Lapsus =<i>Apis dorsatao</i> Ruttner, 1988 Lapsus</p>	Throughout India and in the east up to Malaysia [and <i>breviligula</i> Maa from Philippines]
2.	<p><i>Apis</i> (<i>Megapis</i>) <i>dorsata binghami</i> Cockerell –</p> <p>=<i>Apis zonata</i> Smith, 1859 Homo. =<i>Apis dorsata binghami</i> Cockerell, 1906</p>	

	[<i>binghami</i> Cockerell, may be an allopatric segregate of <i>dorsata</i> and may not represent distinct species -Michener, 2000: p.807]	
3.	<i>Apis (Megapis) dorsata breviligula</i> [Maa, 1953 (<i>Megapis</i>)]	
4.	<i>Apis (Megapis) dorsata laboriosa</i> Smith – = <i>Apis laboriosa</i> Smith, 1871 = <i>Apis binghami sladeni</i> Cockerell, 1914 Syn. = <i>Apis himalayana</i> Maa, 1944 Nom. Nud. = <i>Apis labortiosa</i> Willis et al., 1992 Lapsus [different aspects: Sakagami, Matsumura & Ito, 1980; Roubik, Sakagami & Kudo, 1985; McEvoy & Undersood, 1988; Underwood, 1986, 1990; Batra, 1996]	All over Himalaya at average height of 3000-5000 meters (from Kashmir to H.P., Uttaranchal, Nepal, Sikkim, Bhutan, North in Assam, Arunachal Pradesh), southern China, adjacent Myanmar, Laos
5.	<i>Apis (Micrapis) florea</i> Fabricius – = <i>Apis florea</i> Fabricius, 1787 = <i>Apis semirufa</i> Hoffmannsegg, 1818 Syn. = <i>Apis lobata</i> Smith, 1854 Syn. = <i>Apis floralis</i> Horne & Smith, 1870 Lapsus = <i>Apis testacea</i> Bingham, 1898 Homo. = <i>Apis florea rufiventris</i> Friese, 1906 Syn. = <i>Apis florea florea fuscata</i> Enderlein, 1906 Unav. = <i>Apis nursei</i> Cockerell, 1911 Syn. = <i>Apis florea nasicana</i> Cockerell, 1911 Syn.	Throughout southern Asia (except high altitudes in Himalaya, Afghanistan, northern Pakistan, Bhutan) [see Otis (1997) for a complete distribution of]
6.	<i>Apis mellifera</i> Linnaeus, 1758	Africa, Europe, Asia, introduced into all parts of the World
7.	<i>Apis (Apis) cerana cerana</i> Fabricius – = <i>Apis cerana</i> Fabricius, 1793 = <i>Apis sinensis</i> Smith, 1865 Syn. = <i>Apis indica sinensis ussuriensis</i> Goetze, 1964 Unav. = <i>Apis cerana</i> Willis et al., 1992 Lapsus	All over India, Burma, south central Russia, southern half of China, Indonesia, Ceylon, Pakistan, Nepal etc.
	<i>Apis (Apis) cerana indica</i> Fabricius – = <i>Apis indica</i> Fabricius, 1798 = <i>Apis socialis</i> Latreille, 1804 Syn.	All over India, Burma

	<p>=<i>Apis peroni</i> Latreille, 1804 Syn.? =<i>Apis gronovii</i> Guillou, 1841 Syn.? =<i>Apis perrottetii</i> Guérin-Méneville, 1844 Syn. =<i>Apis delessertii</i> Guérin-Méneville, 1844 Syn. =<i>Apis delesserti</i> Buttel-Reepen, 1906 Emend. =<i>Apis indrea</i> Baldensperger, 1928 Lapsus =<i>Apis indica philippina</i> Skorikov, 1929 Syn. =<i>Apis mellifera gandhiana</i> Muttoo, 1951 Nom. Nud. =<i>Apis (Sigmatapis) samarensis</i> Maa, 1953 Syn.</p>	
	<i>Apis (Apis) cerana heimifeng</i> Engel, 1999	
	<i>Apis (Apis) cerana japonica</i> Radoszkowski, 1887	Japan
	<i>Apis (Apis) cerana javana</i> Enderlein, 1906	South-east Asia, Indonesia
	<i>Apis (Apis) cerana johni</i> Skorikov – = <i>Apis johni</i> Skorikov, 1929 = <i>Apis (Sigmatapis) lieftincki</i> Maa, 1953 Syn.	
	<i>Apis (Apis) cerana skorikovi</i> Engel – = <i>Apis indica skorikovi</i> Maa, 1944 Nom. Nud. = <i>Apis cerana himalaya</i> Smith, 1991 Nom. Nud. = <i>Apis cerana skorikovi</i> Engel, 1999	
	<i>Apis (Apis) cerana nuluensis</i> Tingek, Koeniger & Koeniger, 1996	Malaysia
8.	<i>Apis (Apis) koschevnikovi</i> Enderlein – = <i>Apis mellifica indica koschevnikovi</i> Buttel-Reepen 1906 Unav. = <i>Apis indica koschevnikovi</i> Enderlein 1906 = <i>Apis (Sigmatapis) vechti</i> Maa 1953 Syn. = <i>Apis (Sigmatapis) vechti linda</i> Maa 1953 Syn. = <i>Apis mellifica adansonii koschevnikowi</i> Goetze 1964 Emend.	Indonesia, Sumatra, Java, Borneo, Sarawak
9.	<i>Apis (Micrapis) andreniformis</i> Smith – = <i>Apis andreniformis</i> Smith 1858 = <i>Apis florea andreniformis sumatrana</i> Enderlein 1906 Unav. [Sympatric with <i>florea</i> in southern China and parts of southeast Asia (Wu & Kuang, 1986, 1987)	Sikkim, Meghalaya, (not reported in Myanmar), Malaya peninsula, Sarawak, Borneo, Sumatra, Java

10.	<p><i>Apis (Apis) nigrocincta</i> Smith -</p> <p>=<i>Apis nigrocincta</i> Smith, 1861 =<i>Apis mellifica indica picea</i> Buttel-Reepen, 1906 Unav. =<i>Apis (Sigmatapis) nigrocincta marginella</i> Maa, 1953 Syn.</p>	Sulawesi, Mindanao, Borneo
-----	--	----------------------------------

Approximately 1,200 species of angiospermic plants are known visited by different *Apis* species all over the World. There is no segregated list as such available of the plant species those are being visited by the species of our specified area. Besides, around 1,25,000 references of the articles and/ research papers are known dealing with different aspects of Apiculture/and Bee keeping around the World.

Go to Subfamily Apinae

Political territories have been mentioned as such (as mentioned by original authors): **Burma** [Present day Myanmar], **Ceylon** [Present day Sri Lanka], **Bengal** [Present day East Bengal in India and the present day Bangla Desh], **Punjab** [western part of the state is the present day Punjab in Pakistan].

Dr. Douglas Yanega
 Department of Entomology
 Entomology Research Museum
 University of California
 Riverside, Riverside, CA 92521
 Phone: 909-787-4315
 E-mail: dyanega@ucr.edu

AND

Dr. Rajiv K. Gupta
 Department of Zoology
 Jai Narain Vyas University
 Jodhpur 342 005, India
 Ph. +91-291-272 6666
 E-mail: beesind@sancharnet.in