

# COLLETIDAE

	Taxon Distribution Distribution of the records in Italian regions References	Altitude (Italy) I = 0-800 II = 800- 1600 III = 1600- 2100 IV = > 2100	Risk of extinction	No. of sites	Comba Collection (place, region)	Cleptoparasitism Floral preferences Number of annual generations
<b>Gen. Hylaeus Fabricius, 1793</b>						
<b>Subgen. Abrupta Popov, 1939</b>						
1	<b>Hylaeus cornutus</b> Curtis, 1831 <b>Sp. turanico-europeo-anatolico-maghrebina</b> Pi, Em, La, Cp, Cal, Pu, Si, Sa References: 7, 19, 68, 96, 152, 205, 208, 363, 401, 575, C8, C9, CK03	I	Low	19	Angrogna (Pi), LusernaS.Giovanni (Pi), Albano Laziale (La).	? Polylectic  Univoltine / Bivoltine
<b>Subgen. Dentigera Popov, 1939</b>						
2	<b>Hylaeus brachycephalus</b> (Morawitz, 1868) <b>Sp. caucasico-europea</b> Pi, Li, FVG References: 96, 201, 363, 575, CK03	I	Low	4	San Benedetto Belbo (Pi).	? Univoltine
	<i>Hylaeus brachycephalus brachycephalus</i> (Morawitz, 1868) <b>Ssp. centro-sud europea</b> Pi, Li, FVG	I			<i>San Benedetto Belbo (Pi).</i>	
3	<b>Hylaeus brevicornis</b> Nylander, 1852 <b>Sp. turanico-europeo-maghrebina</b> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa References: 7, 19, 63, 67, 68, 152, 192, 201, 203, 204, 205, 206, 208, 227, 247, 293, 363, 370, 401, 508, 575, C7, CK03, S53, S16a	I, II	Slightest	67	Entrèves (Ao), Angrogna (Pi), Villar Pellice (Pi), Luserna San Giovanni (Pi), Garlanda (Li), Prima Porta (La), Ariccia (La), Varri, Val di (La).	Polylectic  Bivoltine/ Trivoltine
	<i>Hylaeus brevicornis brevicornis</i> Nylander, 1852 <b>Ssp. turanico-europeo-maghrebina</b> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si References: 67, 68, 152, 192, 203, 204, 205, 206, 208, 227, 247, 293, 370, 401, 508	I, II			<i>Entrèves (Ao), Angrogna (Pi), Villar Pellice (Pi), Luserna San Giovanni (Pi), Garlanda (Li), Prima Porta (La), Ariccia (La), Varri, Val di (La).</i>	
	<i>Hylaeus brevicornis sardous</i> Alfken, 1934 <b>Ssp. tirrenica</b> Si, Sa (see table endemic species/subspecies) References: 7, 152, 363, 575	I, II			---	
4	<b>Hylaeus conformis</b> Foerster, 1871 <b>Sp. sud-ovest-europeo-nord-africana</b> Si References: 397, CK03	Not assessed	Not assessed	1	---	? Monoleptic  Univoltine
5	<b>Hylaeus glacialis</b> Morawitz, 1872 <b>Sp. sud-europeo-anatolica</b> Pi, VT References: 19, 95, 144, 457 CK03	II, III	Moderate	4	---	
6	<b>Hylaeus gredleri</b> Förster, 1871 <b>Sp. turanico-europeo-anatolico-maghrebina</b> Ao, Pi, V, VT, FVG, To, Cp, Si References: 19, 68, 152, 247, 363, 369, 457, CK03, S53, CK09	I, II	Low	13	San Pietro Val Lemina (Pi).	? Polylectic  Univoltine
7	<b>Hylaeus imparilis</b> Förster, 1871 <b>Sp. turanico-europeo-anatolico-maghrebina</b>	I, II	Slightest	46	Albano Laziale (La), Ariccia (La), Alberobello (Pu).	Polylectic

	Ao, Pi, Li, V, FVG, Em, To, Ma, Um, La, Abr, Cp, Cal, Pu, Si, Sa References: 7, 19, 67, 68, 152, 193, 206, 208, 300, 363, 365, 369, 416, 575, CK03, CK09						Bivoltine
8	<b>Hylaeus intermedius Förster, 1871</b> <b>Sp. centro-sud-est-europeo-anatolica</b> La References: CK03	I	Not assessed	2		Roma (La), San Felice Circeo (La).	
9	<b>Hylaeus kahri Förster, 1871</b> <b>Sp. turanico-europeo-anatolico-maghrebina</b> Pi, VT, FVG References: 19, 68, 201, 247, 416, 457, CK03, S53	I, II, III	Low	16		Villastellone (Pi).	Polylectic Bivoltine
10	<b>Hylaeus niveofasciatus (Dours, 1872)</b> Change of rank from <i>Hylaeus imparilis niveofasciatus</i> (Dours, 1872) (SYN di <i>H. conformis</i> Foerster 1871 in Kuhlmann) <b>Sp. ovest-mediterranea</b> Si References: 363, 575, CK03	I	Moderate	4		—	
11	<b>Hylaeus pilosulus (Pérez, 1903)</b> <b>Sp. centro-sud-ovest-europeo-maghrebina</b> Mainland Italy; Si, Sa References: 397, CK03	Not assessed	Not assessed	3		—	
12	<b>Hylaeus rubicolus Saunders, 1850</b> <b>Sp. centro-sud-europeo-anatolico-mediterranea</b> Cp, Cal References: 152, 575, CK03	I	Moderate	2		—	
<b>Subgen. Hylaeus Fabricius, 1793</b>							
13	<b>Hylaeus adriaticus (Warncke, 1972)</b> <b>Sp. italico-ovest-balkanica</b> FVG References: 19, 575, CK03, CK12	I	Critic Last record: 1934	2		—	
14	<b>Hylaeus angustatus (Schenck, 1859)</b> <b>Sp. centroasiatico-europeo-anatolico-maghrebina</b> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Mo, Cp, Cal, Pu, Si References: 19, 63, 67, 68, 152, 180, 189, 201, 202, 205, 206, 247, 363, 370, 401, 416, 457, 575, 634, C7, CK03, S53, S16a, CK09, L1	I, II, III	Slightest	44		Luserna San Giovanni (Pi), Roma (La), Prima Porta (La), Ariccia (La), Albano Lago (La), Albano Laziale (La), Val di Varri (La).	Polylectic Univoltine / Bivoltine
	<b>Hylaeus angustatus angustatus (Schenck, 1859)</b> <b>Ssp. centroasiatico-europeo-anatolico-maghrebina</b> Pi, Li, V, VT, FVG, Em, To, Um, La, Abr, Mo, Cp, Cal, Pu, Si	I, II, III				Luserna San Giovanni (Pi), Roma (La), Prima Porta (La), Ariccia (La), Albano Lago (La), Albano Laziale (La), Val di Varri (La).	
15	<b>Hylaeus annulatus (Linnaeus, 1758)</b> <b>Sp. olartica</b> Pi, Lo, V, VT, To, La References: 49, 67, 68, 144, 159, 286, 289, 363, 457, 508, 575, C7, CK03	I, II, III	Low	13		Sauze d'Oulx (Pi).	
16	<b>Hylaeus communis Nylander, 1852,</b> <b>Sp. palearctica occidentale</b> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa References: 7, 19, 63, 67, 68, 152, 189, 193, 200, 202, 203, 206, 247, 363, 370, 386, 401, 416, 457, 575, 634, C7, CK03, S53, S16a, CK09, L1	I, II, III	Slightest	68		Entrèves (Ao), Torre Pellice (Pi), Villar Pellice (Pi), Luserna San Giovanni (x 4 loc.) (Pi), Angrogna, (x 2 loc.) (Pi), Mario, Monte (La), Albano Laziale (La), Ariccia (La), Varri, Val di (La), Camporotondo (Abr).	Polylectic Univoltine / Bivoltine
	<b>Hylaeus communis communis Nylander, 1852</b> <b>Ssp. ovest-palearctica</b> Ao, Pi, Li, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa	I, II, III				Entrèves (Ao), Torre Pellice (Pi), Villar Pellice (Pi), Luserna San Giovanni (x 4 loc.) (Pi), Angrogna, (x 2 loc.) (Pi), Mario, Monte (La), Albano Laziale (La), Ariccia (La), Varri, Val di (La), Camporotondo (Abr).	

	References: 67, 68, 152, 189, 193, 200, 202, 203, 206, 247, 363, 370, 386, 401, 416, 457, 575, 634					
17	<b>Hylaeus deceptorius (Benoist, 1959)</b> Ssp. <i>mediterranea</i> La, Sa References: 575, C7, CK03	I	Moderate	5	---	
18	<b>Hylaeus gracilicornis (Morawitz, 1867)</b> Sp. <i>palaearctica</i> VT, Cal, Sa References: 7, 19, 363, 601, CK03	I	Moderate	4	---	? Oligoleptic Univoltine
19	<b>Hylaeus leptocephalus (Morawitz, 1871)</b> (syn of <i>Hylaeus bisinuatus</i> Förster, 1871) Sp. <i>olartica</i> Pi, V, VT, FVG, Em, La, Cal References: 19, 67, 152, 189, 203, 205, 206, 363, 401, 575, 634, C7, CK03	I	Low	18	---	? Polylectic Univoltine / Bivoltine
20	<b>Hylaeus moricei (Friese, 1898)</b> Sp. <i>turanico-europeo-anatolico-nord-est-africana</i> Cp References: 596, CK03	I	Moderate	1	---	Polylectic Univoltine
	<i>Hylaeus moricei rhenanus</i> Warncke, 1986 Ssp. <i>centro-sud-europea</i> Cp References: 596	I			---	
21	<b>Hylaeus nigritus (Fabricius, 1798)</b> Sp. <i>centroasiatico-europeo-anatolico-maghrebina</i> Ao, Pi, Lo, VT, Em, To, Ma References: 19, 180, 205, 208, 238, 363, 386, 401, 457, CK03, S53, S91, CK09, L1	I, II, III	Low	14	---	Oligoleptic Univoltine
	<i>Hylaeus nigritus nigritus</i> (Fabricius, 1798) Ssp. <i>europeo-maghrebina</i> Pi, Lo, VT, Em, To, Ma	I, II, III			---	
22	<b>Hylaeus nivaliformis Dathe, 1977</b> Sp. <i>italico-ovest-balkanica</i> Pi, VT, FVG References: 19, 138, 238, CK03	III	Moderate	3	---	? Polylectic Univoltine
23	<b>Hylaeus nivalis (Morawitz, 1867)</b> Sp. <i>centro- e sud-europea</i> Ao, Pi, VT References: 19, 144, 238, 363, CK03	III, IV	Low	11	---	? Univoltine
24	<b>Hylaeus tyrolensis Förster, 1871</b> Sp. <i>sud-europeo-anatolico-maghrebina</i> Ao, VT, Em, Cp, Pu References: 19, 401, 575, CK03, S4, CK09	I	Moderate	8	---	Oligoleptic Univoltine
<b>Subgen. Koptogaster Alfken, 1912</b>						
25	<b>Hylaeus bifasciatus (Jurine, 1807)</b> Sp. <i>ovest- e est-europea</i> FVG, Em, To, La, Cp, Cal, Pu, Si, Sa References: 200, 202, 206, 225, 228, 363, 401, 575, 639, CK03, S16a, S76	I, II	Low	17	---	
26	<b>Hylaeus punctulatus Smith, 1842</b> Sp. <i>turanico-europeo-anatolico-maghrebina</i> Ao, Pi, Li, V, VT, FVG, To, Si References: 19, 68, 200, 202, 575, CK03, S53, S75b	I, II	Low	13	Valdieri (Pi).	Oligoleptic Univoltine
<b>Subgen. Lambdopsis Popov, 1939</b>						
27	<b>Hylaeus annularis (Kirby, 1802)</b> (SYN di <i>H. spilotus</i> Förster 1871, in Kuhlmann CK03) The correct name should be <i>H. dilatatus</i> (Kirby, 1802)	I, II, III	Slightest	35	Pietrastornina (Cp).	Polylectic Univoltine / Bivoltine

	<b>Sp. caucasico-europeo-anatolico-maghebina</b> Pi, Li, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Si References: 19, 31, 74, , 100, 152, 157, 159, 192, 201, 203, 204, 206, 238, 401, 416, 457, 575, 634, C7, C8, CK03, S38, S51 (syn) , S53, S16a					
	<i>Hylaeus annularis annularis</i> (Kirby, 1802) <b>Ssp. europeo-maghebina</b> Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Si	I, II, III			<i>Pietrastornina</i> (Cp).	
28	<b>Hylaeus crassanus</b> (Warncke, 1972) <b>Sp. sud-europea</b> Pi, To, Lo, V References: 19, 401, CK03, S16a, S76, CK12	I	Moderate	6	—	
29	<b>Hylaeus dilatatus</b> (Kirby, 1802) <b>Sp. europeo-maghebino-anatolica</b> Ao, Pi, Lo References: 31, 457, CK03, S51 (syn), CK09	I, II, III	Moderate	5	—	
30	<b>Hylaeus euryscapus</b> Förster, 1871 <b>Sp. europeo-maghebino-anatolica</b> (very uncertain nomenclature) Pi, Li, V, FVG, Em, La, Cp, Cal, Sa References: 7, 19, 63, 67, 152, 202, 363, 370, 575, CK03	I, II	Low	18	Mario, Monte- (La).	
	<i>Hylaeus euryscapus euryscapus</i> Förster, 1871 <b>Ssp. sud-europea</b> V, FVG, Em, La, Cp, Cal, Sa References: 202, 363, 575	I, II			<i>Mario, Monte- (La)</i>	
	<i>Hylaeus euryscapus spilotus</i> Förster, 1871 SYN: <i>H. spilotus</i> Förster 1871 = <i>H. annularis</i> (Kirby 1802) in Kuhlmann CK03 <b>Ssp. centro-ovest-europea</b> V, Li, Sa References: 19, 152, 363, 575, CK03, S51	I			—	
31	<b>Hylaeus pfankuchi</b> (Alfken, 1919) <b>Sp. sibirico-europea</b> Pi, VT References: 19, 238, CK03, CK12	Not assessed	Critic Last record: 1934	2	—	? Polylectic ? Univoltine
32	<b>Hylaeus scutellatus</b> (Spinola, 1838) <b>Sp. italico-balkanico-anatolico-nord-est-africana</b> Italy (Presence in Italy to be confirmed) References: CK03	Not assessed	Not assessed	1	—	
<b>Subgen. Mehelyana Sandhouse, 1943</b>						
33	<b>Hylaeus friesei</b> (Alfken, 1904) <b>Sp. italico-balkanica</b> Italy References: 271, CK03	Not assessed	Not assessed	1	—	
<b>Subgen. Nesoprosopis Perkins, 1899</b>						
34	<b>Hylaeus punctus</b> Förster, 1871 [Dentigera] <b>Sp. sud-est-europeo-anatolica</b> Pi, FVG, Em, To References: 19, 68, 206, 208, 601, CK03	I	Moderate	7	Luserna San Giovanni (Pi), Angrogna (Pi).	
<b>Subgen. Paraprosopis Popov, 1939</b>						
35	<b>Hylaeus clypearis</b> (Schenck, 1853) <b>Sp. europeo-mediterraneo-anatolica</b> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Mo, Cp, Bas, Cal, Pu, Si, Sa References: 19, 31, 63, 67, 68, 152, 189, 193, 200, 203, 204, 206, 208, 238, 293, 300, 363, 365, 401, 416, 575, 634, C7, CK03, S53, S16a, S76, CK09	I	Slightest	69	Angrogna (x 2 loc.) (Pi), Luserna San Giovanni (Pi), Montefiascone (La), Frascati (La), Albano Laziale (La), Ariccia (La), Monte Circeo La), San Felice Circeo (La).	Polylectic Univoltine
36	<b>Hylaeus diplonymus</b> (Schulz, 1906) (uncertain nomenclature)	I	Low	18	Angrogna (Pi), Luserna San Giovanni (Pi), Albano Laziale (La), Prima Porta (La).	

	<b>Sp. sud-europeo-maghrebino-macaronesica</b> Pi, V, Ma, Um, La, Cp, Cal, Si, Sa References: 63, 67, 152, 189, 363, 369, C7					
37	<b>Hylaeus gribodoi (Vachal, 1895)</b> Ssp. italico-sud-balcanico-est-mediterraneo-maghrebina Cal, Si, Sa References: 401, 575, CK03	I	High Last record: 1907	4	---	
38	<b>Hylaeus lineolatus (Schenck, 1859)</b> <b>Sp. turanico-europeo-anatolico-maghrebina</b> Ao, V, FVG, Em, To, La, Mo, Pu References: 19, 63, 152, 201, 202, 203, 363, 416, 507, CK03, S16a, S76, S90a, CK09, S75b	I, II	Low	21	Varri, Val di (La).	Polyleptic Bivoltine
39	<b>Hylaeus pictipes Nylander, 1852</b> Sp. europea Pi, Li, V, VT, FVG, Em, La, Cp, Cal, Si, Sa References: 7, 19, 46, 67, 68, 180, 192, 205, 208, 363, 401, 575, 634, CK03	I, II	Low	27	Luserna San Giovanni (Pi), Angrogna (Pi), Lido di Venezia (V).	Polyleptic Univoltine
	<i>Hylaeus pictipes pictipes</i> Nylander, 1852 Ssp. europea Pi, Li, V, VT, FVG, Em, La, Cp, Cal, Si, Sa	I, II			Luserna San Giovanni (Pi), Angrogna (Pi), Lido di Venezia (V).	
40	<b>Hylaeus sinuatus (Schenck, 1853)</b> <b>Sp. sibirico-europeo-anatolico-maghrebina</b> Pi, Lo, V, VT, FVG, Em, La, Cp, Cal, Si, Sa References: 19, 31, 46, 63, 67, 68, 152, 192, 201, 203, 204, 205, 247, 363, 401, 416, 575, 601, CK03, S53	I, II	Low	24	Angrogna (Pi), Luserna San Giovanni (Pi), San Benedetto Belbo (Pi), Varri, Val di (La).	Polyleptic Univoltine
	<i>Hylaeus sinuatus sinuatus</i> (Schenck, 1853) Ssp. europeo-anatolico-maghrebina Pi, Lo, V, FVG, Em, La, Si References: 67, 192, 201, 203, 204, 205, 363	I, II			Angrogna (Pi), Luserna San Giovanni (Pi), San Benedetto Belbo (Pi), Varri, Val di (La).	
41	<b>Hylaeus soror (Pérez, 1903)</b> <b>Sp. turanico-europeo-maghrebino-est-mediterranea</b> Pi, Em, To, Abr, Cal, Si, Sa References: 7, 19, 68, 193, 204, 206, 208, 363, CK03	I	Low	15	Angrogna (Pi), Villastellone (Pi).	
42	<b>Hylaeus styriacus Förster, 1871</b> <b>Sp. turanico-europeo-anatolica</b> Ao, Pi, V, VT, To References: 19, 68, 189, 247, 363, 457, CK03, S53, CK09	I, II	Low	13	Angrogna (Pi), Luserna San Giovanni (Pi).	Polyleptic Univoltine
43	<b>Hylaeus taeniolatus Förster, 1871</b> Sp. centro-sud-europeo-mediterranea Um, La, Si References: 161, 365, 416, CK03	I	Low	6	Albano Laziale (La).	
<b>Subgen. Patagiata Blüthgen, 1949</b>						
44	<b>Hylaeus difformis (Eversmann, 1852)</b> [Hylaeus] <b>Sp. asiatico-europeo-maghrebina</b> Pi, VT, Cp References: 247, 363, 575, CK03, S53	II	Moderate	3	---	Polyleptic Univoltine
	<i>Hylaeus difformis difformis</i> (Eversmann, 1852) [Hylaeus] Ssp. europea Pi, VT, Cp	II			---	
<b>Subgen Prosopis Fabricius, 1804</b>						
45	<b>Hylaeus absolutus (Gribodo, 1894)</b> <b>Sp. caucasico-europeo-maghrebina</b> Si References: 363, CK03	I	Moderate	1	---	
46	<b>Hylaeus confusus Nylander, 1852</b> <b>Sp. asiatico-europeo-anatolica</b> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa References: 19, 46, 63, 67, 68, 152, 180, 192, 201, 202, 204, 205, 213, 238, 247, 370, 386, 401, 416, 575, CK03, S30, S16a, S76, CK09,	I, II, III	Slightest	63	Entrèves (Ao), Luserna San Giovanni (x 2 loc.) (Pi), Angrogna (Pi), Mario, Monte- (La), Albano Laziale (La), Albano, Iago- (La), Varri, Val di (La).	Polyleptic Bivoltine

	L1					
47	<b>Hylaeus coriaceus (Pérez, 1895)</b> <b>Sp. sud-europeo-mediterranea</b> Em, To References: 203, 300, CK03	I	Critic Last record: 1934	2	—	
48	<b>Hylaeus duckei (Alfken, 1904)</b> <b>Sp. europeo-anatolica</b> Pi, V, FVG, Um, La, Abr References: 2, 19, 68, 189, 363, 401, 416, CK03, S53	I	Low	11	Luserna San Giovanni (Pi), Angrogna (Pi).	Polylectic Univoltine
49	<b>Hylaeus gibbus Saunders, 1850</b> <b>Sp. turanico-europeo-nordaficana</b> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Cp, Pu, Si, Sa References: 19, 46, 63, 67, 68, 152, 180, 189, 204, 205, 206, 208, 238, 293, 300, 363, 370, 386, 416, 634, C12, CK03, S53, S16a, S16a, CK09, L1	I, II, III	Slightest	59	Angrogna (Pi), Firenze (To), Mario, Monte- (La), Prima Porta (La), Acilia (La), Ariccia (x 2 loc.) (La), Albano Laziale (La), Varri, Val di (La), Ceraso, Capo- (Sa), Vulcano, I. (Si).	Polylectic Bivoltine
	<i>Hylaeus gibbus gibbus</i> Saunders, 1850 Ssp. europea Pi, Li, V, VT, FVG, Em, To, Ma, La, Abr, Cp, Pu, Si, Sa	I, II, III			Angrogna (Pi), Firenze (To), Mario, Monte- (La), Prima Porta (La), Acilia (La), Ariccia (x 2 loc.) (La), Albano Laziale (La), Varri, Val di (La), Ceraso, Capo- (Sa), Vulcano, I. (Si).	
50	<b>Hylaeus incongruus Förster, 1871</b> (subsp of <i>Hylaeus gibbus</i> Saunders, 1850 ?) <b>Sp. centroeuropeo-balcanica</b> Ao, Italia, Norditalia References: CK03, S52, CK09	?	Not assessed	3	—	
51	<b>Hylaeus meridionalis Förster, 1871</b> <b>Sp. centro-asiatico-nord-europeo-mediterranea</b> Em, To, La References: 206, 363, CK03	I	Moderate	4	Paola, Torre- (La).	? Polylectic Univoltine / Bivoltine
52	<b>Hylaeus pectoralis Förster, 1871</b> [Nesoprosopis] <b>Sp. asiatico-europeo-anatolica</b> V, FVG References: 363, CK03	I	Moderate	2	—	Polylectic Univoltine
53	<b>Hylaeus pictus (Smith, 1853)</b> <b>Sp. caucasico-mediterranea</b> Pi, Li, FVG, Um, Mo, Si References: 19, 100, 363, 416, 575, CK03, L1	I	Low	10	Bossolasco (Pi).	?Univoltine
54	<b>Hylaeus praenotatus (Foerster, 1871)</b> (uncertain taxonomic status) <b>Sp. sud-ovest-europeo-maghrebina</b> Si References: 397, CK03	Not assessed	Not assessed	1	—	
55	<b>Hylaeus signatus (Panzer, 1798)</b> <b>Sp. centroasiatico-europeo-maghrebina</b> Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Cp, Cal, Sa References: 7, 19, 67, 68, 74, 109, 152, 200, 202, 206, 225, 247, 363, 386, 416, 457, 575, 639, C8, CK03, S4, S53, S90, L1	I, II	Low	37	Angrogna (Pi), San Benedetto Belbo (Pi), Granaiola (To).	Closely oligoleptic Univoltine / Bivoltine
	<i>Hylaeus signatus berlandi</i> Benoist, 1943 <b>Ssp. italico-caucasico-maghrebina</b> Li, Em References: 575	Not assessed			—	
	<i>Hylaeus signatus signatus</i> (Panzer, 1798) Ssp. sud-europea V, VT, Em, Ma References: 152	I, II			—	
56	<b>Hylaeus trinotatus (Pérez, 1895)</b> <b>Sp. centro-sud-europeo-anatolico-est-mediterranea</b> Pi, FVG, Cal, Si, Sa References: 19, 416, 575, 601, CK03	I	Low	6	—	Closely oligoleptic Univoltine / Bivoltine
57	<b>Hylaeus variegatus (Fabricius, 1798)</b>	I, II	Slightest	108	Angrogna (Pi), Luserna San Giovanni (x 2 loc.) (Pi), Villar Pellice (Pi), Montefiascone (La), Varri, Val di (La), Sacrofano (La), Mario, Monte- (x 2 loc.) (La),	Polylectic Bivoltine /

	<p><b>Sp. paleartica</b> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa References: 7, 19, 54, , 63, 67, 68, 152, 180, 193, 201, 202, 203, 204, 205, 206, 221, 225, 228, 238, 293, 363, 370, 416, 425, 446, 507, 508, 575, 634, 639, C8, C13, CK03, S4, S16a, S76, CK09, L1, S75b</p>				Roma (La), Acilia (La). San Felice Circeo (La).	Univoltine
	<p><i>Hylaeus variegatus analis</i> (Fabricius, 1804) <b>Ssp. caucasico-europeo-est-mediterranea</b> Em, Bas References: 203, 363</p>	I			—	
	<p><i>Hylaeus variegatus variegatus</i> (Fabricius, 1798) <b>Ssp. caucasica-europeo-est-mediterranea</b> Pi, Li, V, FVG, Em, To, Ma, La, Bas, Cal, Si, Sa References: 152, 201, 202, 363, 425, 575</p>	I, II			Angrogna (Pi), Luserna San Giovanni (x 2 loc.) (Pi), Villar Pellice (Pi), San Felice Circeo (La).	
<b>Subgen. Spatulariella Popov, 1939</b>						
58	<p><i>Hylaeus alpinus</i> (Morawitz, 1867) <b>Sp. centro-sud-europeo-anatolica</b> Ao, Pi, Lo, V, VT, FVG, Em References: 152, 180, 363, 457, CK03, CK09, L1</p>	II, III	Low	11	—	? Polylectic Univoltine
59	<p><i>Hylaeus hyalinatus</i> Smith, 1842 (syn: <i>H. decipiens</i> Foerster 1871) <b>Sp. olartica</b> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, La, Abr, Cp, Cal, Sa References: 7, 19, 31, 63, 67, 68, 74, 95, 96, 152, 192, 201, 203, 205, 208, 227, 247, 289, 345, 363, 365, 394, 395, 416, 457, 503, 575, 601, CK03, S14 (sub <i>decipiens</i> Foerst. as a valid sp) , S53, CK09</p>	I, II, III	Slightest	47	Entrèves (Ao), Angrogna (Pi), San Benedetto Belbo (Pi), Finale Ligure (Li), Varri, Val di (La), Gibilmanna, Santuario di- (Si)	Polylectic Bivoltine / Univoltine
	<p><i>Hylaeus hyalinatus helenae</i> (Pittioni, 1950) <b>Ssp. sud-est-europeo-anatolica</b> Pi, FVG References: 19, 363</p>	I	last record: 1900		—	
	<p><i>Hylaeus hyalinatus hyalinatus</i> Smith, 1842 <b>Ssp. caucasico-europea</b> Ao, Pi, Li, Lo, V, VT, FVG, To, Cp, Abr, Cal, Sa References: 152, 201, 289, 363</p>	I, II			—	
	<p><i>Hylaeus hyalinatus montebovensis</i> (Pittioni, 1950) <b>Ssp. alpino-appenninica</b> Pi, La, Abr References: 63, 68, 96</p>	I, II			Angrogna (Pi), San Benedetto Belbo (Pi), Varri, Val di (La).	
	<p><i>Hylaeus hyalinatus subhyalinatus</i> (Pittioni, 1950) <b>Ssp. sardo-corsa</b> Sa (see table endemic species/subspecies) References: 152, 363</p>	I			—	
60	<p><i>Hylaeus hyperpunctatus</i> Strand, 1921 <b>Sp. sud-ovest-europea</b> Si References: 95, 105, 345, 363, 365, 394, 395, 503, 575, 601, CK03</p>	I	Low	15	Gibilmanna, Santuario di- (Si).	
61	<p><i>Hylaeus moniae</i> Nobile &amp; Tomarchio, 1997 <b>Sp. sicula</b> Si (see table endemic species/subspecies) References: 345</p>	I	Moderate	2	—	
62	<p><i>Hylaeus punctatus</i> (Brullé, 1832) <b>Sp. olartica</b> Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Mo, Cp, Bas, Cal, Pu, Si, Sa References: 19, 46, 63, 67, 68, 152, 180, 183, 189, 192, 193, 201, 202, 203, 206, 208, 293, 345, 363, 365, 366, 384, 394, 395, 416, 435,</p>	I, II, III	Slightest	106	Val d'Angrogna (Pi), Angrogna (Pi), Villar Pellice (Pi), Luserna San Giovanni (Pi), Montefiascone (La), Varri, Val di (La), Frascati (La), Mario, Monte- (La), Roma (La), Albano Laziale (x 2 loc.) (La), Ariccia (x 2 loc.) (La), San Felice Circeo (La), Monte Circeo (La).	Polylectic Univoltine

575, 634, CK03, S16a, L1					
<i>Hylaeus punctatus punctatus</i> (Brullé, 1832) Ssp. centro-sud-europea Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Mo, Cp, Bas, Cal, Pu, Si, Sa	I, II, III				Val d'Angrogna (Pi), Angrogna (Pi), Villar Pellice (Pi), Luserna San Giovanni (Pi), Montefiascone (La), Varri, Val di (La), Frascati (La), Mario, Monte- (La), Roma (La), Albano Laziale (x 2 loc.) (La), Ariccia (x 2 loc.) (La), San Felice Circeo (La), Monte Circeo (La).

Taxon	Distribution	Distribution of the records in Italian regions	References	Altitude (Italy) I = 0-800 II = 800-1600 III = 1600-2100 IV = > 2100	Risk of extinction	No. of sites	Comba Collection (place, region)	Cleptoparasitism	Floral preferences	Number of annual generations
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### Gen. *Colletes* Latreille, 1802

1	<b>Colletes abeillei Pérez, 1903</b> Sp. sud-ovest-europeo-maghrebina Cal, Si References: 401, 585, CK03, S33 (syn)	I	Moderate	3	---					
2	<b>Colletes acutiformis Noskiewicz, 1936</b> Sp. lusitanico-italico-nord-africana Italy References: 271, CK03, S33 (syn), CK12	Not assessed	Not assessed	1	---					
3	<b>Colletes acutus Pérez, 1903</b> Sp. ovest-mediterranea Si, Sa References: 7, 363, CK03, S33 (syn)	I, II	Moderate	2	---					
4	<b>Colletes albomaculatus (Lucas, 1849)</b> Sp. centroasiatico-europeo-anatolico-maghrebina Ao, Lo, FVG, Mo, Cal, Si References: 193, 201, 202, 321, 401, 416, CK03, S33 (syn), CK12, L1, S75b	I	Low	8	---			? Polylectic	Univoltine	
(5)	<b>Colletes alpinus Morawitz, 1872</b> (Questionable species) = <i>C. floralis</i> Eversmann, 1852 in Kuhlmann CK03; Not syn of <i>Colletes impunctatus</i> Nyl. 1872 Sp. alpina orientale VT References: 413, CK03, CK06, S33 (syn)	Not assessed	High Last record: 1907	1	---					
6	<b>Colletes brevigena Noskiewicz, 1936</b> Sp. turanico-europeo-anatolica La References: CK03, S33 (syn)	I	Moderate	2	Acilia (La), Albano Laziale (La).					
7	<b>Colletes canescens Smith, 1853</b> Sp. ovest-mediterraneo-macaronesica Pi, Em, To References: 68, 203, 204, CK03, S33 (syn)	I	Low	4	Angrogna (Pi).					
8	<b>Colletes carinatus Radoszkowski, 1891</b> Sp. turanico-sud-europeo-anatolica Li, Lo, Em References: 208, 401, 585, CK03, S33 (syn)	I	Low	4	---			Oligoleptic	Univoltine	
	<b>Colletes carinatus carinatus Radoszkowski, 1891</b> Ssp. turanico-europea Li, Lo, Em	I			---					
9	<b>Colletes collaris Dours, 1872</b> Sp. asiatico-europea VT, Si References: 487, CK03, S33 (syn), S82, CK12	Not assessed	High	3	---			? <i>Epeolus tarsalis praeustus</i>	Oligoleptic	
10	<b>Colletes cunicularius (Linnaeus, 1761)</b> Sp. asiatico-europea	I	Low	20	Mario, Monte- (La).			<i>Sphecodes albilabris</i> , ? <i>Sphecodes gibbus</i>		



	Pi, Li, Lo, V, VT, FVG, To, La, Abr, Mo, Pu References: 31, 178, 201, 202, 239, 289, 363, 416, 585, C8, CK03, S6, S33 (syn), L1, S75b					?Closely oligoleptic Univoltine
	<i>Colletes cunicularius cunicularius</i> (Linnaeus, 1761) <b>Ssp. asiatico-europea</b> La, Abr, Pu References: 585	I			—	
	<i>Colletes cunicularius infuscatus</i> Noskiewicz, 1936 <b>Ssp. sud-ovest-europea</b> Li References: 585	I			—	
11	<i>Colletes daviesanus</i> Smith, 1846 <b>Sp. asiatico-europea</b> Pi, VT, FVG, Em, To, Ma, Um, La, Si References: 19, 46, 50, 202, 203, 205, 239, 293, 353, 386, 416, 585, C8, CK03, S5, S33 (syn) , S90	I, II, III	Low	16	Angrogna (Pi).	Epeolus variegatus, Nomada furva Broadly oligoleptic Univoltine
	<i>Colletes daviesanus daviesanus</i> Smith, 1846 <b>Ssp. asiatico-europea</b> Pi, VT, FVG, Em, To, Ma, Um, La References: 202, 203, 205, 239, 293, 386, 416	I, II, III			Angrogna (Pi).	
	<i>Colletes daviesanus siculus</i> Noskiewicz, 1959 <b>Ssp. sicula</b> Si (see table endemic species/subspecies) References: 353, 585	(I), (II), III, (IV ?)			—	
12	<i>Colletes dimidiatus</i> Brullé, 1840 <b>Sp. turanico-europeo-mediterraneo?-macaronesica</b> Li, Em, To, Cp, Pu, Si, Sa (very confusing nomenclature situation) References: 585, CK03, S33 (syn)	I	Low	15	Mazara del Vallo (Si), Ceraso, Capo- (Sa), Teulada (Sa).	
	<i>Colletes dimidiatus tyrrhenicus</i> Warncke, 1978 <b>Ssp. tirrenica</b> Sa References: 585	I			Ceraso, Capo- (Sa), Teulada (Sa).	
	<i>Colletes dimidiatus siciliensis</i> Noskiewicz, 1959 <b>Ssp. appennino-sicula</b> Li, Em, To, Cp, Pu, Si References: 585	I			Mazara del Vallo (Si).	
13	<i>Colletes eous</i> Morice, 1904 <b>Sp. centroasiatico-europeo-anatolico-maghrebina</b> La References: 63, CK03, S33 (syn)	I	Moderate	2	Roma (La), Mario, Monte- (La).	
14	<i>Colletes floralis</i> Eversmann, 1852 <b>Sp. palearctica</b> Ao, Pi, Li, VT, La References: 19, 204, 205, C8, CK03, S33 (syn), S83, CK12, CK09	(II), III	Low	9	—	Epeolus variegatus Polyleptic Univoltine
	<i>Colletes floralis floralis</i> Eversmann, 1852 <b>Ssp. caucasico-anatolico-europea</b> Ao, Pi, Li, VT, La	(II), III			—	
15	<i>Colletes fodiens</i> (Geoffroy, 1765) <b>Sp. asiatico-europea</b> Pi, Li, Lo, V, VT, FVG, Em, La References: 19, 63, 67, 68, 180, 189, 200, 203, 239, 286, 363, 401, CK03, S5, S33 (syn) , S53, CK12, L1	I, II	Low	15	Angrogna (Pi), Varri, Val di (La), Sabaudia (La).	Epeolus variegatus, E. cruciger, Nomada rufipes, N. Furva Oligoleptic Univoltine
	<i>Colletes fodiens fodiens</i> (Geoffroy, 1765) <b>Ssp. europea</b> Pi, Li, Lo, V, VT, FVG, Em, La	I, II			Angrogna (Pi), Varri, Val di (La), Sabaudia (La).	
16	<i>Colletes foveolaris</i> Pérez, 1903 <b>Sp. mediterranea</b> Pi, Li, To, Pu, Si, Southern Italy References: 321, CK03, S33 (syn) , CK12, L5	Not assessed	High Last record: 1907	1	—	
17	<i>Colletes gallicus</i> Radoszkowski, 1891 <b>Sp. sud-ovest-europeo-maghrebina</b> Lo, V, VT, Ma, Pu, Si, Italy References: 271, CK03, S33 (syn), L5	Not assessed	Not assessed	1	—	

18	<b>Colletes graeffei</b> Alfken, 1900 <u>Sp. caucasico-sud-est-europea</u> Lo References: 271, CK03, S5, S33 (syn), S71a, CK12, L5, L1	Not assessed	Not assessed	2	—	Epeolus schummeli  Oligoleptic  Univoltine
19	<b>Colletes hederæ</b> Schmidt & Westrich, 1993 <u>Sp. centro- e sud-europea</u> Lo, VT, FVG References: 19, 239, CK03, S15, S33 (syn), S89, L1	I	Moderate	3	—	Epeolus cruciger  Monoleptic/ ?polylectic  Univoltine
20	<b>Colletes hylaeiformis</b> Eversmann, 1852 <u>Sp. centro-asiatico-europea</u> Ao, VT, FVG, La References: 67, 201, 239, 364, CK03, S33 (syn), CK09	I	Low	7	—	Triepeolus tristis  Oligoleptic  Univoltine
	<i>Colletes hylaeiformis hylaeiformis</i> Eversmann, 1852 <u>Ssp. centroasiatico-europea</u> VT, FVG, La	I			—	
21	<b>Colletes impunctatus</b> Nylander, 1852 <u>Sp. asiatico-centro-nord-europea</u> Ao, Pi, VT References: 147, CK03, S33 (syn), CK09, L1	III, IV	Not assessed	5	—	Epeolus alpinus  ?Oligoleptic  Univoltine
22	<b>Colletes lacunatus</b> Dours, 1872 <u>Sp. centro-asiatico-nord-africana</u> FVG, ? VT (presence in Italy to be confirmed) References: 202, CK03, S33 (syn)	Not assessed	High Last record: 1907	1	—	
23	<b>Colletes maidli</b> (Noskiewicz, 1936) <u>Sp. turanico-centro-sud-europeo-est-mediterranea</u> V, FVG, Em, La, Abr, Bas, Cal, Pu, Si, Sa References: 7, 19, 63, 151, 204, 208, 363, 401, 416, 585, CK03, S33 (syn)	I, II, III	Low	22	Sabaudia (La), Marina di Vasto (Abr), Policoro (Bas).	
24	<b>Colletes marginatus</b> Smith, 1846 <u>Sp. asiatico-europeo-anatolica</u> V, VT, FVG, Em, Um, La, Sa References: 19, 63, 151, 189, 200, 202, 208, 239, 416, CK03, S33 (syn), S53	I, II	Low	15	Tezio, Monte- (Um), Varri, Val di (La), Albano Laziale (La), Sabaudia (La).	? E. cruciger, ? E. variegatus  Oligoleptic/ polylectic  Univoltine
	<i>Colletes marginatus marginatus</i> Smith, 1846 <u>Ssp. europea</u> V, VT, FVG, Em, Um, La, Sa	I, II			Tezio, Monte- (Um), Varri, Val di (La), Albano Laziale (La), Sabaudia (La).	
25	<b>Colletes mlokoszewiczi</b> Radoszk., 1891 <u>Sp. centro-asiatico-europeo-anatolica</u> Ao, Pi, Em, To, La, Cal, Si References: 63, 204, 370, 380, 401, 634, CK03, S33 (syn), S16a, CK09	I, II	Low	13	Varri, Val di (La), Canale Monterano (La), Maccaresè (La), Mario, Monte- (La), Roma (La).	
26	<b>Colletes nigricans</b> Gistel, 1857 <u>Sp. sud-europeo-maghebina</u> Ao, Pi, Lo, Li, V, FVG, Em, La, Bas, Si References: 19, 68, 151, 208, 352, 363, 365, 585, C8, CK03, S33 (syn), S53, L1, S75b	I	Low	25	Angrogna (Pi), San Leone (Si), Ponente, Capo- (Si).	Oligoleptic/ polylectic  Univoltine
27	<b>Colletes senilis</b> (Eversmann, 1852) <u>Sp. centro-asiatico-sud- e est-europeo-anatolica</u> Pu, Italy References: 271, CK03, S33 (syn), L5	Not assessed	Not assessed	1	—	
28	<b>Colletes similis</b> Schenck, 1853 <u>Sp. paleartica</u> Pi, Lo, V, VT, FVG, Em, To, Ma, Um, La, Cp, Pu, Si, Sa References: 7, 19, 63, 68, 180, 183, 202, 203, 204, 205, 206, 239, 293, 363, 394, 401, 433, 434, 457, CK03, S5, S33 (syn), L1	I, II	Low	31	Angrogna (Pi), Luserna San Giovanni (Pi), Varri, Val di (La), Mario, Monte- (La), Albano Laziale (La), Velletri (La), Isola di Caprera (Sa).	Epeolus variegatus  Oligoleptic  Univoltine
29	<b>Colletes succinctus</b> (Linnaeus, 1758) <u>Sp. paleartica</u> Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Cp, Cal, Si, Sa References: 8, 19, 50, 63, 67, 68, 100, 108, 183, 190, 193, 200, 201, 203, 205, 218, 239, 293, 363, 401, 416, 635, 639, CK03, S15, S33 (syn), S16a, S76, S91, CK12, L5, L1	I	Low	38	Angrogna (x 2 loc.) (Pi), Villar Pellice (Pi), Luserna San Giovanni (Pi), Rorà (Pi), Castel Rigone (Um), Roma (La), Albano Laziale (La), Ariccia (La).	Epeolus cruciger, E. fallax, Triepeolus tristis  Oligoleptic  Univoltine

	<p><b><i>Colletes succinctus succinctus</i> (Linnaeus, 1758)</b>  <b>Ssp. Palearctica</b>  Pi, Li, V, VT, FVG, Em, To, Um, La, Cp, Cal, Si, Sa</p>	I			<p><b><i>Angrogna (x 2 loc.) (Pi), Villar Pellice (Pi), Luserna San Giovanni (Pi), Rorà (Pi), Castel Rigone (Um), Roma (La), Albano Laziale (La), Ariccia (La).</i></b></p>	
30	<p><b><i>Colletes tuberculatus</i> Morawitz, 1894</b>  (Rank elevation from <i>C. daviesanus tuberculatus</i>)  <b>Ssp. centroasiatico-europea</b>  Si  References: 585, CK03, CK12, S33 (syn)</p>	I	Low	2	—	
31	<p><b><i>Colletes wolffi</i> Kuhlmann, 1999</b>  <b>Ssp. italica</b>  Mainland Italy (Pi, Li, Um, Abr)  (see table endemic species/subspecies)  References: 326, CK03, S31, S32, S33 (syn) , CK12</p>	Not assessed	High	5	—	